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MATERIAL SAFETY DATA SHEET
For Coatings, Resins and Related Materials
Printed: 07/18/03
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SECTION I - PRODUCT IDENTIFICATION

Manufacturer: DEFT, INC. (CAGE CODE 33461) Information Phone: (949) 474-0400
17451 VCN KARMAN AVENUE Emergency Phone: (800) 424-9300
IRVINE CA CHEMTREC Phone: 800-424-9300
92614

Product Class: LACQUER
Trade Name: LACQUER SANDING SEALER
Product Code: 015
A.S. Number:
Hazard Ratings: Health - 3
none -> extreme Fire - 3
0 -> 4 Reactivity - 1
Personal Protection - I

SECTION II - HAZARDOUS INGREDIENTS

Ingredients	CAS #	Weight %	Exposure Limits				VP mm HG
			ACGIH TLV	OSHA STEL	OSHA PEL	OSHA STEL	
LIPHATIC HYDROCARBON	8052-41-3	15.	N.E.	N.E.	N.E.	N.E.	12 @ 100F
NIOSH recommends a limit of 350 mg/m ³ - 8 Hour TWA, 1800 mg/m ³ as determined by a 15 minute sample.							
M&P NAPHTHA - EC	64742-89-8	15.	300 ppm	N.E.	300 ppm	400 ppm	26 @ 100F
YLENE	1330-20-7	< 5.	100 ppm	150 ppm	100 ppm	150 ppm	5.1 @ 68F
ETHYL BENZENE	100-41-4	< 1.	100 ppm	125 ppm	100 ppm	125 ppm	7.1 @ 68F
IARC has determined that ethylbenzene is possibly carcinogenic to humans.							
SOPROPANOL ANHYDROUS	67-63-0	< 5.	400 ppm	500 ppm	400 ppm	500 ppm	33 @ 68F
-BUTYL ALCOHOL	71-36-3	10.	50 ppm	N.E.	50 ppm	N.E.	4.4 @ 68F
SOBUTYL ISOBUTYRATE	97-85-8	5.	N.E.	N.E.	N.E.	N.E.	20.8 @ 129F
Eastman Kodak recommends an exposure limit of: 100 ppm 8 Hour TWA.							
ETHYL n-AMYL KETONE	110-43-0	< 5.	50 ppm	N.E.	100 ppm	N.E.	2.1 @ 68F
-BUTOXYETHANOL	111-76-2	< 5.	25 ppm	N.E.	25 ppm	N.E.	.9 @ 77F
-BUTYL ACETATE	123-86-4	10.	150 ppm	200 ppm	150 ppm	200 ppm	13 @ 68F
ETHYL ISOBUTYL KETONE	108-10-1	< 5.	50 ppm	75 ppm	50 ppm	75 ppm	15 @ 68F
SOBUTYL ALCOHOL	78-83-1	< 1.	50 ppm	N.E.	50 ppm	N.E.	8.8 @ 68F
KETONE	67-64-1	< 5.	750 ppm	1000ppm	750 ppm	1000 ppm	186 @ 60F

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

N.E. = Not Established

SECTION III - PHYSICAL DATA

Boiling Range: 133 - 343 Deg. F Vapor Density: Heavier than Air.
vap. Rate: 0.83 x n-Butyl Acetate Liquid Density: Lighter than Water.
Volatiles vol % 83.8 Wgt% 76.7 Wgt per gallon: 7.34 Pounds.
Spec. Gravity: 0.88115
Appearance: OPAQUE LIQUID WITH SOLVENT ODOR
SOLUBILITY IN WATER: Insoluble PH: Not applicable
FIROIGNITION TEMPERATURE: No information found
COMPOSITION TEMPERATURE: No information found
COROSION RATE: No information found
VISCOSITY: Thin liquid to heavy viscous material

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammability Class: IB Flash Point: -15 F TCC LEL: 1.00% UEL: 12.80%
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, aerosols, 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:

BTFT: NO, **IARC MONOGRAPHS:** NO, **OSHA REGULATED:** NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Asthma and any other respiratory disorders. Skin allergies, eczema, and dermatitis.

-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

STABILITY: ☐ Unstable ☒ Stable
HAZARDOUS POLYMERIZATION: ☐ May occur ☒ Will not occur

-INCOMPATIBILITY

STRONG OXIDIZING AGENTS, STRONG ACIDS.

-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.

-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, (continued on next page)

SECTION VIII - SPECIAL PROTECTION INFORMATION: (cont.)

VENTILATION:

Flame, and hot surfaces).

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. Avoid contact with skin and eyes. Do not take internally. Do not handle until the manufacturer's 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); DMC (NO); IATA (NO)
MILITARY AIR (AFR 71-4) (NO)

PROPER SHIPPING NAME: Paint UN NUMBER: UN-1263

REPORTABLE QUANTITY: Not applicable

HAZARD CLASS: Flammable liquid 3

THIS MATERIAL WHEN PACKAGED IN CONTAINERS OF 1 LITER OR LESS QUALIFIES AS PAINT IN LIMITED QUANTITY OF CLASS 3.

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
1330-20-7	XYLENE	2.22
100-41-4	ETHYL BENZENE	0.46
67-63-0	ISOPROPANOL ANHYDROUS	4.63
71-36-3	n-BUTYL ALCOHOL	9.7
557-05-1	ZINC STEARATE	1.64
111-76-2	2-BUTOXYETHANOL	4.33
108-10-1	METHYL ISOBUTYL KETONE	2.73

-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