Masterchem Industries LLC

View MSDS : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name:	**KILZ® Low VOC (High Solids)**
MSDS Manufacturer Number:	1003
Manufacturer Name:	Masterchem Industries LLC
Address:	3135 Old Highway M Imperial, MO 63052-2834
General Phone Number:	(636) 942-2510
General Fax Number:	(636) 942-3663
Customer Service Phone Number:	(800) 325-3552
CHEMTREC:	For emergencies in the US, call CHEMTREC: 800-424-9300
Canutec:	In Canada, call CANUTEC: (613) 996-6666 (call collect)
MSDS Creation Date:	06/26/2006
MSDS Revision Date:	05/09/2007

NFPA

2
1 0
NA

HMIS

Health Hazard	1
Fire Hazard	2
REACTIVITY	1
Personal Protection	x

* **Chronic Health Effects:**

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent
Titanium dioxide	13463-67-7	5 - 10 by Weight
Silicate, mica	12001-26-2	1 - 5 by Weight
Talc, Magnesium silicate hydrate	14807-96-6	1 - 5 by Weight
Petroleum hydrocarbon distillates	8052-41-3	1-5 by Weight
Nonane, all isomers	No data	1 - 5 by Weight
Hydrotreated heavy petroleum naphtha	64742-48-9	1 - 5 by Weight
Mineral spirits	8052-41-3	1 - 5 by Weight
Heavy Hydrotreated Naphtha (Petroleum)	64742-48-9	1-5 by Weight
Nonane, all isomers	Mixture	1-5 by Weight
Non-hazardous ingredients		10-30 by Weight
Rutile	1317-80-2	1 - 5 by Weight
Non-hazardous ingredients	N/A	10 - 30 by Weight
Nepheline Syenite	37244-96-5	10 - 30 by Weight
Carbonic acid calcium salt	471-34-1	10 - 30 by Weight
Distillates (petroleum), hydrotreated light; Kerosine - unspecified	64742-47-8	10 - 30 by Weight
Light Hydrotreated Distillate (Petroleum)	64742-47-8	10-30 by Weight

Palygorskite	12174-11-7	0.1 - 1 by Weight

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview:	Combustible. Irritant.
Potential Health Effects:	
Eye:	May cause irritation.
Skin:	May cause irritation.
Inhalation:	Prolonged or excessive inhalation may cause respiratory tract irritation.
Ingestion:	Harmful if swallowed. Ingestion can cause nausea, vomiting, diarrhea and gastrointestinal irritation.
Chronic Health Effects:	Prolonged or repeated contact can result in defatting and drying of the skin, which may result in skin irritation and dermatitis (rash). Repeated or prolonged inhalation may cause toxic effects.
Signs/Symptoms:	Overexposure can cause headaches, dizziness, nausea, and vomiting.
Target Organs:	Eyes. Skin. Respiratory system. Digestive system. Central nervous system. Kidney.
Aggravation of Pre-Existing Conditions:	May aggravate pre-existing respiratory disorders, allergy, eczema, or skin conditions.

SECTION 4 - FIRST AID MEASURES

Eye Contact:	Immediately flush eyes with plenty of water for 15 to 20 minutes. Get medical attention, if irritation or symptoms of overexposure persists.
Skin Contact:	Immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion:	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
Other First Aid:	Due to possible aspiration into the lungs, DO NOT induce vomiting if ingested. Provide a glass of water to dilute the material in the stomach. If vomiting occurs naturally, have the person lean forward to reduce the risk of aspiration.

SECTION 5 - FIRE FIGHTING MEASURES

Flammable Properties:	Combustible liquid.
Flash Point:	105°F (41.6°C)
Flash Point Method:	PMCC
Lower Flammable/Explosive Limit:	1%
Upper Flammable/Explosive Limit:	7%
Fire Fighting Instructions:	Combustible. Cool fire-exposed containers using water spray.
Extinguishing Media:	Use alcohol foam, carbon dioxide, dry chemical, or water fog or spray when fighting fires involving this material.
Protective Equipment:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Unusual Fire Hazards:	Combustible liquid. At elevated temperatures, vapors can form an ignitable mixture with air. Vapors can flow along surfaces to distant ignition sources and flash back.

