MATERIAL SAFETY DATA SHEET

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: Gel Paste
Product Numbers: 100695 and 100668A
Product Use: Polyester Repair Paste

Company

Fibre Glass-Evercoat
a Division of Illinois Tool Works Inc.
6600 Cornell Road
Cincinnati, Ohio USA
Phone: 513-489-7600

Emergency Telephone Numbers:

CHEMTREC: 1-800-424-9300
CANUTEC: 1-613-996-6666

Prepared By: Safety Department

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	EINECS Number	% (by weight)
Polyester Resin	Proprietary	Proprietary	55 – 60
Styrene	100-42-5	202-851-5	35 – 40
Amorphous Silica	112945-52-5	231-545-4	1 – 5

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

SECTION 3. HAZARDS IDENTIFICATION

*****EMERGENCY OVERVIEW*****

WARNING! FLAMMABLE LIQUID AND VAPOR.
CAUSES EYE, SKIN, NOSE AND THROAT IRRITATION.

Potential Health Effects

Acute Effects (Short Term):

Eye: Contact with liquid or vapor may result in irritation, redness, tearing, and blurred vision.

Skin: May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns.

Swallowing: Ingestion of this material may cause gastrointestinal irritation, nausea, diarrhea, and vomiting. Aspiration of this material into the

lungs due to vomiting may produce chemical pneumonitis which can be fatal.

Inhalation: Excessive inhalation of vapors may cause nasal and respiratory irritation, acute nervous system depression, fatigue, weakness, nausea, headache, and dizziness. Symptoms usually occur at air concentrations higher than the recommended exposure limits (See Section 8).

Chronic Effects of Overexposure (Long Term):

Styrene: Excessive overexposure to styrene has been found to cause the following effects in humans and may aggravate pre-existing disorders of these organs; central nervous system effects, effects on hearing, mild effects on color vision and respiratory tract damage.

Cancer Information: The International Agency for Research on Cancer (IARC) has classified styrene as a group 2B carcinogen (possibly carcinogenic to humans). This classification is not based on evidence that styrene may be carcinogenic, but rather on a revised definition for Group 2B, and consideration of new data on styrene oxide(Group 2A). This material may contain trace amounts of chemicals considered to be carcinogenic by OSHA, (Benzene, IARC-Group 1).

Other Health Effects: NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Primary Route(s) of Entry: Inhalation, Skin contact, Eye contact, Ingestion, Skin absorption.

SECTION 4. FIRST AID MEASURES

Eyes: Flush eyes gently with water for at least 15 minutes. Seek immediate medical attention.

Skin: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Swallowing: Consult a physician or poison control center immediately. DO NOT INDUCE VOMITING. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. If possible, do not leave individual unattended.

Inhalation: If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, oxygen may be benificial if administered by trained personnel.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point: 88 ºF (31.1 ºC)
Explosive Limit: **Lower:** 1.1% **Upper:** 6.1%
Autoignition Temperature: 914.0 ºF (490.0 ºC)
OSHA Flammability Class: Flammable Liquid – Class IC

Hazardous Products of Combustion: May form toxic and corrosive gases: carbon dioxide, carbon monoxide, styrene oxide and various hydrocarbons.

Fire and Explosion Hazards: Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point.

Extinguishing Media: Regular foam, carbon dioxide, dry chemical.

Fire Fighting Instructions: Water may be used to keep fire-exposed containers cool until fire is out. Wear a self-contained breathing apparatus NIOSH approved with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

NFPA Rating: Health - 2, Flammability - 3, Reactivity - 2

SECTION 6. ACCIDENTAL RELEASE MEASURES

In Case of Spill: Eliminate all sources of ignition such as flares, flames (including pilot lights), and electrical sparks. Ventilate the area. Wear proper protective equipment (Section 8). Avoid breathing vapors. Collect with an inert absorbant and dispose of properly.

SECTION 7. HANDLING AND STORAGE

Handling: All hazard precautions given in the data sheet must be observed. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use only with adequate ventilation. Do not breathe sanding dust, vapors or spray mist. Do not take internally. Close container after each use. **Keep out of reach of children.**

Storage: Store material in a cool, well-ventilated area. For maximum product quality, avoid prolonged storage at temperatures above 75?F (25?C). Do not use or store near heat, sparks, or open flame. Keep container tightly closed. Avoid contact with incompatible materials.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Chemical splash goggles in compliance with OSHA regulations are recommended.

Skin Protection: Protective gloves and proper clothing should be worn to prevent skin contact. Gloves should be made of neoprene or natural rubber. A barrier cream may be used for additional skin protection. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Respiratory Protection: Use a NIOSH approved respirator designed to remove particulate matter and organic solvent vapors.

Engineering Controls: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below acceptable limits. Explosion-proof ventilation system is acceptable.

Exposure Guidelines:

Hazardous Ingredients	CAS Number	OSHA PEL/TWA	ACGIH TLV
Amorphous Silica	112945-52-5	15 mg/m^3	10 mg/m^3
Styrene	100-42-5	100 ppm	20 ppm

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	293 ?F/ 145 ?C	**Vapor Density:**	Heavier than air.
Specific Gravity / Density:	1.10 / 9.2 lbs/gal	**Percent Volatiles by weight:**	35 - 40 %
Evaporation Rate:	Slower than ethyl ether.	**Physical State:**	Paste
Melting Point:	-23.1?F/ -30.6?C	**pH:**	Neutral
Odor:	Sharp, aromatic odor.	**Solubility:**	Insoluble in water.

Vapor Pressure:	5.0 mmHg @ 68 ?F / 20 ?C (Styrene)	**Appearance:**	Pink Paste
Octanol/Water Partition	Unknown	**VOC (material):**	3.42 lbs/gal

SECTION 10. STABILITY AND REACTIVITY

Hazardous Polymerization: Product may undergo hazardous polymerization if exposed to extreme heat.
Hazardous Decomposition: May form: carbon dioxide, carbon monoxide, styrene oxide and various hydrocarbons.
Chemical Stability: Stable under normal handling conditions.
Incompatibility: Avoid contact in uncontrolled conditions with: oxygen, peroxides, strong acids and strong oxidizing agents.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity Data:

Ingredient	CAS #	LD_{50} Oral-Rat	LC_{50} Inhalation-Rat
Styrene	100-42-5	5,000 mg/kg	24 g/m^3/4H
Amorphous Silica	112945-52-5	3,160 mg/kg	N/E

Carcinogenicity: See Cancer Information, Section 3.
Mutagenicity: No significant evidence found.
Teratogenicity: No significant risk of birth defects or reproductive toxicity of styrene to humans.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: Styrene is toxic to aquatic organisms and should not be released to sewage, draining systems or any body of water exceeding concentrations of approved limits under applicable regulations and permits.

SECTION 13. DISPOSAL CONSIDERATION

RCRA Hazardous Waste: This material as supplied, if discarded, would be regulated as a hazardous waste under RCRA (40 CFR 261). Dispose of in accordance with applicable federal, state, and local regulations.

RCRA Hazard Class: This material would be regulated as EPA Hazardous Waste Number D001 based on the characteristic of ignitablity.

SECTION 14. TRANSPORT INFORMATION

DOT Description: The DOT Classification for shipping is dependant on quantity, type of packaging (a kit may include other components), or method of shipment.

SECTION 15. REGULATORY INFORMATION

US Federal Regulations

TSCA (Toxic Substances Control Act) Status

TSCA (USA) The intentional ingredients of this product are listed.

CERCLA RQ - 40 CFR 302.4(a)

Component	RQ (lbs.)
Styrene	1000

SARA Title III: Section 302- Extremely Hazardous Substances
None

SARA Title III: Section 313- Toxic Chemical List

Component	CAS Number	Percentage
Styrene	100-42-5	35 - 40 %

International Regulations

EINECS (Europe) The intentional ingredients of this product are listed.

DSL (Canada) The intentional ingredients of this product are listed.

WHMIS Classification

Health Hazard: D2A, D2B (Other Toxic Effects)

Physical Hazard: B2 (Flammable)

State and Local Regulations

California Proposition 65:

This product contains the following chemical(s) known to the state of California to cause cancer. BENZENE, STYRENE OXIDE
Styrene, in the presence of air and high temperature or prolonged exposure of styrene/air mixture to sunlight, can react to form styrene oxide.
This product contains the following chemical(s) known to the state of California to cause birth defects or reproductive harm. BENZENE

SECTION 16. OTHER INFORMATION

HMIS Rating: Health – 2*, Flammability - 3, Reactivity - 2
Key- 0=Least, 1=Slight, 2=Moderate, 3=Serious, 4=Extreme, *=Chronic Effects

Other Precautions for Use: This product must be mixed with Liquid Hardener (MEKP) prior to use. Please refer to the Material Safety Data Sheet (#100602) for catalyst before using.

Additional Information may be obtained by calling the Evercoat MSDS Hotline at 1-800-729-7600.

NOTICE: The information accumulated herein is believed to be correct as of the date issued from sources, which are believed to be accurate and reliable. Since it is not possible to anticipate all circumstances of use, recipients are advised to confirm, in advance of need, that the information is current, applicable and suitable to their circumstances.

MATERIAL SAFETY DATA SHEET

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: Kit Liquid Hardener
Product Numbers: 100370B, 100637B, 100668C and 108000B
Product Use: Polymerization initiator

Company

Fibre Glass-Evercoat
a Division of Illinois Tool Works Inc.
6600 Cornell Road
Cincinnati, Ohio USA
Phone: 513-489-7600

Packaged By:
Rocket Plastics Co.
P.O. Box 429514
Montgomery, Ohio USA 45242

Emergency Telephone Numbers:

CHEMTREC: 1-800-424-9300
CANUTEC: 1-613-996-6666

Prepared By: Safety Department

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	EINECS Number	% (by weight)
Propanoic acid, ester	6846-50-0	229-934-9	60 – 70
Methyl Ethyl Ketone Peroxide	1338-23-4	215-661-2	30 – 35
Hydrogen Peroxide	7722-84-1	231-765-0	0.001 – 3.0
Water	7732-18-5	231-791-2	0.001 – 2.0
Methyl Ethyl Ketone	78-93-3	201-159-0	0.001 – 2.0

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

SECTION 3. HAZARDS IDENTIFICATION

*****EMERGENCY OVERVIEW*****

DANGER! ORGANIC PEROXIDE. HEAT OR CONTAMINATION MAY CAUSE HAZARDOUS DECOMPOSITION. CAUSES EYE AND SKIN BURNS. HARMFUL OR FATAL IF SWALLOWED.

Potential Health Effects

Acute Effects (Short Term):

Eye: Contact with liquid or vapor may result in burns and possibly permanent damage. Symptoms may include burning, redness, tearing, and blurred vision.

Skin: May cause severe skin irritation with blistering. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns.

