

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: MightyOne Gloss HD Kit / Standard Reducer

PART NUMBER: CF-0421

GENERAL USE: Protective coating on Resilient and Ceramic floor surfaces

PRODUCT DESCRIPTION: Resultant blend of MightyOne standard reducer kit.



MANUFACTURER'S NAME Prætorian Protective Finishes, LLC.		DATE PREPARED: July 8, 2007	Page 1 of 4
		SUPERSEDES: New	
ADDRESS (NUMBER, STREET, P.O. BOX) 206 North River Ridge Circle		TELEPHONE NUMBER FOR INFORMATION (952) 895-6962	
(CITY, STATE AND ZIP CODE) Burnsville, MN 55337	COUNTRY USA	EMERGENCY TELEPHONE NUMBER Chemtrec (800) 424-9300 Outside USA (703) 527-3887	
DISTRIBUTOR'S NAME Same			
ADDRESS (NUMBER, STREET, P.O. BOX)		TELEPHONE NUMBER FOR INFORMATION	
(CITY, STATE AND ZIP CODE)	COUNTRY	EMERGENCY TELEPHONE NUMBER	

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	% (by weight)	CAS #	EINECS #	Hazard Symbol	RISK PHRASES Full Text Section 16
Proprietary modified urethane resin	15 - 40	Not specified	Not specified	NC	Not classified
1-Methyl-2-pyrrolidone (a,b,*)	1 - 5	872-50-4	212-828-1	Xi	R-36/38
Propylene glycol n-propyl ether	1 - 5	1569-01-3	216-372-4	Xn	R-10, 20/21/22, 36/37/38
Ethylene glycol monobutyl ether (a,b)	1 - 5	111-76-2	203-905-0	Xn	R-20/21/22,36/38
Diethylene glycol monoethyl ether (a)	1 - 5	111-90-0	203-919-7	Xi	R-36

(a) See Section 15

(b) California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986, chemicals known to the state to cause cancer or reproductive toxicity. A person in the course of doing business must warn others who may consume, come into contact with, or otherwise be exposed to this chemical.

(*) The ACGIH Time Weighted Average (TWA) has not been established nor has OSHA established the Permissible Exposure Limit (PEL) for this product, therefore the limits described have been established as guidelines by the manufacturer.

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

This MSDS covers the safety information on the product that is created when the MightyOne Gloss kit is properly blended according to supplied instructions. During non-spray operations such as a brush or roller applications at normal room temperature conditions, no mists or vapors are created, thus no respiratory or inhalation hazards are present. Contact with the eyes may cause severe irritation. Harmful if swallowed. Prolonged skin contact can cause skin sensitization. Individuals who have developed skin sensitization can develop symptoms as a result of contact with very small amounts of liquid material. Toxic gases are emitted during burning or thermal decomposition. Hazard Symbols for this product - Xi. Risk Phrases - R36/38

POTENTIAL HEALTH EFFECTS

INHALATION: Not considered to be a hazard during normal room temperature brush or roller applications. Application to high temperature substrate or application by spray methods may produce mists or vapors that are irritating to the respiratory tract; may cause headache, dizziness, nausea, vomiting and malaise. Chronic overexposures, or a single large dose, may cause isocyanate sensitization and subsequent reaction to a later exposure to isocyanate.

SKIN: None expected, however, prolonged contact may cause irritation.

EYES: Contact with eyes may cause irritation.

INGESTION: May cause gastric distress, vomiting and diarrhea.

CARCINOGENICITY NTP? No IARC MONOGRAPHS? No OSHA REGULATED? No

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SECTION 4 - FIRST AID MEASURES

INHALATION: Not considered to be a problem when product is applied by brush or roller at normal room temperature conditions, however, if a person is exposed to vapors or mists from high temperature or spray applications, remove affected person to fresh air; provide oxygen if breathing is difficult; if affected person is not breathing, administer CPR and seek emergency medical attention.

SKIN: Remove contaminated clothing; wash affected area with soap and water; launder contaminated clothing before reuse; if irritation persists, seek medical attention.

