

This MSDS is prepared in accordance with OSHA 1910.1200, Canadian WHMIS, and ANSI .

	WHMIS Class D-2B: Material causing other toxic effects (TOXIC).	HCS Class: Irritating substance.
WHMIS (Pictograms)	WHMIS (Classification)	HCS

Section 1. Chemical Product and Company Identification

Product Name/ Trade name	Emulsion Satin	Code	B1619
Synonym	Not available.	CAS #	Mixture.
Chemical Family	Not available.	Validation Date	10/21/2008
Chemical Formula	Not applicable.	Print Date	10/21/2008
Manufacturer/ Supplier	Basic Coatings 1001 Brown Avenue Toledo, Ohio (800) 247-5471	In Case of Emergency	CHEMTREC (800) 424-9300
TSCA	TSCA Inventory: All components listed or are exempt from listing.		
DSL/ NDSL	All components listed unless noted elsewhere on this MSDS		
		Protective Clothing	

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC ₅₀ /LD ₅₀
Water	7732-18-5	>60	Not available.	Not available.
Polyurethane Resins	N/A	25 -40	Not available.	Not available.
N-Methyl-2-Pyrrolidone	872-50-4	1 - 5	Not available.	Not available.
Dimethylethanolamine	108-01-0	1 - 5	ACGIH TLV (United States). TWA: 5 ppm 8 hour(s). STEL: 25 ppm 15 minute(s).	Not available.
Dipropylene Glycol Methyl Ether	34590-94-8	<1	ACGIH TLV (United States). TWA: 100 ppm 8 hour(s). STEL: 150 ppm 15 minute(s).	Not available.

Section 3. Hazards Identification

Potential Acute Health Effects	Irritation of the product in case of eye contact: Irritant. May aggravate existing eye disorders Irritation of the product in case of skin contact: Cases drying of the Skin. May aggravate existing skin conditions.
Potential Chronic Health Effects	Repeated skin exposure can produce local skin destruction, or dermatitis.
Carcinogenic Effects	Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Skin Contact	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion	Contact a poison control center immediately for treatment advice. Do not induce vomiting unless instructed to do so by poison control center or doctor. Do not give anything to by mouth to an unconscious person.

Section 5. Fire Fighting Measures

Products of Combustion	Not available.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
Special Remarks on Fire Hazards	Not available.
Special Remarks on Explosion Hazards	Not available.


Section 6. Accidental Release Measures

Small Spill and Leak	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
Large Spill and Leak	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
Personal Protection in Case of a Large Spill	Splash goggles. Boots. Gloves. Light protective clothing. Wear appropriate respirator when ventilation is inadequate.

Section 7. Handling and Storage

Precautions	Keep away from heat. Do not breathe gas/fumes/ vapor/spray. Keep away from incompatibles such as oxidizing agents, acids, alkalis.
Incompatibility	Reactive with oxidizing agents, acids, alkalis.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area. S2- Keep out of the reach of children.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.
Personal Protection	
<i>Eyes</i>	Safety glasses.
<i>Body</i>	No special protective clothing is required.
<i>Respiratory</i>	A respirator is not needed under normal and intended conditions of product use.
<i>Hands</i>	Impervious gloves.
Protective Clothing (Pictograms)	
Exposure Limits	See Section 2 For Applicable Exposure Limits

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.	Odor	Characteristic.
Molecular Weight	Not applicable.	Taste	Not available.
pH	Not applicable.	Color	White to yellowish.
Boiling/Condensation Point	The lowest known value is 192.78°C (379°F)		
Melting/Freezing Point	Not available.		
Critical Temperature	Not available.		
Instability Temperature	Not available.		
Specific Gravity	1.0488 (Water = 1)		
Vapor Pressure	Not available.		
Vapor Density	Not available.		
Volatility	Not available.		
VOC	<275 g/Liter		
Evaporation Rate	<1 compared to Butyl acetate.		
Dispersion Properties	Not available.		
Solubility	Miscible in water.		
The Product is:	May be combustible at high temperature.		
Auto-ignition Temperature	Not available.		
Flash Points	Closed cup: >176.67°C (350°F).		
Flammable Limits	Not available.		
Fire Hazards in Presence of Various Substances	Not available.		
Explosion Hazards in Presence of Various Substances	Not available.		

Section 10. Stability and Reactivity Data

Stability	The product is stable.
Incompatibility with Various Substances	Reactive with oxidizing agents, acids, alkalis.
Hazardous Decomposition Products	Not available.

Section 11. Toxicological Information

Routes of Entry Not available.

Toxicity to Animals LD50: Not available.
LC50: Not available.

Acute Effects on Humans

Eyes Not available.

Skin Irritation of the product in case of skin contact: Not available. Sensitization of the product: Not available.

Inhalation Not available.

Ingestion Not available.

Chronic Effects on Humans Repeated skin exposure can produce local skin destruction, or dermatitis.

Special Remarks on Toxicity to Animals Not available.

Special Remarks on Chronic Effects on Humans Not available.

Section 12. Ecological Information

Ecotoxicity Not available.

BOD5 and COD Not available.

Products of Biodegradation Not available.

Toxicity of the Products of Biodegradation Not available.

Special Remarks on the Products of Biodegradation Not available.

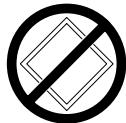
Section 13. Disposal Considerations

Waste Information Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Waste Stream Not available.

Section 14. Transport Information

DOT (U.S.A) (Pictograms)



TDG Classification -



PIN UN, Proper Shipping Name, PG Not applicable.

Maritime Transportation Not available.

Special Provisions for Transport Not available.

Section 15. Other Regulatory Information and Pictograms

WHMIS (Classification) WHMIS Class D-2B: Material causing other toxic effects (TOXIC).



Regulatory Lists No products were found.

Other Regulations Not available. or of its ingredients

Other Classifications

HCS (U.S.A.) HCS Class: Irritating substance.

USA Regulatory Lists **WARNING:** This product contains chemical(s) known to the state of California to cause cancer, birth defects or other reproductive harm: Hydrazine; N-Methyl-2-Pyrrolidone
WARNING: This product contains chemical(s) known to the state of California to cause birth defects or other reproductive harm.: N-Methyl-2-Pyrrolidone

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: N-Methyl-2-Pyrrolidone
SARA 313 toxic chemical notification and release reporting: N-Methyl-2-Pyrrolidone 4.97%

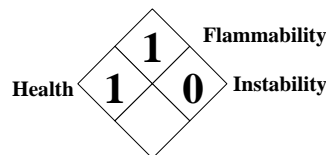
DSD (EEC) This product is not classified according to the EU regulations.

International Regulations Lists No products were found.

Hazardous Material Information System (U.S.A.)

Health	1
Flammability	1
Physical Hazard	0

National Fire Protection Association (U.S.A.)



The Hazard Ranking systems presented on this MSDS provide only a quick reference for hazard information. The ENTIRE MSDS must be consulted to determine any specific hazards, First Aid measures, and PPE associated with this product. Specific Hazard

Section 16. Other Information

Validated by LMorsch on 10/21/2008.

Verified by LMorsch.

Printed 10/21/2008.

Information Contact Basic Coatings
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Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