Swallowing: Ingestion of this material may cause severe gastrointestinal irritation, or burns of the mouth, throat, esophagus and stomach, nausea, diarrhea, and vomiting. Aspiration of this material into the lungs due to vomiting may cause severe lung injury.

Inhalation: Excessive inhalation of vapors may cause severe nasal and respiratory irritation, acute nervous system depression, fatigue, weakness, nausea, headache, and dizziness. Symptoms usually occur at air concentrations higher than the recommended exposure limits (See Section 8).

Chronic Effects of Overexposure (Long Term):

Product: Prolonged and /or repeated inhalation is expected to be severely irritating to the respiratory system.

Methyl Ethyl Ketone: Animal tests show that this substance possibly causes toxic effects upon human reproduction.

Cancer Information: This product does not contain any substance, which is listed as a carcinogen by NTP, IARC or OSHA.

Other Health Effects: NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Primary Route(s) of Entry: Inhalation, Skin contact, Eye contact, Ingestion, Skin absorption.

SECTION 4. FIRST AID MEASURES

Eyes: Flush eyes gently with water for at least 15 minutes. Seek immediate medical attention. DO NOT let victim rub eyes. Do not attempt to use any neutralization chemicals.

Skin: Immediately remove contaminated clothing. Wash exposed area with soap and water. Seek medical attention. Launder clothing before reuse.

Swallowing: Consult a physician or poison control center immediately. DO NOT INDUCE VOMITING. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. If possible, do not leave individual unattended.

Inhalation: If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep

person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, oxygen may be benificial if administered by trained personnel.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point: 179.6 ºF (82.0 ºC)
Explosive Limit: **Lower:** 2.0% **Upper:** 11.0%
Autoignition Temperature: Not Determined
OSHA Flammability Class: Combustible Liquid – Class IIIA

Hazardous Products of Combustion: May form toxic and corrosive gases: carbon dioxide, carbon monoxide, water, acetic acid, formic acid, propionic acid, methyl ethyl ketone and various hydrocarbons.

Fire and Explosion Hazards: Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point.

Extinguishing Media: Regular foam, carbon dioxide, dry chemical.

Fire Fighting Instructions: Water may be used to keep fire-exposed containers cool until fire is out. Wear a self-contained breathing apparatus NIOSH approved with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

NFPA Rating: Health - 3, Flammability - 2, Reactivity - 2

SECTION 6. ACCIDENTAL RELEASE MEASURES

In Case of Spill: Eliminate all sources of ignition such as flares, flames (including pilot lights), and electrical sparks. Ventilate the area. Wear proper protective equipment (Section 8). Avoid breathing vapors. Collect with an inert absorbant and dispose of properly.

SECTION 7. HANDLING AND STORAGE

Handling: All hazard precautions given in the data sheet must be observed. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use only with adequate ventilation. Do not breathe vapors or spray mist. Do not take internally. Close container after each use. **Keep out of reach of children.**

Storage: Store material in a cool, well-ventilated area. For maximum product quality, avoid prolonged storage at temperatures above 75?F (25?C). To prevent possible self-accelerating decomposition, temperatures in the storage facility must not exceed 131?F (55?C). Do not use or store near heat, sparks, or open flame. Keep container tightly closed. Avoid contact with incompatible materials.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Chemical splash goggles in compliance with OSHA regulations are recommended.

Skin Protection: Protective gloves and proper clothing should be worn to prevent skin contact. Gloves should be made of neoprene or natural rubber. A barrier cream may be used for additional skin protection. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Respiratory Protection: Use a NIOSH approved respirator designed to remove particulate matter and organic solvent vapors.

Engineering Controls: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below acceptable limits. Explosion-proof ventilation system is acceptable.

Exposure Guidelines:

Hazardous Ingredients	CAS Number	OSHA PEL/TWA	ACGIH TLV
Hydrogen Peroxide	7722-84-1	1 ppm	1 ppm
Methyl Ethyl Ketone	78-93-3	200 ppm	200 ppm
Methyl Ethyl Ketone Peroxide	1338-23-4	N/E	0.2 ppm C

Mppcf- millions of particles per cubic foot of air N/E-Not Established C-Ceiling

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	176 - 536 ?F/ 80 - 280 ?C	**Vapor Density:**	Heavier than air.
Specific Gravity / Density:	1.0/ 8.33 lbs/gal	**Percent Volatiles by weight:**	Not Available

Evaporation Rate:	Slower than ethyl ether.	**Physical State:**	Liquid
Melting Point:	32 ?F / 0 ?C	**pH:**	Neutral
Odor:	Ketone odor.	**Solubility:**	Moderate in water.
Vapor Pressure:	23.2 mmHg @ 68 ?F / 20 ?C (H_2O_2)	**Appearance:**	Clear, Colorless Liquid
Octanol/Water Partition Coefficient:	Unknown	**VOC (as packaged-less exempts and water):**	0.168 lbs/gal or 20 g/L

SECTION 10. STABILITY AND REACTIVITY

Hazardous Polymerization: Product may undergo hazardous polymerization if exposed to temperatures above 131?F (55?C).

Hazardous Decomposition: May form toxic and corrosive gases: carbon dioxide, carbon monoxide, oxygen, ethane, methane, and various hydrocarbons.

Chemical Stability: Stable under normal handling conditions.

Incompatibility: Avoid contact in uncontrolled conditions with: organic materials, inorganic acids, strong oxidizing agents, accelerators, reducing materials and strong bases.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity Data:

Ingredient	CAS #	LD_{50} Oral-Rat	LC_{50} Inhalation-Rat
Methyl Ethyl Ketone Peroxide	1338-23-4	484 mg/kg	200 ppm/4H
Propanoic Acid, ester	6846-50-0	>3,200 mg/kg	N/E
Methyl Ethyl Ketone	78-93-3	2,737 mg/kg	23,500 mg/m^3/8H

Carcinogenicity: See Cancer Information, Section 3.

Mutagenicity: No significant evidence found.

Teratogenicity: Development inhalation toxicity studies with methyl ethyl ketone in rats and mice resulted in fetal toxicity at maternally toxic doses.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: The ecological toxicity of this product is not known.

SECTION 13. DISPOSAL CONSIDERATION

RCRA Hazardous Waste: This material as supplied, if discarded, would be regulated as a hazardous waste under RCRA (40 CFR 261). Dispose of in accordance with applicable federal, state, and local regulations.

RCRA Hazard Class: This material would be regulated as EPA Hazardous Waste Number D001 based on the characteristic of ignitablity (oxidizer), D002 based on the characteristic of corrosivity, D003 based on the characteristic of reactivity, U160 (contains MEKP) and D035 contains MEK).

SECTION 14. TRANSPORT INFORMATION

DOT Description: The DOT Classification for shipping is dependant on quantity, type of packaging (a kit may include other components), or method of shipment.

SECTION 15. REGULATORY INFORMATION

US Federal Regulations

TSCA (Toxic Substances Control Act) Status

TSCA (USA) The intentional ingredients of this product are listed.

CERCLA RQ - 40 CFR 302.4(a)

Component	RQ (lbs.)
Methyl Ethyl Ketone Peroxide	10
Methyl Ethyl Ketone	5000

SARA Title III: Section 302- Extremely Hazardous Substances
None

SARA Title III: Section 313- Toxic Chemical List

Component	CAS Number	Percentage
Methyl Ethyl Ketone	78-93-3	0.001 – 2.0%

International Regulations

EINECS (Europe) The intentional ingredients of this product are listed.

DSL (Canada) The intentional ingredients of this product are listed.

WHMIS Classification

Health Hazard: C, D2A, E, F (Oxidizer, Toxic Effects, Corrosive, Dangerously Reactive Materials)

Physical Hazard: B3 (Combustible)

State and Local Regulations

California Proposition 65:

This product contains the following chemical(s) known to the state of California to cause cancer. NONE

This product contains the following chemical(s) known to the state of California to cause birth defects or reproductive harm. NONE

SECTION 16. OTHER INFORMATION

HMIS Rating: Health – 3, Flammability - 2, Reactivity - 2
Key- 0=Least, 1=Slight, 2=Moderate, 3=Serious, 4=Extreme, *=Chronic Effects

Other Precautions for Use: DO NOT return unused material to the original container. DO NOT contaminate product with foreign materials, it may cause hazardous decomposition. Additional Information may be obtained by calling the Evercoat MSDS Hotline at 1-800-729-7600.

NOTICE: The information accumulated herein is believed to be correct as of the date issued from sources, which are believed to be accurate and reliable. Since it is not possible to anticipate all circumstances of use, recipients are advised to confirm, in advance of need, that the information is current, applicable and suitable to their circumstances.

MATERIAL SAFETY DATA SHEET

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: Color Agent White
Product Numbers: 100509, 100668D, 108000C
Product Use: Pigment Dispersion

Company

Fibre Glass-Evercoat
a Division of Illinois Tool Works Inc.
6600 Cornell Road
Cincinnati, Ohio USA
Phone: 513-489-7600

Packaged By:
Rocket Plastics Co.
P.O. Box 429514
Montgomery, Ohio USA 45242

Emergency Telephone Numbers:

CHEMTREC: 1-800-424-9300
CANUTEC: 1-613-996-6666

Prepared By: Safety Department

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	EINECS Number	% (by weight)
Titanium Dioxide	13463-67-7	236-675-5	40 – 45
Limestone	471-34-1	207-439-9	20 – 25
Surfactant	9003-11-6	N/L	15 – 20
Diacetone Alcohol	123-42-2	204-626-7	15 – 20
Bentonite	1302-78-9	215-108-5	1 – 5

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

SECTION 3. HAZARDS IDENTIFICATION

*****EMERGENCY OVERVIEW*****

WARNING! COMBUSTIBLE LIQUID AND VAPOR. VAPOR HARMFUL. CAUSES EYE, SKIN, NOSE AND THROAT IRRITATION.

Potential Health Effects

Acute Effects (Short Term):

Eye: Contact with liquid or vapor may result in irritation, redness, tearing, and blurred vision.

Skin: May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns.

Swallowing: Ingestion of this material may cause gastrointestinal irritation, nausea, diarrhea, and vomiting. Aspiration of this material into the lungs due to vomiting may produce chemical pneumonitis which can be fatal.

Inhalation: Excessive inhalation of vapors may cause nasal and respiratory irritation, acute nervous system depression, fatigue, weakness, nausea, headache, and dizziness. Symptoms usually occur at air concentrations higher than the recommended exposure limits (See Section 8).

Chronic Effects of Overexposure (Long Term):

Diacetone Alcohol: Prolonged or repeated contact may cause dermatitis. May cause liver and kidney damage.

Cancer Information: This product does not contain any substance, which is listed as a carcinogen by NTP, IARC or OSHA in quantities greater than 0.1%.

Other Health Effects: NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Primary Route(s) of Entry: Inhalation, Skin contact, Eye contact, Ingestion, Skin absorption.

SECTION 4. FIRST AID MEASURES

Eyes: Flush eyes gently with water for at least 15 minutes. Seek immediate medical attention.