NFPA Ratings:

NFPA Flammability:	2
NFPA Health:	1
NFPA Reactivity:	0
NFPA Other:	NA

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spill Cleanup Measures:	Remove all sources of ignition. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Provide ventilation. Collect spill with a non-sparking tool. Place into a suitable container for disposal.
Personnel Precautions:	Use proper personal protective equipment as listed in section 8.
Environmental Precautions:	Avoid runoff into storm sewers, ditches, and waterways.

SECTION 7 - HANDLING and STORAGE

Handling:	Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing. Material will accumulate static charges which may cause an electrical spark (ignition source). Use proper grounding procedures.
Storage:	Store in a cool, dry, well ventilated area away from sources of heat, combustible materials, and incompatible substances. Keep container tightly closed when not in use.
Work Practices:	To reduce potential for static discharge, bond and ground containers when transferring material.
Special Handling Procedures:	Do not reuse containers without proper cleaning or reconditioning.
Hygiene Practices:	Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.
Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.
Skin Protection Description:	Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.
Respiratory Protection:	A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.
Other Protective:	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

EXPOSURE GUIDELINES

Titanium dioxide :

Guideline ACGIH:	TLV-TWA: 10 mg/m3
Guideline OSHA:	OSHA-TWA: 15 mg/m3

Silicate, mica :

Guideline ACGIH:	TLV-TWA: 3 mg/m3 (Respirable)
Guideline OSHA:	OSHA-TWA: 20 mg/m3

Talc, Magnesium silicate hydrate :

Guideline ACGIH:	TLV-TWA: 2 mg/m3 (Respirable)
Guideline OSHA:	OSHA-TWA: 20 mg/m3

Petroleum hydrocarbon distillates :

Guideline ACGIH:	TLV-TWA: 100 ppm
Guideline OSHA:	OSHA-TWA: 500 ppm

Mineral spirits :

Guideline ACGIH:	TLV-TWA: 100 ppm
Guideline OSHA:	OSHA-TWA: 500 ppm

Carbonic acid calcium salt :

Guideline ACGIH:	TLV-TWA: 5 mg/m3 (Respirable)
Guideline OSHA:	OSHA-TWA: 5 mg/m3 Respirable

Distillates (petroleum), hydrotreated light; Kerosine - unspecified :

Guideline ACGIH:	TLV-TWA: 200 mg/m3 (Negligible aerosol exposures)

Light Hydrotreated Distillate (Petroleum) :

Guideline ACGIH:	TLV-TWA: 200 mg/m3 (Negligible aerosol exposures)

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

Physical State Appearance:	Liquid
Color:	Clear
Boiling Point:	No Data
Melting Point:	No Data
Density:	12 - 14 Lbs./gal.
Vapor Density:	Greater than 1 (Air = 1)
pH:	No Data
Molecular Formula:	Mixture
Molecular Weight:	Mixture
Flash Point:	105°F (41.6°C)
Flash Point Method:	PMCC

SECTION 10 - STABILITY and REACTIVITY

Chemical Stability:	Stable under normal temperatures and pressures.
Hazardous Polymerization:	Not reported.
Conditions to Avoid:	Heat, flames, ignition sources, and sparks. Incompatible materials. Freezing or temperatures below 32 deg. F.
Incompatible Materials:	Oxidizing agents. Strong acids and alkalis.

SECTION 11 - TOXICOLOGICAL INFORMATION

Titanium dioxide :

RTECS Number:	XR2275000
Skin:	Skin - Rabbit; Standard Draize Test : 300 ug/3D; (Intermittent) mild. (RTECS)
Ingestion:	Ingestion - Rat TDLo: 60 gm/kg; Gastrointestinal - hypermotility, diarrhea Gastrointestinal - other changes. (RTECS)
Carcinogenicity:	IARC: Group 2B: Possibly carcinogenic to humans
RTECS Number:	VV8760000

Talc, Magnesium silicate hydrate :

RTECS Number:	WW2710000
Carcinogenicity:	IARC: Group 3: Unclassifiable as to carcinogenicity to humans

Petroleum hydrocarbon distillates :

Eye:	Eye - Rabbit; Standard Draize Test : 500 mg/24H; Moderate. (RTECS)
Inhalation:	Inhalation - Rat LCLo: 8200 mg/m3/8H; Behavioral - tremor Inhalation - Rat LC: >5500 mg/m3/4H; Behavioral - somnolence (general depressed activity) (RTECS)
Ingestion:	Ingestion - Rat LD: >5 gm/kg; Behavioral - somnolence (general depressed activity) (RTECS)

