Material Safety Data Sheet

For Coatings, Resins and Related Materials

NOTE: CHEMTREC, CANUTEC and National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals

24 Hour Emergency: 1-800-123-4567 CHEMTREC: 1-800-424-9300
National Response in Canada CANUTEC: 613-996-6666
Outside U.S. and Canada Chemtrec: 202-483-7616

Section 1 - Chemical Product / Company Information

Product Name:	AEROSOL DEFTHANE SATIN	Revision Date:	12/13/2005
Identification Number:	23X39	Print Date:	5/09/06
Product Use/Class:	POLYURETHANE		
Manufacturer:	Deft, Inc. (CAGE CODE 33461) 17451 Von Karman Ave Irvine, Ca. 92614	Information Phone: Emergency Phone:	(949) 474-0400 (800) 424-9300

Section 2 - Hazards Identification

*** Emergency Overview ***: Flammable liquid and vapors. Harmful by inhalation, in contact with skin, and if swallowed. Amber liquid in aerosol container. Effects the central nervous system. Contact with eyes or skin causes irritation.

Effects Of Overexposure - Eye Contact: Direct eye contact may cause irritation. Damage may occur to the cornea or lens of the eye. Exposure to liquid, aerosol, or vapors may cause irritation, tearing, redness, and swelling accompanied by a stinging sensation.

Effects Of Overexposure - Skin Contact: Prolonged and repeated skin contact may cause dermatitis, drying, and defatting due to the solvent properties. Symptoms may include swelling, redness, and rash. Direct skin contact may cause irritation.

Effects Of Overexposure - Inhalation: Respiratory depression, failure, or death may result from overexposure. Inhalation may cause irritation to the respiratory tract (nose, mouth, mucous membranes) & acute nervous system depression characterized by the following progressive steps: headache, dizziness, staggering gait, confusion, unconsciousness, or coma. Exposure may cause coughing. Inhalation may cause headaches, difficult breathing, and loss of consciousness.

Effects Of Overexposure - Ingestion: Ingestion may cause gastrointestinal irritation, abdominal pain, nausea, vomiting and diarrhea. Ingestion may cause a burning sensation in the mouth and esophagus. Vomiting may cause aspiration of the solvent, resulting in chemical pneumonitis. May result in possible corrosive action in the mouth, stomach tissue and digestive tract. Harmful or fatal if swallowed. Ingestion causes damage to the central nervous system. It may include, acute nervous system depression, which is characterized by the following progressive steps: headache, dizziness, staggering gait, confusion, drowsiness, unconsciousness, or coma.

Effects Of Overexposure - Chronic Hazards: Prolonged contact will cause drying and cracking of the skin, due to defatting action. Skin sensitization, asthma or other allergic responses may develop. Listed as a Carcinogen: NTP? : No, IARC Monographs? : No, OSHA regulated? : No. A component has been shown to cause blood abnormalities, lower activity of certain immune system cells, effects the hearing, mild reversible liver effects, central nervous damage, and cataracts in laboratory animals.

Primary Route(s) Of Entry: Skin Contact, Skin Absorption, Inhalation, Ingestion, Eye Contact

Section 3 - Composition / Information On Ingredients

Component	CAS Number	Weight % Reporting Ranges
ISOBUTANE/PROPANE	68476-86-8	15-40
ACETONE	67-64-1	10-30
MINERAL SPIRITS	8052-41-3	10-30
METHYL n-PROPYL KETONE	107-87-9	7-13
VM & P NAPHTHA	64742-89-8	1-5
AROMATIC HYDROCARBON	64742-95-6	1-5
PAINT DRIER	22464-99-9	0.1-1.0
ANTI-SKIN AGENT	96-29-7	0.0-0.1

THE ABOVE LISTED PRODUCTS ARE ON THE TSCA INVENTORY LIST. ALSO ANY UNLISTED INGREDIENTS.

Section 4 - First Aid Measures

First Aid - Eye Contact: If material gets into eyes, flush with water immediately for 20 minutes. Hold eyelids open to rinse out the entire eye. Consult a physician. If eyes are irritated from airborne exposure, move to fresh air.

First Aid - Skin Contact: In case of contact, immediately flush skin with plenty of water and wash affected areas thoroughly with soap and water. Remove contaminated clothing and shoes. If rash or irritation develops, consult a physician.