Skin: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Swallowing: Consult a physician or poison control center immediately. DO NOT INDUCE VOMITING. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. If possible, do not leave individual unattended.

Inhalation: If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, oxygen may be benificial if administered by trained personnel.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point: 136 ºF (57.8 ºC)
Explosive Limit: **Lower:** 1.8% **Upper:** 6.9%
Autoignition Temperature: 1189.4 ºF (643.0 ºC)
OSHA Flammability Class: Combustible Liquid-Class II

Hazardous Products of Combustion: May form toxic and corrosive gases: carbon dioxide, carbon monoxide and various hydrocarbons.
Fire and Explosion Hazards: Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point.
Extinguishing Media: Regular foam, carbon dioxide, dry chemical.
Fire Fighting Instructions: Water may be used to keep fire-exposed containers cool until fire is out. Wear a self-contained breathing apparatus NIOSH approved with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

NFPA Rating: Health - 2, Flammability - 1, Reactivity - 0

SECTION 6. ACCIDENTAL RELEASE MEASURES

In Case of Spill: Eliminate all sources of ignition such as flares, flames (including pilot lights), and electrical sparks. Ventilate the area. Wear proper protective equipment (Section 8). Avoid breathing vapors. Collect with an inert absorbant and dispose of properly.

SECTION 7. HANDLING AND STORAGE

Handling: All hazard precautions given in the data sheet must be observed. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use only with adequate ventilation. Do not take internally. Close container after each use. **Keep out of reach of children.**

Storage: Store material in a cool, well-ventilated area. For maximum product quality, avoid prolonged storage at temperatures above 75?F (25?C). Do not use or store near heat, sparks, or open flame. Keep container tightly closed. Avoid contact with incompatible materials.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Chemical splash goggles in compliance with OSHA regulations are recommended.

Skin Protection: Protective gloves and proper clothing should be worn to prevent skin contact. Gloves should be made of neoprene or natural rubber. A barrier cream may be used for additional skin protection. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Respiratory Protection: Use a NIOSH approved respirator designed to remove particulate matter and organic solvent vapors.

Engineering Controls: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below acceptable limits. Explosion-proof ventilation system is acceptable.

Exposure Guidelines:

Hazardous Ingredients	CAS Number	OSHA PEL/TWA	ACGIH TLV
Limestone	471-34-1	15 mg/m^3	10 mg/m^3
Diacetone Alcohol	123-42-2	50 ppm	50 ppm
Titanium Dioxide	13463-67-7	15 mg/m^3	10 mg/m^3

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	334 ?F/ 167.8 ?C	**Vapor Density:**	Heavier than air.
Specific Gravity / Density:	1.92 / 16.0 lbs/gal	**Percent Volatiles by weight:**	5 - 10 %
Evaporation Rate:	Slower than ethyl ether.	**Physical State:**	Paste
Melting Point:	-47 ?F/ -43.9 ?C	**pH:**	Neutral
Odor:	Sharp, aromatic odor.	**Solubility:**	Insoluble in water.
Vapor Pressure:	1 mmHg @ 68 ?F / 20 ?C	**Appearance:**	White Paste
Octanol/Water Partition Coefficient:	Unknown	**VOC (as packaged-less exempts and water):**	1.70 lbs/gal or 204 g/L

SECTION 10. STABILITY AND REACTIVITY

Hazardous Polymerization: Product will not undergo hazardous polymerization.

Hazardous Decomposition: May form: carbon dioxide, carbon monoxide and various hydrocarbons.

Chemical Stability: Stable under normal handling conditions.

Incompatibility: Avoid contact in uncontrolled conditions with: strong alkalis and strong oxidizing agents.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity Data:

Ingredient	CAS #	LD_{50} Oral-Rat	LC_{50} Inhalation-Rat
Diacetone Alcohol	123-42-2	4,000 mg/kg	N/E
Surfactant	9003-11-6	2,300 mg/kg	N/E

Carcinogenicity: See Cancer Information, Section 3.

Mutagenicity: No significant evidence found.

Teratogenicity: No significant evidence found.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: This product should not be released to sewage, draining systems or any body of water exceeding concentrations of approved limits under applicable regulations and permits.

SECTION 13. DISPOSAL CONSIDERATION

RCRA Hazardous Waste: This material as supplied, if discarded, would be regulated as a hazardous waste under RCRA (40 CFR 261). Dispose of in accordance with applicable federal, state, and local regulations.

RCRA Hazard Class: This material would be regulated as EPA Hazardous Waste Number D001 based on the characteristic of ignitablity.

SECTION 14. TRANSPORT INFORMATION

DOT Description: The DOT Classification for shipping is dependant on quantity, type of packaging (a kit may include other components), or method of shipment.

SECTION 15. REGULATORY INFORMATION

US Federal Regulations

TSCA (Toxic Substances Control Act) Status
TSCA (USA) The intentional ingredients of this product are listed.
CERCLA RQ - 40 CFR 302.4(a)
None
SARA Title III: Section 302- Extremely Hazardous Substances
None
SARA Title III: Section 313- Toxic Chemical List
None

International Regulations

EINECS (Europe) The intentional ingredients of this product are listed.
DSL (Canada) The intentional ingredients of this product are listed.
WHMIS Classification
Health Hazard: D2A, D2B (Other Toxic Effects)
Physical Hazard: B3 (Combustible)

State and Local Regulations

California Proposition 65:
This product contains the following chemical(s) known to the state of California to cause cancer. NONE

This product contains the following chemical(s) known to the state of California to cause birth defects or reproductive harm. NONE

SECTION 16. OTHER INFORMATION

HMIS Rating: Health – 2*, Flammability - 1, Reactivity - 0
Key- 0=Least, 1=Slight, 2=Moderate, 3=Serious, 4=Extreme, *=Chronic Effects

Other Precautions for Use: None known.

Additional Information may be obtained by calling the Evercoat MSDS Hotline at 1-800-729-7600.

NOTICE: The information accumulated herein is believed to be correct as of the date issued from sources, which are believed to be accurate and reliable. Since it is not possible to anticipate all circumstances of use, recipients are advised to confirm, in advance of need, that the information is current, applicable and suitable to their circumstances.

MATERIAL SAFETY DATA SHEET

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: Color Agent Red
Product Numbers: 100503, 100668E, 108000D
Product Use: Pigment Dispersion

Company

Fibre Glass-Evercoat
a Division of Illinois Tool Works Inc.
6600 Cornell Road
Cincinnati, Ohio USA
Phone: 513-489-7600

Packaged By:
Rocket Plastics Co.
P.O. Box 429514
Montgomery, Ohio USA 45242

Emergency Telephone Numbers:

CHEMTREC: 1-800-424-9300
CANUTEC: 1-613-996-6666

Prepared By: Safety Department

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	EINECS Number	% (by weight)
Limestone	471-34-1	207-439-9	30 – 35
Surfactant	9003-11-6	N/L	25 – 30
Diacetone Alcohol	123-42-2	204-626-7	25 – 30
Naphthol Red	2786-76-7	220-509-3	5 – 10
Red Iron Oxide	8011-97-0	N/L	1 – 5
Azo Red	7585-41-3	231-494-8	1 – 5

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

SECTION 3. HAZARDS IDENTIFICATION

*****EMERGENCY OVERVIEW*****

WARNING! COMBUSTIBLE LIQUID AND VAPOR. VAPOR HARMFUL. CAUSES EYE, SKIN, NOSE AND THROAT IRRITATION.

Potential Health Effects

Acute Effects (Short Term):

Eye: Contact with liquid or vapor may result in irritation, redness, tearing, and blurred vision.

Skin: May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns.

Swallowing: Ingestion of this material may cause gastrointestinal irritation, nausea, diarrhea, and vomiting. Aspiration of this material into the lungs due to vomiting may produce chemical pneumonitis which can be fatal.

Inhalation: Excessive inhalation of vapors may cause nasal and respiratory irritation, acute nervous system depression, fatigue, weakness, nausea, headache, and dizziness. Symptoms usually occur at air concentrations higher than the recommended exposure limits (See Section 8).

Chronic Effects of Overexposure (Long Term):

Diacetone Alcohol: Prolonged or repeated contact may cause dermatitis. May cause liver and kidney damage.

Cancer Information: This product does not contain any substance, which is listed as a carcinogen by NTP, IARC or OSHA in quantities greater than 0.1%.

Other Health Effects: NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Primary Route(s) of Entry: Inhalation, Skin contact, Eye contact, Ingestion, Skin absorption.

SECTION 4. FIRST AID MEASURES

Eyes: Flush eyes gently with water for at least 15 minutes. Seek immediate medical attention.

Skin: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Swallowing: Consult a physician or poison control center immediately. DO NOT INDUCE VOMITING. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. If possible, do not leave individual unattended.

Inhalation: If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, oxygen may be benificial if administered by trained personnel.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point: 136 ºF (57.8 ºC)
Explosive Limit: **Lower:** 1.8% **Upper:** 6.9%
Autoignition Temperature: 1189.4 ºF (643.0 ºC)
OSHA Flammability Class: Combustible Liquid-Class II

Hazardous Products of Combustion: May form toxic and corrosive gases: carbon dioxide, carbon monoxide and various hydrocarbons.

Fire and Explosion Hazards: Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point.

Extinguishing Media: Regular foam, carbon dioxide, dry chemical.

Fire Fighting Instructions: Water may be used to keep fire-exposed containers cool until fire is out. Wear a self-contained breathing apparatus NIOSH approved with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

NFPA Rating: Health - 2, Flammability - 1, Reactivity - 0

SECTION 6. ACCIDENTAL RELEASE MEASURES

In Case of Spill: Eliminate all sources of ignition such as flares, flames (including pilot lights), and electrical sparks. Ventilate the area. Wear proper protective equipment (Section 8). Avoid breathing vapors. Collect with an inert absorbant and dispose of properly.

SECTION 7. HANDLING AND STORAGE

Handling: All hazard precautions given in the data sheet must be observed. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use only with

adequate ventilation. Do not take internally. Close container after each use. **Keep out of reach of children.**

Storage: Store material in a cool, well-ventilated area. For maximum product quality, avoid prolonged storage at temperatures above 75?F (25?C). Do not use or store near heat, sparks, or open flame. Keep container tightly closed. Avoid contact with incompatible materials.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Chemical splash goggles in compliance with OSHA regulations are recommended.

Skin Protection: Protective gloves and proper clothing should be worn to prevent skin contact. Gloves should be made of neoprene or natural rubber. A barrier cream may be used for additional skin protection. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Respiratory Protection: Use a NIOSH approved respirator designed to remove particulate matter and organic solvent vapors.

Engineering Controls: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below acceptable limits. Explosion-proof ventilation system is acceptable.