EYES: Check for and remove contact lenses. Flush eyes with clear running water for 15 minutes while holding eyelids open; if irritation persists, seek medical attention.

INGESTION: Give two glasses of water for dilution; DO NOT induce vomiting; never give anything by mouth to an unconscious person; seek medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

GENERAL HAZARDS: Product is not considered flammable or combustible, however, product will support combustion if involved in a fire. Products of combustion include compounds of carbon, hydrogen, nitrogen and oxygen, including carbon monoxide.

EXTINGUISHING MEDIA

Carbon dioxide, water, water fog, dry chemical, chemical foam.

FIRE FIGHTING PROCEDURES

Keep containers cool with water spray to prevent container rupture due to steam buildup; floor will become slippery if material is released.

UNUSUAL FIRE AND EXPLOSION HAZARDS

None

HAZARDOUS COMBUSTION PRODUCTS

Smoke, fumes, oxides of carbon, oxides of nitrogen

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: WILL SUPPORT COMBUSTION. Evacuate and ventilate area; confine and absorb into absorbent; place material into approved containers for disposal; refer to SARA Title III, Section 313 40 CFR 372 for details concerning reporting requirements.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures. Keep this and other chemicals out of reach of children.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

HAZARDOUS COMPONENTS	NIOSH				ACGIH			
	TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3	TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3
Proprietary modified urethane resin		Not established				Not established		
1-Methyl-2-pyrrolidone (a,b,*)	100							
Propylene glycol n-propyl ether		not established				not established		
Ethylene glycol monobutyl ether (a,b)	5	24	--	--	20	97	--	--
Diethylene glycol monoethyl ether (a)		Not established				Not established		

PERSONAL PROTECTION:

RESPIRATORY PROTECTION: None required during normal brush or roller application, or while threshold limits (Section 2) are kept below maximum allowable concentrations; if TWA exceeds limits as may occur during high temperature or spraying applications, NIOSH approved respirator approved for use in isocyanate - containing environments must be worn.

PROTECTIVE GLOVES: Recommended for general protection

EYE PROTECTION: Safety glasses recommended for general protection Refer to 29 CFR 1910.133 or European Standard EN166.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Safety eyewash station nearby.

WORK / HYGIENIC PRACTICES: Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR Milky white liquid, characteristic odor	VAPOR PRESSURE 17 mm Hg @ 20° C
pH 8.0 - 9.0	SPECIFIC GRAVITY (WATER = 1) 1.056
BOILING POINT / BOILING RANGE 212F (100° C)	SOLUBILITY IN WATER Dispersable
FLASH POINT Non-flammable	VISCOSITY Not specified
FLAMMABLE LIMITS LEL: Not applicable UEL: Not applicable	VAPOR DENSITY (AIR = 1) > 1
AUTOIGNITION TEMPERATURE Not determined	EVAPORATION RATE (WATER = 1) < 1

SECTION 10 - STABILITY AND REACTIVITY

STABILITY UNSTABLE: STABLE: X	CONDITIONS TO AVOID: Extreme temperatures.
INCOMPATIBILITY (MATERIALS TO AVOID): Can react vigorously with strong oxidizers, strong acids, mineral and organic bases, primary and secondary aliphatic amines.	
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, hydrocarbons, fumes or vapors, and smoke may be produced.	
HAZARDOUS POLYMERIZATION MAY OCCUR: X WILL NOT OCCUR:	CONDITIONS TO AVOID: When properly mixed, this kit does not possess any hazardous polymerization products.

