

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:	WATER BASED CLEAR WOOD FINISH SEMI-GLOSS	Revision Date:	11/04/2005
Identification Number:	108	Print Date:	04/21/2006
Product Use/Class:	LACQUER		
Manufacturer:	Deft, Inc. (CAGE CODE 33461) 17451 Von Karman Ave Irvine, Ca. 92614	Information Phone:	(949) 474-0400
		Emergency Phone:	(800) 424-9300

Section 2 - Hazards Identification

*** Emergency Overview ***: Harmful by inhalation, in contact with skin, and if swallowed. Translucent liquid with slight ammonia odor. Contact with eyes or skin causes irritation.

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

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

Effects Of Overexposure - Inhalation: Inhalation may cause headaches, difficult breathing, and loss of consciousness. 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.

Effects Of Overexposure - Ingestion: May result in possible corrosive action in the mouth, stomach tissue and digestive tract. Vomiting may cause aspiration of the solvent, resulting in chemical pneumonitis. Ingestion may cause gastrointestinal irritation, abdominal pain, nausea, vomiting and diarrhea.

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.

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

Section 3 - Composition / Information On Ingredients

Component	CAS Number	Weight % Reporting Ranges
DOWANOL DPNB GLYCOL ETHER	29911-28-2	3-7
DIPROPYLENE GLYCOL MONOMETHYL ETHER	34590-94-8	3-7
N-METHYLPYRROLIDONE	872-50-4	1-5
AMMONIUM HYDROXIDE	1336-21-6	0.1-1.0

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

Section 4 - First Aid Measures

First Aid - Eye Contact: Hold eyelids open to rinse out the entire eye. If material gets into eyes, flush with water immediately for 15 minutes. Consult a physician.

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.

First Aid - Inhalation: In the case of inhalation of aerosol/mist consult a physician, if necessary. Move to fresh air in case of accidental inhalation of vapors. Asthmatic type symptoms may develop and maybe immediate or delayed by several hours.

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): > 212 SETAFLASH LOWER EXPLOSIVE LIMIT (%): 1.1 UPPER EXPLOSIVE LIMIT (%): N.D.

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

Unusual Fire And Explosion Hazards: Fire or intense heat may cause violent rupture of packages. Remove all sources of ignition. Keep containers tightly closed. Isolate from heat, sparks, electrical equipment and open flame. Application to hot

surfaces requires special precautions. Toxic gases may form when product burns.

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

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: 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: Use only in ventilated areas. Open doors and windows. Handle in accordance with good industrial hygiene and safety practice. Keep product and empty containers away from heat, hot surfaces, open flame, and other sources of ignition. Storage: Keep containers upright to prevent leakage and tightly closed in a dry, cool and well-ventilated place. Avoid storing near high temperatures, fire, open flames, and spark sources. 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
DOWANOL DPNB GLYCOL ETHER	N.E.	N.E.	N.E.	N.E.
DIPROPYLENE GLYCOL	100 ppm	150 ppm	100 ppm	150 ppm
MONOMETHYL ETHER				
N-METHYLPYRROLIDONE	N.E.	N.E.	N.E.	N.E.
AMMONIUM HYDROXIDE	25 ppm	N.E.	25 ppm	N.E.

Notes

DIPROPYLENE GLYCOL MONOMETHYL ETHER CAS# 34590-94-8 has been shown to cause minor effects in the liver and kidneys of animals. N-METHYLPYRROLIDONE, CAS # 872-50-4, estimated TLV TWA 100 ppm. (Per GAF Corporation)

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 (cotton, neoprene, rubber, polyethylene) 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):	212 - N.D.	Vapor Density:	Heavier than air
Odor:	Slight ammonia odor	Odor Threshold:	N.D.
Appearance:	Translucent liquid	Evaporation Rate:	0.0 x n-Butyl Acetate
Solubility in H ₂ O:	Soluble		
Freeze Point:	N.D.	Specific Gravity:	1.033
Vapor Pressure:	N.D.	PH:	N.D.
Physical State:	Liquid	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: Incompatible with oxidizing agents.

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: Dispose of waste in accordance with federal, state, and local environmental regulations. Empty

containers will contain product residue and flammable vapors. Handle as hazardous material. Do not incinerate closed containers. EPA Hazardous Waste Number/Code: D001, F003, F005. Hazardous Waste Characteristics: Ignitability and Reactivity.

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	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 311 and 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, 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:

<u>Component</u>	<u>CAS Number</u>	<u>Percent By Weight</u>
N-METHYLPYRROLIDONE	872-50-4	1.94
AMMONIUM HYDROXIDE	1336-21-6	0.20

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:

<u>Component</u>	<u>CAS Number</u>
DIPROPYLENE GLYCOL MONOMETHYL ETHER	34590-94-8
N-METHYLPYRROLIDONE	872-50-4

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.

<u>Component</u>	<u>CAS Number</u>
WATER	7732-18-5
ACRYLIC COPOLYMER	PROPRIETARY

Pennsylvania Right-to-Know:

The following non-hazardous ingredients are present in the product at greater than 3%.

<u>Component</u>	<u>CAS Number</u>
WATER	7732-18-5
ACRYLIC COPOLYMER	PROPRIETARY

California Proposition 65:

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

<u>Component</u>	<u>CAS Number</u>
ACRYLIC COPOLYMER	PROPRIETARY

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

<u>Component</u>	<u>CAS Number</u>
N-METHYLPYRROLIDONE	872-50-4

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: 2 Flammability: 1 Reactivity: 0 Personal Protection: G

VOLATILE ORGANIC COMPOUNDS, GR/LTR: 274.1

VOLATILE ORGANIC COMPOUNDS, LB/GAL: 2.3

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, 5, 7, 14, 15, and 16 have been updated.

REGULATORY CODE: 108

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.