Exposure Guidelines:

Hazardous Ingredients	CAS Number	OSHA PEL/TWA	ACGIH TLV
Limestone	471-34-1	15 mg/m^3	10 mg/m^3
Diacetone Alcohol	123-42-2	50 ppm	50 ppm

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	334 ?F/ 167.8 ?C	**Vapor Density:**	Heavier than air.
Specific Gravity / Density:	1.34 / 11.2 lbs/gal	**Percent Volatiles by weight:**	25 - 30 %
Evaporation Rate:	Slower than ethyl ether.	**Physical State:**	Paste

Melting Point:	-47 ?F/ -43.9 ?C	**pH:**	Neutral
Odor:	Sharp, aromatic odor.	**Solubility:**	Insoluble in water.
Vapor Pressure:	1 mmHg @ 68 ?F / 20 ?C	**Appearance:**	Red Paste
Octanol/Water Partition Coefficient:	Unknown	**VOC (as packaged-less exempts and water):**	2.21 lbs/gal or 265 g/L

SECTION 10. STABILITY AND REACTIVITY

Hazardous Polymerization: Product will not undergo hazardous polymerization.
Hazardous Decomposition: May form: carbon dioxide, carbon monoxide and various hydrocarbons.
Chemical Stability: Stable under normal handling conditions.
Incompatibility: Avoid contact in uncontrolled conditions with: strong alkalis and strong oxidizing agents.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity Data:

Ingredient	CAS #	LD_{50} Oral-Rat	LC_{50} Inhalation-Rat
Diacetone Alcohol	123-42-2	4,000 mg/kg	N/E
Surfactant	9003-11-6	2,300 mg/kg	N/E

Carcinogenicity: See Cancer Information, Section 3.
Mutagenicity: No significant evidence found.
Teratogenicity: No significant evidence found.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: This product should not be released to sewage, draining systems or any body of water exceeding concentrations of approved limits under applicable regulations and permits.

SECTION 13. DISPOSAL CONSIDERATION

RCRA Hazardous Waste: This material as supplied, if discarded,

would be regulated as a hazardous waste under RCRA (40 CFR 261). Dispose of in accordance with applicable federal, state, and local regulations.

RCRA Hazard Class: This material would be regulated as EPA Hazardous Waste Number D001 based on the characteristic of ignitablity.

SECTION 14. TRANSPORT INFORMATION

DOT Description: The DOT Classification for shipping is dependant on quantity, type of packaging (a kit may include other components), or method of shipment.

SECTION 15. REGULATORY INFORMATION

US Federal Regulations

TSCA (Toxic Substances Control Act) Status
TSCA (USA) The intentional ingredients of this product are listed.
CERCLA RQ - 40 CFR 302.4(a)
None
SARA Title III: Section 302- Extremely Hazardous Substances
None
SARA Title III: Section 313- Toxic Chemical List
None

International Regulations

EINECS (Europe) The intentional ingredients of this product are listed.
DSL (Canada) The intentional ingredients of this product are listed.
WHMIS Classification
Health Hazard: D2A, D2B (Other Toxic Effects)
Physical Hazard: B3 (Combustible)

State and Local Regulations

California Proposition 65:
This product contains the following chemical(s) known to the state of California to cause cancer. NONE

This product contains the following chemical(s) known to the state of California to cause birth defects or reproductive harm. NONE

SECTION 16. OTHER INFORMATION

HMIS Rating: Health – 2*, Flammability - 1, Reactivity - 0
Key- 0=Least, 1=Slight, 2=Moderate, 3=Serious, 4=Extreme, *=Chronic Effects

Other Precautions for Use: None known.

Additional Information may be obtained by calling the Evercoat MSDS Hotline at 1-800-729-7600.

NOTICE: The information accumulated herein is believed to be correct as of the date issued from sources, which are believed to be accurate and reliable. Since it is not possible to anticipate all circumstances of use, recipients are advised to confirm, in advance of need, that the information is current, applicable and suitable to their circumstances.

MATERIAL SAFETY DATA SHEET

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: Color Agent Blue
Product Numbers: 100507, 100668F, 108000E
Product Use: Pigment Dispersion

Company

Fibre Glass-Evercoat
a Division of Illinois Tool Works Inc.
6600 Cornell Road
Cincinnati, Ohio USA
Phone: 513-489-7600

Packaged By:
Rocket Plastics Co.
P.O. Box 429514
Montgomery, Ohio USA 45242

Emergency Telephone Numbers:

CHEMTREC: 1-800-424-9300
CANUTEC: 1-613-996-6666

Prepared By: Safety Department

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	EINECS Number	% (by weight)
Limestone	471-34-1	207-439-9	20 – 25
Surfactant	9003-11-6	N/L	20 – 25
Diacetone Alcohol	123-42-2	204-626-7	20 – 25
Titanium Dioxide	13463-67-7	236-675-5	15 – 20
Pigment Blue 15	147-14-8	205-685-1	5 – 10
Bentonite	1302-78-9	215-108-5	1 – 5

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

SECTION 3. HAZARDS IDENTIFICATION

*****EMERGENCY OVERVIEW*****

WARNING! COMBUSTIBLE LIQUID AND VAPOR. VAPOR HARMFUL. CAUSES EYE, SKIN, NOSE AND THROAT IRRITATION.

Potential Health Effects

Acute Effects (Short Term):

Eye: Contact with liquid or vapor may result in irritation, redness, tearing, and blurred vision.

Skin: May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns.

Swallowing: Ingestion of this material may cause gastrointestinal irritation, nausea, diarrhea, and vomiting. Aspiration of this material into the lungs due to vomiting may produce chemical pneumonitis which can be fatal.

Inhalation: Excessive inhalation of vapors may cause nasal and respiratory irritation, acute nervous system depression, fatigue, weakness, nausea, headache, and dizziness. Symptoms usually occur at air concentrations higher than the recommended exposure limits (See Section 8).

Chronic Effects of Overexposure (Long Term):

Diacetone Alcohol: Prolonged or repeated contact may cause dermatitis. May cause liver and kidney damage.

Cancer Information: This product does not contain any substance, which is listed as a carcinogen by NTP, IARC or OSHA in quantities greater than 0.1%.

Other Health Effects: NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Primary Route(s) of Entry: Inhalation, Skin contact, Eye contact, Ingestion, Skin absorption.

SECTION 4. FIRST AID MEASURES

Eyes: Flush eyes gently with water for at least 15 minutes. Seek immediate medical attention.

Skin: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Swallowing: Consult a physician or poison control center immediately. DO NOT INDUCE VOMITING. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. If possible, do not leave individual unattended.

Inhalation: If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, oxygen may be benificial if administered by trained personnel.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point: 136 ºF (57.8 ºC)
Explosive Limit: **Lower:** 1.8% **Upper:** 6.9%
Autoignition Temperature: 1189.4 ºF (643.0 ºC)
OSHA Flammability Class: Combustible Liquid-Class II

Hazardous Products of Combustion: May form toxic and corrosive gases: carbon dioxide, carbon monoxide and various hydrocarbons.

Fire and Explosion Hazards: Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point.

Extinguishing Media: Regular foam, carbon dioxide, dry chemical.

Fire Fighting Instructions: Water may be used to keep fire-exposed containers cool until fire is out. Wear a self-contained breathing apparatus NIOSH approved with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

NFPA Rating: Health - 2, Flammability - 1, Reactivity - 0

SECTION 6. ACCIDENTAL RELEASE MEASURES

In Case of Spill: Eliminate all sources of ignition such as flares, flames (including pilot lights), and electrical sparks. Ventilate the area. Wear proper protective equipment (Section 8). Avoid breathing vapors. Collect with an inert absorbant and dispose of properly.

SECTION 7. HANDLING AND STORAGE

Handling: All hazard precautions given in the data sheet must be observed. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use only with

adequate ventilation. Do not take internally. Close container after each use. **Keep out of reach of children.**

Storage: Store material in a cool, well-ventilated area. For maximum product quality, avoid prolonged storage at temperatures above 75?F (25?C). Do not use or store near heat, sparks, or open flame. Keep container tightly closed. Avoid contact with incompatible materials.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Chemical splash goggles in compliance with OSHA regulations are recommended.

Skin Protection: Protective gloves and proper clothing should be worn to prevent skin contact. Gloves should be made of neoprene or natural rubber. A barrier cream may be used for additional skin protection. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Respiratory Protection: Use a NIOSH approved respirator designed to remove particulate matter and organic solvent vapors.

Engineering Controls: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below acceptable limits. Explosion-proof ventilation system is acceptable.

Exposure Guidelines:

Hazardous Ingredients	CAS Number	OSHA PEL/TWA	ACGIH TLV
Limestone	471-34-1	15 mg/m^3	10 mg/m^3
Diacetone Alcohol	123-42-2	50 ppm	50 ppm
Titanium Dioxide	13463-67-7	15 mg/m^3	10 mg/m^3

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	334 ?F/ 167.8 ?C	**Vapor Density:**	Heavier than air.
Specific Gravity / Density:	1.45 / 12.1 lbs/gal	**Percent Volatiles by weight:**	20 – 25 %

Evaporation Rate:	Slower than ethyl ether.	**Physical State:**	Paste
Melting Point:	-47 ?F/ -43.9 ?C	**pH:**	Neutral
Odor:	Sharp, aromatic odor.	**Solubility:**	Insoluble in water.
Vapor Pressure:	1 mmHg @ 68 ?F / 20 ?C	**Appearance:**	Blue Paste
Octanol/Water Partition Coefficient:	Unknown	**VOC (as packaged-less exempts and water):**	2.18 lbs/gal or 262 g/L

SECTION 10. STABILITY AND REACTIVITY

Hazardous Polymerization: Product will not undergo hazardous polymerization.
Hazardous Decomposition: May form: carbon dioxide, carbon monoxide and various hydrocarbons.
Chemical Stability: Stable under normal handling conditions.
Incompatibility: Avoid contact in uncontrolled conditions with: strong alkalis and strong oxidizing agents.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity Data:

Ingredient	CAS #	LD_{50} Oral-Rat	LC_{50} Inhalation-Rat
Diacetone Alcohol	123-42-2	4,000 mg/kg	N/E
Surfactant	9003-11-6	2,300 mg/kg	N/E

Carcinogenicity: See Cancer Information, Section 3.
Mutagenicity: No significant evidence found.
Teratogenicity: No significant evidence found.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: This product should not be released to sewage, draining systems or any body of water exceeding concentrations of approved limits under applicable regulations and permits.

SECTION 13. DISPOSAL CONSIDERATION

RCRA Hazardous Waste: This material as supplied, if discarded,

would be regulated as a hazardous waste under RCRA (40 CFR 261). Dispose of in accordance with applicable federal, state, and local regulations.

RCRA Hazard Class: This material would be regulated as EPA Hazardous Waste Number D001 based on the characteristic of ignitablity.

SECTION 14. TRANSPORT INFORMATION

DOT Description: The DOT Classification for shipping is dependant on quantity, type of packaging (a kit may include other components), or method of shipment.