First Aid - Inhalation: Asthmatic type symptoms may develop and maybe immediate or delayed by several hours. In the case of inhalation of aerosol/mist call 911 immediately. Move to fresh air in case of accidental inhalation of vapors. Give oxygen or artificial respiration if needed.

First Aid - Ingestion: Do not induce vomiting. Do not give anything to an unconscious person. Obtain medical help.

Section 5 - Fire Fighting Measures

Flash Point (°F): Below 20 TCC LOWER EXPLOSIVE LIMIT (%): 0.9 UPPER EXPLOSIVE LIMIT (%): 12.

Extinguishing Media: Alcohol Foam, Carbon Dioxide, Dry Chemical, Foam, Water Fog, Water Spray, Dry Sand

Unusual Fire And Explosion Hazards: Toxic gases may form when product burns. Application to hot surfaces requires special precautions. Isolate from heat, sparks, electrical equipment and open flame. Keep containers tightly closed. Vapors can form an ignitable mixture with air. Vapors can flow along surfaces to a distant ignition source and flashback. Fire or intense heat may cause violent rupture of packages. Do not use a cutting or welding torch near or on a drum of product, because vapors can ignite explosively, even if the drum is empty and contains only product residue. Fire may ensue when product comes in contact with strong oxidizers. Remove all sources of ignition.

Special Firefighting Procedures: In the event of fire, wear self-contained breathing apparatus. Flammable. Cool fire-exposed containers using water spray. Firefighters should wear full protective clothing.

Section 6 – Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Dike to prevent entering any sewer or waterway. Evacuate all non-essential personnel. Remove all sources of ignition. Ventilate area. Contain and remove spilled material with inert absorbent and non-sparking tools. Use personal protective equipment as necessary.

Section 7 - Handling and Storage

Handling: Protect container against physical damage. Do not drill, solder, pressurize, grind, cut, weld, or braze empty container. Do not expose empty container to static electricity, heat, flame, sparks, or any source of ignition. Use only in ventilated areas. Always use grounding leads when transferring from one container to another. Handle in accordance with good industrial hygiene and safety practice. Keep away from heat and sources of ignition.

Storage: Avoid storing near high temperatures, fire, open flames, and spark sources. Keep containers upright to prevent leakage and tightly closed in a dry, cool and well-ventilated place. Do not store with oxidizers. Store in buildings designed to comply with OSHA 1910.106.

Section 8 - Exposure Controls / Personal Protection

Component	ACGIH TLV	ACGIH STEL	OSHA PEL	OSHA STEL
ISOBUTANE/PROPANE	1000 ppm	N.E.	1000 ppm	N.E.
ACETONE	500 ppm	750 ppm	750 ppm	1000 ppm
MINERAL SPIRITS	100 ppm	N.E.	500 ppm	N.E.
METHYL n-PROPYL KETONE	200 ppm	250 ppm	200 ppm	250 ppm
VM & P NAPHTHA	300 ppm	N.E.	300 ppm	400 ppm
AROMATIC HYDROCARBON	100 ppm	N.E.	N.E.	N.E.
PAINT DRIER	N.E.	N.E.	N.E.	N.E.
ANTI-SKIN AGENT	N.E.	N.E.	N.E.	N.E.

Notes

METHYL n-PROPYL KETONE CAS# 107-87-9 has been shown to cause harm to the fetus in laboratory animals. It only caused harm at levels of overexposure that would also harm the pregnant animal. The relevance to humans is unknown. It also has been shown to cause mild, reversible kidney effects and mild, reversible liver effects in laboratory animals.

PAINT DRIER CAS# 22464-99-9 - OSHA 29 CFR 1910.1000, Table Z-1 lists Zirconium Compounds (as Zr). ACGIH TWA/TLV 5 mg/m3; TLV/STEL 10 mg/m3

Engineering Controls: Local ventilation of emission sources may be necessary to maintain ambient concentrations below permissible OSHA exposure limits. Remove all ignition sources (heat, sparks, flame, and hot surfaces).

Respiratory Protection: A respirator that is recommended or approved for use in an organic vapor environment (air purifying or fresh air supplied) is necessary. Observe OSHA regulations for respirator use. Ventilation should be provided to keep exposure levels below the OSHA permissible limits.
Skin Protection: Chemical-resistant gloves (neoprene, natural rubber) should be used to prevent skin contact.
Eye Protection: Wear safety eyewear (safety glasses, safety glasses with side-shields, chemical goggles, or face shields) to prevent eye contact.
Other protective equipment: Long sleeve and long leg clothing is recommended. Remove and wash contaminated clothing before reuse or discard.
Hygienic Practices: Wash hands before breaks, eating, smoking, and at the end of the workday.