Mineral spirits :

RTECS Number:	WJ8925000
Eye:	Eye - Rabbit; Standard Draize Test : 500 mg/24H; Moderate. (RTECS)
Inhalation:	Inhalation - Rat LCLo: 8200 mg/m3/8H; Behavioral - tremor Inhalation - Rat LC: >5500 mg/m3/4H; Behavioral - somnolence (general depressed activity) (RTECS)
Ingestion:	Ingestion - Rat LD: >5 gm/kg; Behavioral - somnolence (general depressed activity) (RTECS)

RTECS Number:	VM2940000
RTECS Number:	FF9335000
RTECS Number:	OA5504000

Palygorskite :

RTECS Number:	RT6400000
Carcinogenicity:	IARC: Group 2B: Possibly carcinogenic to humans

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:	No ecotoxicity data was found for the product.
Environmental Fate:	No environmental information found for this product.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal:	Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.
Important Disposal Information:	DANGER! Rags, steel wool and waste soaked with this product may spontaneously catch fire if improperly discarded or stored. To avoid a spontaneous combustion fire, immediately after use, place rags, steel wool or waste in a sealed, water-filled, metal container. Do not store unused product inside the home. For disposal guidance, contact your household refuse collection service, fire department, county or state government environmental control agency.

SECTION 14 - TRANSPORT INFORMATION

DOT Shipping Name:	Paint.
DOT UN Number:	UN1263
DOT Hazard Class:	3
DOT Packing Group:	III

SECTION 15 - REGULATORY INFORMATION

Titanium dioxide :

TSCA Inventory Status:	Listed
State Regulations:	Listed in the New Jersey State Right to Know List. Listed in the Pennsylvania State Hazardous Substances List.
Canada DSL:	Listed

Silicate, mica :

TSCA Inventory Status:	Not listed
State Regulations:	Listed in the New Jersey State Right to Know List. Listed in the Pennsylvania State Hazardous Substances List.
Canada DSL:	Listed

Talc, Magnesium silicate hydrate :

TSCA Inventory Status:	Listed
State Regulations:	Listed in the New Jersey State Right to Know List. Listed in the Pennsylvania State Hazardous Substances List.
Canada DSL:	Listed

Petroleum hydrocarbon distillates :

TSCA Inventory Status:	Listed
State Regulations:	Listed in the New Jersey State Right to Know List. Listed in the Pennsylvania State Hazardous Substances List.
Canada DSL:	Listed

Hydrotreated heavy petroleum naphtha :

TSCA Inventory Status:	Listed
Canada DSL:	Listed

Mineral spirits :

TSCA Inventory Status:	Listed
State Regulations:	Listed in the New Jersey State Right to Know List. Listed in the Pennsylvania State Hazardous Substances List.
Canada DSL:	Listed

Heavy Hydrotreated Naphtha (Petroleum) :

TSCA Inventory Status:	Listed
Canada DSL:	Listed

Non-hazardous ingredients :

TSCA Inventory Status:	Contains calcium carbonate (CAS:1317-65-3), which is listed in the TSCA inventory.

Rutile :

TSCA Inventory Status:	Listed
State Regulations:	Listed in the Pennsylvania State Hazardous Substances List.
Canada DSL:	Listed

Nepheline Syenite :

TSCA Inventory Status:	Not listed
Canada DSL:	Listed

Carbonic acid calcium salt :

Canada DSL:	Listed

Distillates (petroleum), hydrotreated light; Kerosine - unspecified :

TSCA Inventory Status:	Listed
Canada DSL:	Listed

Light Hydrotreated Distillate (Petroleum) :

TSCA Inventory Status:	Listed
Canada DSL:	Listed

Palygorskite :

TSCA Inventory Status:	Not listed
Canada DSL:	Not listed

SECTION 16 - ADDITIONAL INFORMATION

HMIS Fire Hazard:	2
HMIS Health Hazard:	1
HMIS Reactivity:	1
HMIS Personal Protection:	x
MSDS Creation Date:	06/26/2006
MSDS Revision Date:	05/09/2007
MSDS Revision Notes:	Quarterly and format update
MSDS Author:	Actio Corporation
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