SECTION 15. REGULATORY INFORMATION

US Federal Regulations

TSCA (Toxic Substances Control Act) Status
TSCA (USA) The intentional ingredients of this product are listed.
CERCLA RQ - 40 CFR 302.4(a)
None
SARA Title III: Section 302- Extremely Hazardous Substances
None
SARA Title III: Section 313- Toxic Chemical List
None

International Regulations

EINECS (Europe) The intentional ingredients of this product are listed.
DSL (Canada) The intentional ingredients of this product are listed.
WHMIS Classification
Health Hazard: D2A, D2B (Other Toxic Effects)
Physical Hazard: B3 (Combustible)

State and Local Regulations

California Proposition 65:
This product contains the following chemical(s) known to the state of California to cause cancer. NONE

This product contains the following chemical(s) known to the state of California to cause birth defects or reproductive harm. NONE

SECTION 16. OTHER INFORMATION

HMIS Rating: Health – 2*, Flammability - 1, Reactivity - 0
Key- 0=Least, 1=Slight, 2=Moderate, 3=Serious, 4=Extreme, *=Chronic Effects

Other Precautions for Use: None known.

Additional Information may be obtained by calling the Evercoat MSDS Hotline at 1-800-729-7600.

NOTICE: The information accumulated herein is believed to be correct as of the date issued from sources, which are believed to be accurate and reliable. Since it is not possible to anticipate all circumstances of use, recipients are advised to confirm, in advance of need, that the information is current, applicable and suitable to their circumstances.

MATERIAL SAFETY DATA SHEET

Color Agent Brown MSDS Number: 130023

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: Color Agent Brown
Product Numbers: 100506, 100668G, 108000F
Product Use: Pigment Dispersion

Company

Fibre Glass-Evercoat
a Division of Illinois Tool Works Inc.
6600 Cornell Road
Cincinnati, Ohio USA
Phone: 513-489-7600

Packaged By:
Rocket Plastics Co.
P.O. Box 429514
Montgomery, Ohio USA 45242

Emergency Telephone Numbers:

CHEMTREC: 1-800-424-9300
CANUTEC: 1-613-996-6666

Prepared By: Safety Department

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	EINECS Number	% (by weight)
Pigment Yellow 42	51274-00-1	257-098-5	25 – 30
Limestone	471-34-1	207-439-9	20 – 25
Surfactant	9003-11-6	N/L	15 – 20
Diacetone Alcohol	123-42-2	204-626-7	15 – 20
Red Iron Oxide	8011-97-0	N/L	5 – 10
Carbon Black	1333-86-4	215-609-9	1 – 5

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

SECTION 3. HAZARDS IDENTIFICATION

*****EMERGENCY OVERVIEW*****

WARNING! COMBUSTIBLE LIQUID AND VAPOR. VAPOR HARMFUL. CAUSES EYE, SKIN, NOSE AND THROAT IRRITATION.

Potential Health Effects

Acute Effects (Short Term):

Eye: Contact with liquid or vapor may result in irritation, redness, tearing, and blurred vision.

Skin: May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns.

Swallowing: Ingestion of this material may cause gastrointestinal irritation, nausea, diarrhea, and vomiting. Aspiration of this material into the lungs due to vomiting may produce chemical pneumonitis which can be fatal.

Inhalation: Excessive inhalation of vapors may cause nasal and respiratory irritation, acute nervous system depression, fatigue, weakness, nausea, headache, and dizziness. Symptoms usually occur at air concentrations higher than the recommended exposure limits (See Section 8).

Chronic Effects of Overexposure (Long Term):

Diacetone Alcohol: Prolonged or repeated contact may cause dermatitis. May cause liver and kidney damage.

Cancer Information: The International Agency for Research on Cancer (IARC) has classified carbon black as a group 2B carcinogen (possibly carcinogenic to humans).

Other Health Effects: NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Primary Route(s) of Entry: Inhalation, Skin contact, Eye contact, Ingestion, Skin absorption.

SECTION 4. FIRST AID MEASURES

Eyes: Flush eyes gently with water for at least 15 minutes. Seek immediate medical attention.

Skin: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Swallowing: Consult a physician or poison control center immediately. DO NOT INDUCE VOMITING. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. If possible, do not leave individual unattended.

Inhalation: If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep

person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, oxygen may be benificial if administered by trained personnel.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point: 136 ºF (57.8 ºC)
Explosive Limit: **Lower:** 1.8% **Upper:** 6.9%
Autoignition Temperature: 1189.4 ºF (643.0 ºC)
OSHA Flammability Class: Combustible Liquid-Class II

Hazardous Products of Combustion: May form toxic and corrosive gases: carbon dioxide, carbon monoxide and various hydrocarbons.

Fire and Explosion Hazards: Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point.

Extinguishing Media: Regular foam, carbon dioxide, dry chemical.

Fire Fighting Instructions: Water may be used to keep fire-exposed containers cool until fire is out. Wear a self-contained breathing apparatus NIOSH approved with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

NFPA Rating: Health - 2, Flammability - 1, Reactivity - 0

SECTION 6. ACCIDENTAL RELEASE MEASURES

In Case of Spill: Eliminate all sources of ignition such as flares, flames (including pilot lights), and electrical sparks. Ventilate the area. Wear proper protective equipment (Section 8). Avoid breathing vapors. Collect with an inert absorbant and dispose of properly.

SECTION 7. HANDLING AND STORAGE

Handling: All hazard precautions given in the data sheet must be observed. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use only with adequate ventilation. Do not take internally. Close container after each use. **Keep out of reach of children.**

Storage: Store material in a cool, well-ventilated area. For maximum product quality, avoid prolonged storage at temperatures above 75?F (25?C). Do not use or store near heat, sparks, or open flame. Keep container tightly closed. Avoid contact with incompatible materials.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Chemical splash goggles in compliance with OSHA regulations are recommended.

Skin Protection: Protective gloves and proper clothing should be worn to prevent skin contact. Gloves should be made of neoprene or natural rubber. A barrier cream may be used for additional skin protection. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Respiratory Protection: Use a NIOSH approved respirator designed to remove particulate matter and organic solvent vapors.

Engineering Controls: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below acceptable limits. Explosion-proof ventilation system is acceptable.

Exposure Guidelines:

Hazardous Ingredients	CAS Number	OSHA PEL/TWA	ACGIH TLV
Limestone	471-34-1	15 mg/m^3	10 mg/m^3
Diacetone Alcohol	123-42-2	50 ppm	50 ppm
Carbon Black	1333-86-4	3.5 mg/m^3	3.5 mg/m^3

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	334 ?F/ 167.8 ?C	**Vapor Density:**	Heavier than air.
Specific Gravity / Density:	1.74 / 14.5 lbs/gal	**Percent Volatiles by weight:**	15 - 20 %
Evaporation Rate:	Slower than ethyl ether.	**Physical State:**	Paste

Melting Point:	-47 ?F/ -43.9 ?C	**pH:**	Neutral
Odor:	Sharp, aromatic odor.	**Solubility:**	Insoluble in water.
Vapor Pressure:	1 mmHg @ 68 ?F / 20 ?C	**Appearance:**	Brown Paste
Octanol/Water Partition Coefficient:	Unknown	**VOC (as packaged-less exempts and water):**	2.40 lbs/gal or 288 g/L

SECTION 10. STABILITY AND REACTIVITY

Hazardous Polymerization: Product will not undergo hazardous polymerization.
Hazardous Decomposition: May form: carbon dioxide, carbon monoxide and various hydrocarbons.
Chemical Stability: Stable under normal handling conditions.
Incompatibility: Avoid contact in uncontrolled conditions with: strong alkalis and strong oxidizing agents.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity Data:

Ingredient	CAS #	LD_{50} Oral-Rat	LC_{50} Inhalation-Rat
Diacetone Alcohol	123-42-2	4,000 mg/kg	N/E
Surfactant	9003-11-6	2,300 mg/kg	N/E

Carcinogenicity: See Cancer Information, Section 3.
Mutagenicity: No significant evidence found.
Teratogenicity: No significant evidence found.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: This product should not be released to sewage, draining systems or any body of water exceeding concentrations of approved limits under applicable regulations and permits.

SECTION 13. DISPOSAL CONSIDERATION

RCRA Hazardous Waste: This material as supplied, if discarded,

would be regulated as a hazardous waste under RCRA (40 CFR 261). Dispose of in accordance with applicable federal, state, and local regulations.

RCRA Hazard Class: This material would be regulated as EPA Hazardous Waste Number D001 based on the characteristic of ignitablity.

SECTION 14. TRANSPORT INFORMATION

DOT Description: The DOT Classification for shipping is dependant on quantity, type of packaging (a kit may include other components), or method of shipment.

SECTION 15. REGULATORY INFORMATION

US Federal Regulations

TSCA (Toxic Substances Control Act) Status
TSCA (USA) The intentional ingredients of this product are listed.
CERCLA RQ - 40 CFR 302.4(a)
None
SARA Title III: Section 302- Extremely Hazardous Substances
None
SARA Title III: Section 313- Toxic Chemical List
None

International Regulations

EINECS (Europe) The intentional ingredients of this product are listed.
DSL (Canada) The intentional ingredients of this product are listed.
WHMIS Classification
Health Hazard: D2A, D2B (Other Toxic Effects)
Physical Hazard: B3 (Combustible)

State and Local Regulations

California Proposition 65:
This product contains the following chemical(s) known to the state of California to cause cancer. CARBON BLACK

This product contains the following chemical(s) known to the state of California to cause birth defects or reproductive harm. NONE

SECTION 16. OTHER INFORMATION

HMIS Rating: Health – 2*, Flammability - 1, Reactivity - 0
Key- 0=Least, 1=Slight, 2=Moderate, 3=Serious, 4=Extreme, *=Chronic Effects

Other Precautions for Use: None known.

Additional Information may be obtained by calling the Evercoat MSDS Hotline at 1-800-729-7600.

NOTICE: The information accumulated herein is believed to be correct as of the date issued from sources, which are believed to be accurate and reliable. Since it is not possible to anticipate all circumstances of use, recipients are advised to confirm, in advance of need, that the information is current, applicable and suitable to their circumstances.

MATERIAL SAFETY DATA SHEET

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: Color Agent Black
Product Numbers: 100508, 100668H, 108000G
Product Use: Pigment Dispersion

Company

Fibre Glass-Evercoat
a Division of Illinois Tool Works Inc.
6600 Cornell Road
Cincinnati, Ohio USA
Phone: 513-489-7600

Packaged By:
Rocket Plastics Co.
P.O. Box 429514
Montgomery, Ohio USA 45242

Emergency Telephone Numbers:

CHEMTREC: 1-800-424-9300
CANUTEC: 1-613-996-6666

Prepared By: Safety Department

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	EINECS Number	% (by weight)
Limestone	471-34-1	207-439-9	55 – 60
Surfactant	9003-11-6	N/L	15 – 20
Diacetone Alcohol	123-42-2	204-626-7	15 – 20
Carbon Black	1333-86-4	215-609-9	1 – 5

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

SECTION 3. HAZARDS IDENTIFICATION

*****EMERGENCY OVERVIEW*****

WARNING! COMBUSTIBLE LIQUID AND VAPOR. VAPOR HARMFUL. CAUSES EYE, SKIN, NOSE AND THROAT IRRITATION.