Section 9 - Physical and Chemical Properties

Boiling Range (°F):	N.D. - 396	Vapor Density:	Heavier than air
Odor:	N.A.	Odor Threshold:	N.D.
Appearance:	Amber liquid	Evaporation Rate:	1.46 x n-Butyl Acetate
Solubility in H2O:	Insoluble		
Freeze Point:	N.D.	Specific Gravity:	0.725
Vapor Pressure:	N.D.	PH:	N.A.
Physical State:	Liquid in aerosol container	Viscosity:	Thin liquid to heavy viscous material

(See section 16 for abbreviation legend)

Section 10 - Stability and Reactivity

Conditions To Avoid: Avoid high temperatures, sparks, or open flames. Do not breathe vapors or spray mist.
Incompatibility: Material is incompatible with strong oxidizers, reducing agents, strong acids, chromic anhydride, chromyl alcohol, hexachloromelamine, and hydrogen peroxide. Also, incompatible with permonosulfuric acid, chloroform, alkalis, chlorine compounds, potassium t-butoxide, and thioglycol.
Hazardous Decomposition: Thermal decomposition can lead to the generation and release of gases and vapors including carbon monoxide, carbon dioxide, oxides of nitrogen, and hydrocarbons.
Hazardous Polymerization: Will not occur.
Stability: Stable under recommended storage conditions.

Section 11 - Toxicological Information

Product LD50: N.E. Product LC50: N.E.

Section 12 - Ecological Information

Ecological Information: No Information.

Section 13 - Disposal Information

Disposal Information: Hazardous Waste Characteristics: Ignitability and Reactivity. EPA Hazardous Waste Number/Code: D001, F003, F005. Empty containers will contain product residue and flammable vapors. Handle as hazardous material. Do not incinerate closed containers. Dispose of waste in accordance with federal, state, and local environmental regulations.

Section 14 - Transportation Information

DOT Proper Shipping Name:	Consumer Commodity	Packing Group:	N.A.
DOT Technical Name:	N.A.	Hazard Subclass:	N.A.
DOT Hazard Class:	ORM-D/Aerosol	Resp. Guide Page:	N.A.
DOT UN/NA Number:	N.A.		

Section 15 - Regulatory Information

CERCLA – SARA Hazard Category
This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories: IMMEDIATE HEALTH HAZARD, CHRONIC HEALTH HAZARD, FIRE HAZARD

SARA Section 313:
This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

Component	CAS Number	Percent By Weight
PAINT DRIER	22464-99-9	0.14

Toxic Substances Control Act:
This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

Component	CAS Number
METHYL ISOBUTYL KETONE	108-10-1
SOLVENT - NJTSR # 56705700001-5127P	TRADE SECRET

U.S. State Regulations: As follows –
New Jersey Right-to-Know:
The following materials are non-hazardous, but are among the top five components in this product.

Component	CAS Number
ALKYD RESIN	TRADE SECRET

Pennsylvania Right-to-Know:
The following non-hazardous ingredients are present in the product at greater than 3%.

Component	CAS Number
ALKYD RESIN	TRADE SECRET

California Proposition 65:
Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

Component	CAS Number
ETHYL BENZENE	100-41-4
BENZENE	71-43-2
ETHYL BENZENE	100-41-4
NAPTHALENE	91-20-3
BENZENE	71-43-2

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

Component	CAS Number
BENZENE	71-43-2
TOLUENE	108-88-3
BENZENE	71-43-2

International Regulations: As follows –
CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.
CANADIAN WHMIS CLASS: N.A.

Section 16 - Other Information

HMIS Ratings:

Health: 3	Flammability: 4	Reactivity: 1	Personal Protection: I

VOLATILE ORGANIC COMPOUNDS, GR/LTR: 541.1
VOLATILE ORGANIC COMPOUNDS, LB/GAL: 4.5
VOLATILE ORGANIC COMPOUNDS MIXED, GR/LTR: <= N.D.
VOLATILE ORGANIC COMPOUNDS MIXED, LB/GAL: <= N.D.
REASON FOR REVISION: New Computer System. Information in Sections 2, 3, 4, 5, 6, 7, 8, 10, 14, and 15 have been updated.
REGULATORY CODE: 23X39
LAYOUT CODE: A2004R
Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined
The information contained on this MSDS has been checked and should be accurate. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.