367754

MATERIAL SAFETY DATA SHEET

Printed : 01/14/04

For Coatings, Resins and Related Materials

Revised : 12/06/01

SECTION I - PRODUCT INDENTIFICATION

Manufacturer: DEFT, INC. (CAGE CODE 33461)
17451 VON KARMAN AVENUE
IRVINE CA
92614

Information Phone: (949) 474-0400
Emergency Phone: (800) 424-9300
CHEMTREC Phone: 800-424-9300

Hazard Ratings: Health - 3
none -> extreme Fire - 4
0 ---> 4 Reactivity - 1

Product Class: POLYURETHANE
Trade Name : AEROSOL DEFTHANE SATIN
Product Code : 026-13
C.A.S. Number:

SECTION II - HAZARDOUS INGREDIENTS

Ingredients	CAS #	Weight %	ACGIH TLV	ACGIH STEL	OSHA PEL	OSHA STEL	VP mm HG
ALKYD RESIN	68131-39-5	15.					
MINERAL SPIRITS	64742-88-7	15.	N.E.	N.E.	N.E.	N.E.	2 @ 68F
	NIOSH recommends a limit of 350 mg/m3 - 8 ours TWA, and 1800 mg/m3 as determined by a 15 minute sample.						
PAINT DRIER	61789-51-3	< 0.1	N.E.	N.E.	N.E.	N.E.	
PAINT DRIER	61788-57-6	< 0.1	N.E.	N.E.	N.E.	N.E.	
PAINT DRIER	22464-99-9	< 1.	N.E.	N.E.	N.E.	N.E.	
	OSHA 29 CFR 1910.1000, Table Z-1 lists Zirconium Compounds (as Zr). ACGIH TWA/TLV 5mg/m3; TLV/STEL 10mg/m3.						
ANTI-SKIN AGENT	96-29-7	< 0.1	N.E.	N.E.	N.E.	N.E.	
VM&P NAPHTHA - EC	64742-89-8	< 5.	300 ppm	N.E.	300 ppm	400 ppm	26 @100F
METHYL n-PROPYL KETONE	107-87-9	10.	200 ppm	250 ppm	200 ppm	250 ppm	27.8 @ 68F
METHYL ISOBUTYL KETONE	108-10-1	< 1.	50 ppm	75 ppm	50 ppm	75 ppm	15 @ 68F
ACETONE	67-64-1	20.	750 ppm	1000ppm	750 ppm	1000 ppm	186 @ 60F
ISOBUTANE/PROPANE	68476-85-7	20.	1000ppm	N.E.	N.E.	N.E.	71 @ 70F

THE ABOVE LISTED PRODUCTS ARE ON THE TSCA INVENTORY LIST.

N.E. = Not Established

SECTION III - PHYSICAL DATA

Boiling Range: 25 - 396 Deg. F
Evap. Rate: 1.46 x n-Butyl Acetate
Volatiles vol % 86.0 Wgt% 66.1

Vapor Density: Heavier than Air.
Liquid Density: Same as Water.
Wgt per gallon: 8.33 Pounds.
Spec. Gravity: 1.0

Appearance: AMBER LIQUID IN AEROSOL CONTAINER
V.O.C.: 67 % MAXIMUM
SOLUBILITY IN WATER: Insoluble PH: Not applicable
AUTOIGNITION TEMPERATURE: No information found
DECOMPOSITION TEMPERATURE: No information found
CORROSION RATE: No information found
VISCOSITY: Thin liquid to heavy viscous material

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammability Class: 1A Flash Point:BELOW 20 DEG.F. F TCC LEL: 0.90% UEL:

-EXTINGUISHING MEDIA:
FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG

-SPECIAL FIREFIGHTING PROCEDURES:
Full fire fighting equipment with self-contained breathing apparatus and full protective clothing should be worn by fire fighters. Water may be used to cool closed containers to prevent pressure build-up, auto ignition or explosion.

-UNUSUAL FIRE & EXPLOSION HAZARDS:
Keep containers tightly closed. Isolate from heat, sparks, electrical equipment and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent.

SECTION V - HEALTH HAZARD DATA

-PERMISSIBLE EXPOSURE LEVEL:
SEE SECTION II, HAZARDOUS INGREDIENTS.

-EFFECTS OF OVEREXPOSURE:
INHALATION: Irritation of the respiratory tract & acute nervous system depression characterized by the following progressive steps: headache, dizziness, staggering gait, confusion, unconsciousness or coma.

SKIN AND EYE CONTACT: SKIN: Contact with the skin can cause irritation. Symptoms may be swelling, redness, and rash.
EYES: Liquid, areosols, or vapors are irritating and may cause tearing, redness, and swelling accompanied by a stinging sensation.

SKIN ABSORPTION: Prolonged or repeated contact can cause moderate irritation, drying, and defatting of the skin which can cause the skin to crack.

INGESTION: Acute: Can result in irritation and possible corrosive action in the mouth, stomach tissue and digestive tract. Vomiting may cause aspiration of the solvent, resulting in chemical pneumonitis.

HEALTH HAZARDS (ACUTE AND CHRONIC)
ACUTE: Vapors are irritating to eyes, nose, and throat. Inhalation may cause headaches, difficult breathing and loss of consciousness.
CHRONIC: Prolonged contact will cause drying and cracking of the skin, due to defatting action. Skin sensitization, asthma or other allergic responses may develop.