Potential Health Effects

Acute Effects (Short Term):

Eye: Contact with liquid or vapor may result in irritation, redness, tearing, and blurred vision.

Skin: May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns.

Swallowing: Ingestion of this material may cause gastrointestinal irritation, nausea, diarrhea, and vomiting. Aspiration of this material into the

lungs due to vomiting may produce chemical pneumonitis which can be fatal.

Inhalation: Excessive inhalation of vapors may cause nasal and respiratory irritation, acute nervous system depression, fatigue, weakness, nausea, headache, and dizziness. Symptoms usually occur at air concentrations higher than the recommended exposure limits (See Section 8).

Chronic Effects of Overexposure (Long Term):

Diacetone Alcohol: Prolonged or repeated contact may cause dermatitis. May cause liver and kidney damage.

Cancer Information: The International Agency for Research on Cancer (IARC) has classified carbon black as a group 2B carcinogen (possibly carcinogenic to humans).

Other Health Effects: NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Primary Route(s) of Entry: Inhalation, Skin contact, Eye contact, Ingestion, Skin absorption.

SECTION 4. FIRST AID MEASURES

Eyes: Flush eyes gently with water for at least 15 minutes. Seek immediate medical attention.

Skin: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Swallowing: Consult a physician or poison control center immediately. DO NOT INDUCE VOMITING. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. If possible, do not leave individual unattended.

Inhalation: If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, oxygen may be benificial if administered by trained personnel.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point: 136 ºF (57.8 ºC)
Explosive Limit: **Lower:** 1.8% **Upper:** 6.9%
Autoignition Temperature: 1189.4 ºF (643.0 ºC)

OSHA Flammability Class: Combustible Liquid-Class II
Hazardous Products of Combustion: May form toxic and corrosive gases: carbon dioxide, carbon monoxide and various hydrocarbons.
Fire and Explosion Hazards: Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point.
Extinguishing Media: Regular foam, carbon dioxide, dry chemical.
Fire Fighting Instructions: Water may be used to keep fire-exposed containers cool until fire is out. Wear a self-contained breathing apparatus NIOSH approved with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.
NFPA Rating: Health - 2, Flammability - 1, Reactivity - 0

SECTION 6. ACCIDENTAL RELEASE MEASURES

In Case of Spill: Eliminate all sources of ignition such as flares, flames (including pilot lights), and electrical sparks. Ventilate the area. Wear proper protective equipment (Section 8). Avoid breathing vapors. Collect with an inert absorbant and dispose of properly.

SECTION 7. HANDLING AND STORAGE

Handling: All hazard precautions given in the data sheet must be observed. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use only with adequate ventilation. Do not take internally. Close container after each use. **Keep out of reach of children.**

Storage: Store material in a cool, well-ventilated area. For maximum product quality, avoid prolonged storage at temperatures above 75?F (25?C). Do not use or store near heat, sparks, or open flame. Keep container tightly closed. Avoid contact with incompatible materials.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Chemical splash goggles in compliance with OSHA regulations are recommended.

Skin Protection: Protective gloves and proper clothing should be worn to prevent skin contact. Gloves should be made of neoprene or natural rubber. A barrier cream may be used for additional skin protection. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Respiratory Protection: Use a NIOSH approved respirator designed to remove particulate matter and organic solvent vapors.

Engineering Controls: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below acceptable limits. Explosion-proof ventilation system is acceptable.

Exposure Guidelines:

Hazardous Ingredients	CAS Number	OSHA PEL/TWA	ACGIH TLV
Limestone	471-34-1	15 mg/m^3	10 mg/m^3
Diacetone Alcohol	123-42-2	50 ppm	50 ppm
Carbon Black	1333-86-4	3.5 mg/m^3	3.5 mg/m^3

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	334 ?F/ 167.8 ?C	**Vapor Density:**	Heavier than air.
Specific Gravity / Density:	1.61 / 13.4 lbs/gal	**Percent Volatiles by weight:**	10 - 15 %
Evaporation Rate:	Slower than ethyl ether.	**Physical State:**	Paste
Melting Point:	-47 ?F/ -43.9 ?C	**pH:**	Neutral
Odor:	Sharp, aromatic odor.	**Solubility:**	Insoluble in water.
Vapor Pressure:	1 mmHg @ 68 ?F / 20 ?C	**Appearance:**	Black Paste
Octanol/Water Partition Coefficient:	Unknown	**VOC (as packaged-less exempts and water):**	2.57 lbs/gal or 308 g/L

SECTION 10. STABILITY AND REACTIVITY

Hazardous Polymerization: Product will not undergo hazardous polymerization.

Hazardous Decomposition: May form: carbon dioxide, carbon monoxide and various hydrocarbons.

Chemical Stability: Stable under normal handling conditions.

Incompatibility: Avoid contact in uncontrolled conditions with: strong alkalis and strong oxidizing agents.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity Data:

Ingredient	CAS #	LD_{50} Oral-Rat	LC_{50} Inhalation-Rat
Diacetone Alcohol	123-42-2	4,000 mg/kg	N/E
Surfactant	9003-11-6	2,300 mg/kg	N/E

Carcinogenicity: See Cancer Information, Section 3.

Mutagenicity: No significant evidence found.

Teratogenicity: No significant evidence found.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: This product should not be released to sewage, draining systems or any body of water exceeding concentrations of approved limits under applicable regulations and permits.

SECTION 13. DISPOSAL CONSIDERATION

RCRA Hazardous Waste: This material as supplied, if discarded, would be regulated as a hazardous waste under RCRA (40 CFR 261). Dispose of in accordance with applicable federal, state, and local regulations.

RCRA Hazard Class: This material would be regulated as EPA Hazardous Waste Number D001 based on the characteristic of ignitablity.

SECTION 14. TRANSPORT INFORMATION

DOT Description: The DOT Classification for shipping is dependant on quantity, type of packaging (a kit may include other components), or method of shipment.

SECTION 15. REGULATORY INFORMATION

US Federal Regulations

TSCA (Toxic Substances Control Act) Status
TSCA (USA) The intentional ingredients of this product are listed.
CERCLA RQ - 40 CFR 302.4(a)
None
SARA Title III: Section 302- Extremely Hazardous Substances
None
SARA Title III: Section 313- Toxic Chemical List
None

International Regulations

EINECS (Europe) The intentional ingredients of this product are listed.
DSL (Canada) The intentional ingredients of this product are listed.
WHMIS Classification
Health Hazard: D2A, D2B (Other Toxic Effects)
Physical Hazard: B3 (Combustible)

State and Local Regulations

California Proposition 65:
This product contains the following chemical(s) known to the state of California to cause cancer. CARBON BLACK

This product contains the following chemical(s) known to the state of California to cause birth defects or reproductive harm. NONE

SECTION 16. OTHER INFORMATION

HMIS Rating: Health – 2*, Flammability - 1, Reactivity - 0
Key- 0=Least, 1=Slight, 2=Moderate, 3=Serious, 4=Extreme, *=Chronic Effects

Other Precautions for Use: None known.

Additional Information may be obtained by calling the Evercoat MSDS Hotline at 1-800-729-7600.

NOTICE: The information accumulated herein is believed to be correct as of the date issued from sources, which are believed to be accurate and reliable. Since it is not possible to anticipate all circumstances of use, recipients are advised to confirm, in advance of need, that the information is current, applicable and suitable to their circumstances.

MATERIAL SAFETY DATA SHEET

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: Color Agent Yellow
Product Numbers: 100505, 100668J, 108000H
Product Use: Pigment Dispersion

Company

Fibre Glass-Evercoat
a Division of Illinois Tool Works Inc.
6600 Cornell Road
Cincinnati, Ohio USA
Phone: 513-489-7600

Packaged By:
Rocket Plastics Co.
P.O. Box 429514
Montgomery, Ohio USA 45242

Emergency Telephone Numbers:

CHEMTREC: 1-800-424-9300
CANUTEC: 1-613-996-6666

Prepared By: Safety Department

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	EINECS Number	% (by weight)
Limestone	471-34-1	207-439-9	55 – 60
Surfactant	9003-11-6	N/L	15 – 20
Diacetone Alcohol	123-42-2	204-626-7	15 – 20
Hansa Yellow	6358-31-2	228-768-4	5 – 10

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

SECTION 3. HAZARDS IDENTIFICATION

*****EMERGENCY OVERVIEW*****

WARNING! COMBUSTIBLE LIQUID AND VAPOR. VAPOR HARMFUL. CAUSES EYE, SKIN, NOSE AND THROAT IRRITATION.

Potential Health Effects

Acute Effects (Short Term):

Eye: Contact with liquid or vapor may result in irritation, redness, tearing, and blurred vision.

Skin: May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns.

Swallowing: Ingestion of this material may cause gastrointestinal irritation, nausea, diarrhea, and vomiting. Aspiration of this material into the

lungs due to vomiting may produce chemical pneumonitis which can be fatal.

Inhalation: Excessive inhalation of vapors may cause nasal and respiratory irritation, acute nervous system depression, fatigue, weakness, nausea, headache, and dizziness. Symptoms usually occur at air concentrations higher than the recommended exposure limits (See Section 8).

Chronic Effects of Overexposure (Long Term):

Diacetone Alcohol: Prolonged or repeated contact may cause dermatitis. May cause liver and kidney damage.

Cancer Information: This product does not contain any substance, which is listed as a carcinogen by NTP, IARC or OSHA in quantities greater than 0.1%.

Other Health Effects: NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Primary Route(s) of Entry: Inhalation, Skin contact, Eye contact, Ingestion, Skin absorption.

SECTION 4. FIRST AID MEASURES

Eyes: Flush eyes gently with water for at least 15 minutes. Seek immediate medical attention.

Skin: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Swallowing: Consult a physician or poison control center immediately. DO NOT INDUCE VOMITING. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. If possible, do not leave individual unattended.

Inhalation: If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, oxygen may be benificial if administered by trained personnel.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point: 136 ºF (57.8 ºC)
Explosive Limit: **Lower:** 1.8% **Upper:** 6.9%
Autoignition Temperature: 1189.4 ºF (643.0 ºC)
OSHA Flammability Class: Combustible Liquid-Class II

Hazardous Products of Combustion: May form toxic and corrosive gases: carbon dioxide, carbon monoxide and various hydrocarbons.

Fire and Explosion Hazards: Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point.

Extinguishing Media: Regular foam, carbon dioxide, dry chemical.

