

# 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:	WATERBORNE CLEAR WOOD FINISH SATIN	Revision Date:	02/28/2008
Identification Number:	109	Print Date:	3/10/2008
Product Use/Class:	INTERIOR WOOD FINISH/WATERBORNE		
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 \*\*\*: Translucent liquid with slight ammonia odor. Harmful by inhalation, in contact with skin, and if swallowed. Contact with eyes or skin causes irritation.

**Effects Of Overexposure - Eye Contact:** Exposure to liquid, aerosol, or vapors may cause irritation, tearing, redness, and swelling accompanied by a stinging sensation. Direct eye contact may cause irritation. May cause slight corneal damage. May cause temporary clouding of the cornea.

**Effects Of Overexposure - Skin Contact:** Direct skin contact may cause irritation. Symptoms may include swelling, redness, and rash. Prolonged or repeated skin contact may cause dermatitis, drying, and defatting due to the solvent properties. Contact with skin may cause blistering. Skin contact with large amounts of a component may cause drowsiness.

**Effects Of Overexposure - Inhalation:** 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. Inhalation may cause headaches, difficult breathing, and loss of consciousness. Inhalation of a component may cause narcotic or anesthetic effects.

**Effects Of Overexposure - Ingestion:** Ingestion may cause gastrointestinal irritation, abdominal pain, nausea, vomiting, and diarrhea. 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. A component(s) maybe harmful if swallowed in large quantities.

**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, Ingestion, 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

8. ALL INGREDIENTS ARE ON THE TSCA INVENTORY LIST, UNLESS OTHERWISE NOTED IN SECTION

### Section 4 - First Aid Measures

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

**First Aid - Skin Contact:** Remove contaminated clothing and shoes. In case of contact, immediately flush skin with plenty of water and wash affected areas thoroughly with soap and water. Wash contaminated clothing thoroughly before reuse or discard.

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

**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 TCC LOWER EXPLOSIVE LIMIT UPPER EXPLOSIVE LIMIT (%): N.D.  
(%): 1.1

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

Unusual Fire And Explosion Hazards: Keep containers tightly closed. Isolate from heat, sparks, electrical equipment and open flame. Fire or intense heat may cause violent rupture of packages. Application to hot surfaces requires special precautions. Toxic gases may form when product burns. Remove all sources of ignition. A component may erupt or may generate violent steam when it is exposed to direct water stream or hot liquids. In addition, the component may spontaneously combust when its autoignition temperature is lowered through contact with hot fibrous insulation.

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

### 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: Prevent prolonged breathing of vapors or spray mist. Avoid contact with eyes and skin. Do not take internally. Do not handle until the manufacturers safety precautions have been read and understood. Handle in accordance with good industrial hygiene and safety practice. Use only in ventilated areas. Open doors and windows. Do not drill, solder, pressurize, grind, cut, weld, or braze empty container. Keep product and empty containers away from heat, hot surfaces, open flame, and other sources of ignition. Empty containers may contain vapors of a component(s).

Storage: Store in buildings designed to comply with OSHA 1910.106. 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.

### 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 MONOMETHYL ETHER	100 ppm	150 ppm	100 ppm	150 ppm
N-METHYLPYRROLIDONE	N.E.	N.E.	N.E.	N.E.

#### Notes

DOWANOL DPNB GLYCOL ETHER CAS # 29911-28-2 has been shown to cause effects to the respiratory tract and liver in animal studies. 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). Exposure to high doses has been shown to cause testicular effects in rats. Was not carcinogenic to rats exposed through inhalation and food source over a lifetime. Mice that were exposed to high doses developed liver adenomas. Male mice also developed carcinomas. Middle does caused liver hypertrophy in male mice.

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. Safety shower and eyewash station should be located in immediate work area. Wear an apron and boots that are chemical-resistant.

Hygienic Practices: Wash hands before breaks, eating, smoking, using washroom, 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:	ND
Solubility in H <sub>2</sub> O:	Soluble		
Freeze Point:	N.D.	Specific Gravity:	1.033
Vapor Pressure:	N.D.	PH:	> 7.5
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. Avoid processes that might generate static electrical discharge. Do not freeze.

Incompatibility: Material is incompatible with oxidizing agents, strong acids, and bases.

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. Ketones, organic acids, and aldehydes may form.

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:	Paint	Packing Group:	N.A.
DOT Technical Name:	N.A.	Hazard Subclass:	N.A.
DOT Hazard Class:	Not regulated	Resp. Guide Page:	N.A.
DOT UN/NA Number:	N.A.	IATA:	Yes

#### 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, CHRONIC HEALTH 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
N-METHYLPYRROLIDONE	872-50-4	1.86

##### 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
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.

**Component**WATER  
ACRYLIC COPOLYMER**CAS Number**7732-18-5  
PROPRIETARY**Pennsylvania Right-to-Know:**

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

**Component**WATER  
ACRYLIC COPOLYMER**CAS Number**7732-18-5  
PROPRIETARY**California Proposition 65:**

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

None

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

**Component**

N-METHYLPYRROLIDONE

**CAS Number**

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:** 269.9**VOLATILE ORGANIC COMPOUNDS, LB/GAL:** 2.25**VOLATILE ORGANIC COMPOUNDS MIXED, GR/LTR:** <= 275**VOLATILE ORGANIC COMPOUNDS MIXED, LB/GAL:** <= 2.29**VOLATILE ORGANIC COMPOUNDS, LB/LB-SOLID:** <= 0.331**VOLATILE ORGANIC COMPOUNDS OF MATERIAL (SCAQMD RULE 443.1), GR/LTR:** 104.1**VOLATILE ORGANIC COMPOUNDS OF MATERIAL (SCAQMD RULE 443.1), LB/GAL:** 0.87**REASON FOR REVISION:** CORRECTED PROP 65 STATEMENT AND ADDED VOC IN LB. VOC PER LB. SOLID.**REGULATORY CODE:** 109**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.