SECTION 11 - TOXICOLOGICAL INFORMATION

Hazardous Components	CAS # EINECS #	LD50 of Ingredient (Specify Species and Route)	LC50 of Ingredient (Specify Species)
Proprietary modified urethane resin	Not specified Not specified	Not established	Not established
1-Methyl-2-pyrrolidone (a,b,*)	872-50-4 212-828-1	3914 mg / kg Oral - rat	Not established
Propylene glycol n-propyl ether	1569-01-3 216-372-4	2504 mg / kg Oral - rat	>2230 ppm / 6H Inhalation - rat
Ethylene glycol monobutyl ether (a,b)	111-76-2 203-905-0	470 mg / kg Oral - rat	450 ppm / 4H Inhalation - rat
Diethylene glycol monoethyl ether (a)	111-90-0 203-919-7	5500 mg / kg Oral - rat	> 5240 mg / m3 / 4H Inhalation - rat
(a) See Section 15			

SECTION 12 - ECOLOGICAL INFORMATION

No data are available on the adverse effects of this material on the environment. Neither COD nor BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. However, such treatment should be evaluated and approved for each specific biological system. None of the ingredients in this mixture are classified as a Marine Pollutant.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with Local, State, and Federal Regulations. Product is classified as non - hazardous, however, non-hazardous materials may become hazardous waste upon contact with other products. Refer to "40 CFR Protection of Environment Parts 260 - 299" for complete waste disposal regulations. Consult your local, state, or Federal Environmental Protection Agency before disposing of any chemicals. According to the European Waste Catalogue, waste codes are application specific and should be assigned by the user based on the application for which the product is used.

SECTION 14 - TRANSPORT INFORMATION

PROPER SHIPPING NAME: Non - Hazardous for Transport DOT HAZARD CLASS / Packaging Group: Not regulated REFERENCE: Not Applicable UN / NA IDENTIFICATION NUMBER: None LABEL: None Required HAZARD SYMBOLS: None	IATA HAZARD CLASS / Packaging Group: Not regulated IMDG HAZARD CLASS: Not regulated RID / ADR Dangerous Goods Code: Not regulated UN TDG Class / Packaging Group: Not regulated Hazard Identification Number (HIN): None
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Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

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SECTION 15 - REGULATORY INFORMATION

TSCA (USA - Toxic Substance Control Act)

All components of this product are listed on the U.S. Toxic Substances Control Act Chemical Inventory (TSCA Inventory) or are exempted from listing because a Low Volume or Polymer Exemption has been granted in accordance with 40 CFR 723.50.

SARA TITLE III (USA - Superfund Amendments and Reauthorization Act)

311/312 Hazard Categories
 Immediate health

313 Reportable Ingredients:

(a) Indicates a toxic chemical subject to annual reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

CERCLA (USA - Comprehensive Response Compensation and Liability Act)

None

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986

There is a reportable chemical present (1-Methyl-2-pyrrolidone known to the state of California to cause cancer or reproductive toxicity.

CPR (Canadian Controlled Products Regulations)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. WHMIS Classification: D2B

IDL (Canadian Ingredient Disclosure List)

Components of this product identified by CAS number and listed on the Canadian Ingredient Disclosure List are shown in Section 2.

DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List)

Components of this product identified by CAS number are listed on the DSL or NDSL, or are otherwise in compliance with the New Substances Notification (NSN) regulations. Only ingredients classified as "hazardous" are listed in Section 2 unless otherwise indicated.

EINECS (European Inventory of Existing Commercial Chemical Substances)

Components of this product identified by CAS numbers are on the European Inventory of Existing Commercial Chemical Substances.

WGK Water Quality Index: nwg

VbK Index: Not applicable

RISK PHRASES:

R36/38 Irritating to eyes and skin.

SYMBOL(S) REQUIRED FOR LABEL

Irritant



SAFETY PHRASES:

S2 Keep out of the reach of children.
 S24/25 Avoid contact with skin and eyes.

SECTION 16 - OTHER INFORMATION

Notes & full R-Phrase text

R10 Flammable.
 R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
 R36/37/38 Irritating to eyes, respiratory system and skin.

HMIS HAZARD RATINGS

HEALTH

2

* = Chronic Health Hazard

2 = MODERATE

FLAMMABILITY

1

0 = INSIGNIFICANT

3 = HIGH

PHYSICAL HAZARD

0

1 = SLIGHT

4 = EXTREME

PERSONAL PROTECTIVE EQUIPMENT

A

Safety Glasses

REVISION SUMMARY:

This MSDS has been revised in the following sections: No changes noted

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The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.