Fire Fighting Instructions: Water may be used to keep fire-exposed containers cool until fire is out. Wear a self-contained breathing apparatus NIOSH approved with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

NFPA Rating: Health - 2, Flammability - 1, Reactivity - 0

SECTION 6. ACCIDENTAL RELEASE MEASURES

In Case of Spill: Eliminate all sources of ignition such as flares, flames (including pilot lights), and electrical sparks. Ventilate the area. Wear proper protective equipment (Section 8). Avoid breathing vapors. Collect with an inert absorbant and dispose of properly.

SECTION 7. HANDLING AND STORAGE

Handling: All hazard precautions given in the data sheet must be observed. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use only with adequate ventilation. Do not take internally. Close container after each use. **Keep out of reach of children.**

Storage: Store material in a cool, well-ventilated area. For maximum product quality, avoid prolonged storage at temperatures above 75?F (25?C). Do not use or store near heat, sparks, or open flame. Keep container tightly closed. Avoid contact with incompatible materials.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Chemical splash goggles in compliance with OSHA regulations are recommended.

Skin Protection: Protective gloves and proper clothing should be worn to prevent skin contact. Gloves should be made of neoprene or natural rubber. A barrier cream may be used for additional skin protection. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Respiratory Protection: Use a NIOSH approved respirator designed to remove particulate matter and organic solvent vapors.

Engineering Controls: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below acceptable limits. Explosion-proof ventilation system is acceptable.

Exposure Guidelines:

Hazardous Ingredients	CAS Number	OSHA PEL/TWA	ACGIH TLV
Limestone	471-34-1	15 mg/m^3	10 mg/m^3
Diacetone Alcohol	123-42-2	50 ppm	50 ppm

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	334 ?F/ 167.8 ?C	**Vapor Density:**	Heavier than air.
Specific Gravity / Density:	1.58 / 13.2 lbs/gal	**Percent Volatiles by weight:**	15 - 20 %
Evaporation Rate:	Slower than ethyl ether.	**Physical State:**	Paste
Melting Point:	-47 ?F/ -43.9 ?C	**pH:**	Neutral
Odor:	Sharp, aromatic odor.	**Solubility:**	Insoluble in water.
Vapor Pressure:	1 mmHg @ 68 ?F / 20 ?C	**Appearance:**	Yellow Paste
Octanol/Water Partition Coefficient:	Unknown	**VOC (as packaged-less exempts and water):**	2.06 lbs/gal or 247 g/L

SECTION 10. STABILITY AND REACTIVITY

Hazardous Polymerization: Product will not undergo hazardous polymerization.
Hazardous Decomposition: May form: carbon dioxide, carbon monoxide and various hydrocarbons.

Chemical Stability: Stable under normal handling conditions.

Incompatibility: Avoid contact in uncontrolled conditions with: strong alkalis and strong oxidizing agents.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity Data:

Ingredient	CAS #	LD_{50} Oral-Rat	LC_{50} Inhalation-Rat
Diacetone Alcohol	123-42-2	4,000 mg/kg	N/E
Surfactant	9003-11-6	2,300 mg/kg	N/E

Carcinogenicity: See Cancer Information, Section 3.

Mutagenicity: No significant evidence found.

Teratogenicity: No significant evidence found.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: This product should not be released to sewage, draining systems or any body of water exceeding concentrations of approved limits under applicable regulations and permits.

SECTION 13. DISPOSAL CONSIDERATION

RCRA Hazardous Waste: This material as supplied, if discarded, would be regulated as a hazardous waste under RCRA (40 CFR 261). Dispose of in accordance with applicable federal, state, and local regulations.

RCRA Hazard Class: This material would be regulated as EPA Hazardous Waste Number D001 based on the characteristic of ignitablity.

SECTION 14. TRANSPORT INFORMATION

DOT Description: The DOT Classification for shipping is dependant on quantity, type of packaging (a kit may include other components), or method of shipment.

SECTION 15. REGULATORY INFORMATION

US Federal Regulations

TSCA (Toxic Substances Control Act) Status
TSCA (USA) The intentional ingredients of this product are listed.
CERCLA RQ - 40 CFR 302.4(a)
None
SARA Title III: Section 302- Extremely Hazardous Substances
None
SARA Title III: Section 313- Toxic Chemical List
None

International Regulations

EINECS (Europe) The intentional ingredients of this product are listed.
DSL (Canada) The intentional ingredients of this product are listed.
WHMIS Classification
Health Hazard: D2A, D2B (Other Toxic Effects)
Physical Hazard: B3 (Combustible)

State and Local Regulations

California Proposition 65:
This product contains the following chemical(s) known to the state of California to cause cancer. NONE

This product contains the following chemical(s) known to the state of California to cause birth defects or reproductive harm. NONE

SECTION 16. OTHER INFORMATION

HMIS Rating: Health – 2*, Flammability - 1, Reactivity - 0
Key- 0=Least, 1=Slight, 2=Moderate, 3=Serious, 4=Extreme, *=Chronic Effects

Other Precautions for Use: None known.

Additional Information may be obtained by calling the Evercoat MSDS Hotline at 1-800-729-7600.

NOTICE: The information accumulated herein is believed to be correct as of the date issued from sources, which are believed to be accurate and reliable. Since it is not possible to anticipate all circumstances of use, recipients are advised to confirm, in advance of need, that the information is current, applicable and suitable to their circumstances.

MATERIAL SAFETY DATA SHEET

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: Contact Cement
Product Numbers: 100618A
Product Use: Synthetic Rubber Adhesive

Company

Fibre Glass-Evercoat
a Division of Illinois Tool Works Inc.
6600 Cornell Road
Cincinnati, Ohio USA
Phone: 513-489-7600

Emergency Telephone Numbers:

CHEMTREC: 1-800-424-9300
CANUTEC: 1-613-996-6666

Prepared By: Safety Department

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	EINECS Number	% (by weight)
Solvent Naphtha, light	64742-89-8	265-192-2	30 – 35
Acetone	67-64-1	200-662-2	25 – 30
Toluene	108-88-3	203-625-9	15 – 20
Synthetic Rubber	Proprietary	Proprietary	10 – 15
Various Resins	Proprietary	Proprietary	5 – 10
Hexane	110-54-3	203-777-6	5 – 10

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

SECTION 3. HAZARDS IDENTIFICATION

*****EMERGENCY OVERVIEW*****

WARNING! EXTREMELY FLAMMABLE LIQUID AND VAPOR. VAPORS MAY CAUSE FLASH FIRE. VAPOR HARMFUL. CAUSES EYE, SKIN, NOSE AND THROAT IRRITATION. CAN CAUSE NERVE DAMAGE TO ARMS AND LEGS, EFFECTS MAY BE PERMANENT.

Potential Health Effects

Acute Effects (Short Term):

Eye: Contact with liquid or vapor may result in irritation, redness, tearing, and blurred vision.

Skin: May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns.

Swallowing: Ingestion of this material may cause gastrointestinal irritation, nausea, diarrhea, and vomiting. Aspiration of this material into the lungs due to vomiting may produce chemical pneumonitis which can be fatal.

Inhalation: Excessive inhalation of vapors may cause nasal and respiratory irritation, acute nervous system depression, fatigue, weakness, nausea, headache, and dizziness. Symptoms usually occur at air concentrations higher than the recommended exposure limits (See Section 8).

Chronic Effects of Overexposure (Long Term):

Toluene: Possible birth defects hazard. Toluene may be harmful to the human fetus based on positive results with laboratory animals. Overexposure to Toluene has been suggested as a cause of the following effects in humans: cardiac sensitization, kidney damage. The substance may have effects on the central nervous system, resulting in decreased learning ability and psychological disorders.

Acetone: Overexposure to this material may have effects on the blood and bone marrow.

Hexane: The substance may have effects on the central nervous system and especially peripheral nervous system, resulting in polyneuropathy. Animal tests show that this substance possibly causes toxic effects upon human reproduction.

Cancer Information: This product does not contain any substance, which is listed as a carcinogen by NTP, IARC or OSHA in quantities greater than 0.1%. This material may contain trace amounts of chemicals considered to be carcinogenic by OSHA (Benzene, IARC-Group 1).

Other Health Effects: NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Primary Route(s) of Entry: Inhalation, Skin contact, Eye contact, Ingestion, Skin absorption.

SECTION 4. FIRST AID MEASURES

Eyes: Flush eyes gently with water for at least 15 minutes. Seek immediate medical attention.

Skin: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Swallowing: Consult a physician or poison control center immediately. DO NOT INDUCE VOMITING. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. If possible, do not leave individual unattended.

Inhalation: If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, oxygen may be benificial if administered by trained personnel.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point: -1.0 ºF (-18.3 ºC)
Explosive Limit: **Lower:** 1.0% **Upper:** 12.8%
Autoignition Temperature: 480.0 ºF (249.0 ºC)
OSHA Flammability Class: Flammable Liquid – Class IB
Hazardous Products of Combustion: May form toxic and corrosive gases: carbon dioxide, carbon monoxide, phenols and various hydrocarbons.
Fire and Explosion Hazards: Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point.
Extinguishing Media: Regular foam, carbon dioxide, dry chemical.
Fire Fighting Instructions: Water may be used to keep fire-exposed containers cool until fire is out. Wear a self-contained breathing apparatus NIOSH approved with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.
NFPA Rating: Health - 2, Flammability - 4, Reactivity - 0

SECTION 6. ACCIDENTAL RELEASE MEASURES

In Case of Spill: Eliminate all sources of ignition such as flares, flames (including pilot lights), and electrical sparks. Ventilate the area. Wear proper protective equipment (Section 8). Avoid breathing vapors. Collect with an inert absorbant and dispose of properly.

SECTION 7. HANDLING AND STORAGE

Handling: All hazard precautions given in the data sheet must be observed. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use only with

adequate ventilation. Do not breathe vapors or spray mist. Do not take internally. Close container after each use. **Keep out of reach of children.**

Storage: Store material in a cool, well-ventilated area. For maximum product quality, avoid prolonged storage at temperatures above 75?F (25?C). Do not use or store near heat, sparks, or open flame. Keep container tightly closed. Avoid contact with incompatible materials.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Chemical splash goggles in compliance with OSHA regulations are recommended.

Skin Protection: Protective gloves and proper clothing should be worn to prevent skin contact. Gloves should be made of neoprene or natural rubber. A barrier cream may be used for additional skin protection. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Respiratory Protection: Use a NIOSH approved respirator designed to remove particulate matter and organic solvent vapors.

Engineering Controls: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below acceptable limits. Explosion-proof ventilation system is acceptable.