PRIMARY ROUTE(S) OF ENTRY:
TOPICAL (SKIN CONTACT): Yes
INGESTION (GASTRO-INTESTINAL): No
INHALATION (LUNGS): Yes

CARCINOGENICITY:
NTP?: NO, IARC MONOGRAPHS?: NO, OSHA REGULATED?: NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
Asthma and any other respiratory disorders. Skin allergies, eczema, and dermititis.

-FIRST AID:
INHALATION: Move to an area free from risk of further exposure. Restore breathing. Asthmatic type symptoms may develop and may be immediate or delayed by several hours. Obtain medical attention.

SKIN: Remove contaminated clothing. Wash affected areas thoroughly with soap and water. Wash contaminated clothing thoroughly before reuse.

EYES: Flush with clean lukewarm water (low pressure) for at least 15 minutes, occasionally lifting eyelids. Obtain medical attention.

INGESTION: Do not induce vomiting. Do not give anything to an unconscious person. Obtain medical attention.

SECTION VI - REACTIVITY DATA

STABLITY: [ ] Unstable [x] Stable
HAZARDOUS POLYMERIZATION: [ ] May occur [x] Will not occur

-INCOMPATIBILITY
STRONG OXIDIZING AGENTS.

-CONDITIONS TO AVOID:
HIGH TEMPERATURES, SPARKS, OR OPEN FLAMES.

-HAZARDOUS DECOMPOSITION PRODUCTS:
BY HIGH HEAT/TEMPERATURE: Carbon monoxide, carbon dioxide, and oxides of nitrogen.

SECTION VII - SPILL OR LEAK PROCEDURES

-STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Evacuate all non-essential personnel. Remove all sources of ignition (flame, spark sources, hot surfaces). Ventilate area Contain and remove with inert absorbent and non-sparking tools.

-WASTE DISPOSAL METHOD:
Waste must be disposed of in accordance with federal, state, and local environmental control regulations. Empty containers must be handled with care, due to product residue and flammable vapor DO NOT incinerate closed containers.
ALSO SEE SECTION IV, V, VI, FOR OTHER PRECAUTIONS.
EPA HAZARDOUS WASTE NUMBER/CODE: D001, F003, F005
HAZARDOUS WASTE CHARACTERISTICS:

IGNITABILITY	YES
CORROSIVITY	NO
REACTIVITY	YES

SECTION VIII - SPECIAL PROTECTION INFORMATION:

-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.
If TLV limits can be maintained and documented below the OSHA/ACGIH limits, an air supplied respirator may not be required. However, other OSHA/NIOSH approved respirators may be used.

-VENTILATION:
Exhaust ventilation sufficient to keep the airborne concentrations of solvent vapors or mists below their respective TLV's must be utilized. Remove all ignition sources (heat, sparks, flame, and hot surfaces).

(continued on next page)

SECTION VIII - SPECIAL PROTECTION INFORMATION: (cont.)

-PROTECTIVE GLOVES:
-PROTECTIVE GLOVES:
Protective gloves are recommended (cotton, neoprene, rubber polyethylene) to prevent skin contact.
-EYE PROTECTION:
The use of safety eyewear is recommended, including splash guards or side shields, chemical goggles or face shields.
-OTHER PROTECTIVE EQUIPMENT:
The use of long sleeve and long leg clothing is recommended. Remove and wash contaminated clothing before reuse.

SECTION IX - SPECIAL PRECAUTIONS

-PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:
Store in buildings designed to comply with OSHA 1910.106 Avoid storing near high temperatures, fire, open flames, and spark sources. Store in tightly closed containers. Store in well ventilated areas.
-OTHER PRECAUTIONS:
Keep containers tight and upright to prevent leakage. Prevent prolonged breathing of vapors or spray mists. Prolonged over-exposure may cause an allergic reaction. Aviod contact with skin and eyes. Do not take internally. Do not handle until the manufacturers safety precautions have been read and understood. Wash hands before eating, smoking, or using washroom. Smoke in smoking areas ONLY.

*** TRANSPORTATION INFORMATION ***

APPLICABLE REGULATIONS: 49 CFR (YES); IMCO (NO); IATA (NO)
MILITARY AIR(AFR 71-4) (NO)
PROPER SHIPPING NAME: CONSUMER COMMODITY ORM-D
REPORTABLE QUANTITY: Not applicable
HAZARD CLASS: Aerosol Class 2
REQUIRED LABELS: Flammable liquid
U.S. POSTAL REGULATIONS: Not allowed to send via US POSTAL SERVICE.

*** DISCLAIMER ***

Information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of the materials and for the safety and health of their employees.

ACTUAL VOC DETERMINED PER EPA REFERENCE METHOD 24.

SECTION X - REGULATORY INFORMATION

-SARA 313:
This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right To Know Act of 1986 and of 40 CFR 372:

CAS#	Chemical Name	Percent by Weight
61789-51-3	PAINT DRIER	0.04
Contains a cobalt compound, 6% by weight.		
108-10-1	METHYL ISOBUTYL KETONE	0.44

-PROP 65-CARCINOGENIC
WARNING: This product contains a chemical known to the state of California to cause cancer.

CAS#	Chemical Name
None	

-PROP 65-TERATOGENIC
WARNING: This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

CAS#	Chemical Name
None	

-PROP 65-CARCINOGENIC & TERATOGENIC
WARNING: This product may contain a chemical known to the state of California to cause cancer and birth defects or other reproductive harm

CAS#	Chemical Name
None	