Exposure Guidelines:

Hazardous Ingredients	CAS Number	OSHA PEL/TWA	ACGIH TLV
Acetone	67-64-1	1000 ppm	500 ppm
Hexane	110-54-3	500 ppm	50 ppm
Solvent Naphtha, light	64742-89-8	100 ppm	100 ppm
Toluene	108-88-3	200 ppm	50 ppm

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	133 - 232 ?F/ 56 - 111 ?C	**Vapor Density:**	Heavier than air.
Specific Gravity / Density:	0.818/ 6.81 lbs/gal	**Percent Volatiles by weight:**	75 - 80 %
Evaporation Rate:	Slower than ethyl ether.	**Physical State:**	Liquid

Melting Point:	-139.0 ?F / -95.0 ?C	**pH:**	Neutral
Odor:	Sharp, aromatic odor.	**Solubility:**	Insoluble in water.
Vapor Pressure:	180 mmHg @ 68 ?F / 20 ?C (Acetone)	**Appearance:**	Green Liquid
Octanol/Water Partition	Unknown	**VOC (material):**	4.08 to 3.90 lbs/gal

SECTION 10. STABILITY AND REACTIVITY

Hazardous Polymerization: Product will not undergo hazardous polymerization.
Hazardous Decomposition: May form: carbon dioxide, carbon monoxide, phenols and various hydrocarbons.
Chemical Stability: Stable under normal handling conditions.
Incompatibility: Avoid contact in uncontrolled conditions with: strong oxidizing agents, strong alkalis and strong acids.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity Data:

Ingredient	CAS #	LD_{50} Oral-Rat	LC_{50} Inhalation-Rat
Toluene	108-88-3	5,000 mg/kg	N/E
Acetone	67-64-1	5,800 mg/kg	50,100 mg/m^3/8H
Hexane	110-54-3	28,710 mg/kg	N/E

Carcinogenicity: See Cancer Information, Section 3.
Mutagenicity: No significant evidence found.
Teratogenicity: Possible birth defects hazard. Toluene may be harmful to the human fetus based on positive results with laboratory animals. Animal tests show that Hexane possibly causes toxic effects upon human reproduction.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: This material should not be released to sewage, draining systems or any body of water exceeding concentrations of approved limits under applicable regulations and permits.

SECTION 13. DISPOSAL CONSIDERATION

RCRA Hazardous Waste: This material as supplied, if discarded,

would be regulated as a hazardous waste under RCRA (40 CFR 261). Dispose of in accordance with applicable federal, state, and local regulations.

RCRA Hazard Class: This material would be regulated as EPA Hazardous Waste Number D001 based on the characteristic of ignitablity. This product contains a small amount of chromium which must be considered during disposal, EPA D007.

SECTION 14. TRANSPORT INFORMATION

DOT Description: The DOT Classification for shipping is dependant on quantity, type of packaging or method of shipment.

SECTION 15. REGULATORY INFORMATION

US Federal Regulations

TSCA (Toxic Substances Control Act) Status

TSCA (USA) The intentional ingredients of this product are listed.

CERCLA RQ - 40 CFR 302.4(a)

Component	RQ (lbs.)
Toluene	1000
Hexane	5000
Acetone	5000

SARA Title III: Section 302- Extremely Hazardous Substances
None

SARA Title III: Section 313- Toxic Chemical List

Component	CAS Number	Percentage
Toluene	100-42-5	15 - 20 %
Hexane	110-54-3	5 – 10 %

International Regulations

EINECS (Europe) The intentional ingredients of this product are listed.

DSL (Canada) The intentional ingredients of this product are listed.

WHMIS Classification

Health Hazard: D2A, D2B (Other Toxic Effects)

Physical Hazard: B2 (Flammable)

State and Local Regulations

California Proposition 65:

This product contains the following chemical(s) known to the state of California to cause cancer. BENZENE.

This product contains the following chemical(s) known to the state of California to cause birth defects or reproductive harm. BENZENE, TOLUENE

SECTION 16. OTHER INFORMATION

HMIS Rating: Health – 2*, Flammability - 4, Reactivity - 0
Key- 0=Least, 1=Slight, 2=Moderate, 3=Serious, 4=Extreme, *=Chronic Effects

Additional Information may be obtained by calling the Evercoat MSDS Hotline at 1-800-729-7600.

NOTICE: The information accumulated herein is believed to be correct as of the date issued from sources, which are believed to be accurate and reliable. Since it is not possible to anticipate all circumstances of use, recipients are advised to confirm, in advance of need, that the information is current, applicable and suitable to their circumstances.

MATERIAL SAFETY DATA SHEET

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Material Identity

Product Name: Cleaning Solvent
Product Numbers: 100618B and 100668B
Product Use: Cleaning Solvent

Company

Fibre Glass-Evercoat
a Division of Illinois Tool Works Inc.
6600 Cornell Road
Cincinnati, Ohio USA
Phone: 513-489-7600

Packaged By:
Rocket Plastics Co.
P.O. Box 429514
Montgomery, Ohio USA 45242

Emergency Telephone Numbers:

CHEMTREC: 1-800-424-9300
CANUTEC: 1-613-996-6666

Prepared By: Safety Department

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	EINECS Number	% (by weight)
Methoxy 2-propyl Acetate	108-65-6	203-603-9	100 %

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

SECTION 3. HAZARDS IDENTIFICATION

*****EMERGENCY OVERVIEW*****

WARNING! COMBUSTIBLE LIQUID AND VAPOR. VAPOR HARMFUL. HARMFUL IF SWALLOWED.

Potential Health Effects

Acute Effects (Short Term):

Eye: Contact with liquid or vapor may result in irritation, redness, tearing, and blurred vision.

Skin: May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns.

Swallowing: Ingestion of this material may cause gastrointestinal irritation, nausea, diarrhea, and vomiting. Aspiration of this material into the

lungs due to vomiting may produce chemical pneumonitis which can be fatal.

Inhalation: Excessive inhalation of vapors may cause nasal and respiratory irritation, acute nervous system depression, fatigue, weakness, nausea, headache, and dizziness. Symptoms usually occur at air concentrations higher than the recommended exposure limits (See Section 8).

Chronic Effects of Overexposure (Long Term):

Methoxy 2-propyl Acetate: Overexposure to this material has been suggested as a cause of the following effects in laboratory animals: mild, reversible liver effects, mild, reversible kidney effects, nasal damage.

Cancer Information: This product does not contain any substance, which is listed as a carcinogen by NTP, IARC or OSHA in quantities greater than 0.1%.

Other Health Effects: NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Primary Route(s) of Entry: Inhalation, Skin contact, Eye contact, Ingestion, Skin absorption.

SECTION 4. FIRST AID MEASURES

Eyes: Flush eyes gently with water for at least 15 minutes. Seek immediate medical attention.

Skin: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Swallowing: Consult a physician or poison control center immediately. DO NOT INDUCE VOMITING. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. If possible, do not leave individual unattended.

Inhalation: If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial

respiration. If breathing is difficult, oxygen may be benificial if administered by trained personnel.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point: 114 ºF (45.5 ºC)
Explosive Limit: **Lower:** 1.5% **Upper:** 7.0%
Autoignition Temperature: 670.0 ºF (354.0 ºC)
OSHA Flammability Class: Combustible Liquid – Class II

Hazardous Products of Combustion: May form toxic and corrosive gases: carbon dioxide, carbon monoxide and various hydrocarbons.

Fire and Explosion Hazards: Vapors are heavier than air and may travel along the ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point.

Extinguishing Media: Regular foam, carbon dioxide, dry chemical.

Fire Fighting Instructions: Water may be used to keep fire-exposed containers cool until fire is out. Wear a self-contained breathing apparatus NIOSH approved with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

NFPA Rating: Health - 0, Flammability - 2, Reactivity - 0

SECTION 6. ACCIDENTAL RELEASE MEASURES

In Case of Spill: Eliminate all sources of ignition such as flares, flames (including pilot lights), and electrical sparks. Ventilate the area. Wear proper protective equipment (Section 8). Avoid breathing vapors. Collect with an inert absorbant and dispose of properly.

SECTION 7. HANDLING AND STORAGE

Handling: All hazard precautions given in the data sheet must be observed. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use only with adequate ventilation. Do not breathe vapors or spray mist. Do not take internally. Close container after each use. **Keep out of reach of children.**

Storage: Store material in a cool, well-ventilated area. For maximum product quality, avoid prolonged storage at temperatures above 75?F (25?C). Do not use or store near heat, sparks, or open flame. Keep container tightly closed. Avoid contact with incompatible materials.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Chemical splash goggles in compliance with OSHA regulations are recommended.

Skin Protection: Protective gloves and proper clothing should be worn to prevent skin contact. Gloves should be made of neoprene or natural rubber. A barrier cream may be used for additional skin protection. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Respiratory Protection: Use a NIOSH approved respirator designed to remove particulate matter and organic solvent vapors.

Engineering Controls: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below acceptable limits. Explosion-proof ventilation system is acceptable.

Exposure Guidelines: None Established.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	284 - 302 ?F/ 140 - 150 ?C	**Vapor Density:**	Heavier than air.
Specific Gravity / Density:	0.969/ 8.08 lbs/gal	**Percent Volatiles by weight:**	100 %
Evaporation Rate:	Slower than ethyl ether.	**Physical State:**	Liquid
Melting Point:	Not Available	**pH:**	Neutral
Odor:	Sharp, aromatic odor.	**Solubility:**	19.8g/100ml
Vapor Pressure:	3.7 mmHg @ 68 ?F / 20 ?C	**Appearance:**	Clear Liquid

Octanol/Water Partition Coefficient:	3.6	**VOC (as packaged-less exempts and water):**	8.08 lbs/gal or 969 g/L

SECTION 10. STABILITY AND REACTIVITY

Hazardous Polymerization: Product will not undergo hazardous polymerization.
Hazardous Decomposition: May form: carbon dioxide, carbon monoxide and various hydrocarbons.
Chemical Stability: Stable under normal handling conditions.
Incompatibility: Avoid contact in uncontrolled conditions with: strong oxidizing agents.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity Data: No data found.
Carcinogenicity: See Cancer Information, Section 3.
Mutagenicity: No significant evidence found.
Teratogenicity: No significant evidence found.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: This material should not be released to sewage, draining systems or any body of water exceeding concentrations of approved limits under applicable regulations and permits.

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US Federal Regulations

TSCA (Toxic Substances Control Act) Status
TSCA (USA) The intentional ingredients of this product are listed.
CERCLA RQ - 40 CFR 302.4(a)
None

SARA Title III: Section 302- Extremely Hazardous Substances
None
SARA Title III: Section 313- Toxic Chemical List
None

International Regulations

EINECS (Europe) The intentional ingredients of this product are listed.
DSL (Canada) The intentional ingredients of this product are listed.

WHMIS Classification

Health Hazard: D2B (Other Toxic Effects)
Physical Hazard: B3 (Combustible)

State and Local Regulations

California Proposition 65:
This product contains the following chemical(s) known to the state of California to cause cancer. NONE
This product contains the following chemical(s) known to the state of California to cause birth defects or reproductive harm. NONE

SECTION 16. OTHER INFORMATION

HMIS Rating: Health – 1, Flammability - 2, Reactivity - 0
Key- 0=Least, 1=Slight, 2=Moderate, 3=Serious, 4=Extreme, *=Chronic Effects

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