

SAFETY DATA SHEET

WOOLMASTER

SECTION 1- PRODUCT IDENTIFICATION

PRODUCT NAME WOOLMASTER
SYNONYMS Product is a mixture: No synonyms are available
PRODUCT USE PH Neutral Material
SUPPLIER HYDRAMASTER CORP.
SUPPLIER'S ADDRESS 1500 Industry St. Suite 300
Everett, WA 98203 (425) 775-7272
EMERGENCY RESPONSE PHONE PERS: 1-800-633-8253

SECTION 2 – HAZARD IDENTIFICATION

GHS – US CLASSIFICATION : No need for classification according to GHS criteria for this product.

HAZARD PICTOGRAMS : Not applicable.
SIGNAL WORD : Not applicable.
GHS LABEL ELEMENTS : The product does not require a hazard warning label in accordance with GHS criteria.
GHS PHYSICAL HAZARDS Not applicable.

OSHA HAZARDS : Target Organ Effect (Glycol Ether DPM)
TARGET ORGANS : Kidney, Liver, Nerves (Glycol Ether DPM).
CLASSIFICATION SYSTEM : NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme.
NFPA RATINGS (SCALE 0-4) : Health = 1, Fire = 0, Reactivity = 0
HMIS RATINGS (SCALE 0-5) : Health = 1, Fire = 0, Reactivity = 0

SECTION 3 – COMPOSITON/INFORMATION ON INGREDIENTS

CHEMICAL CHARACTERISTIC : Mixtures
DESCRIPTION : Mixture of the substances listed below with nonhazardous additions.

COMPONENT	PERCENT	CAS #	EC #	GHS CLASS
Dipropylene glycol methyl ether	0.1-1	34590-94-8	252-104-2	Eye Irrit: Cat 2B
Alcohols Ethoxylated	1-5	68439-46-3	614-482-0	Eye Irrit Cat 2B
Sodium Citrate	1-5	6132-04-3	200-675-3	Not Classified Under GHS
Sodium Gluconate	< 1	527-07-1	208-407-7	Not Found
Polymers	10-20	Trade Secret	Trade Secret	Not Classified Under GHS
Dimethyldecyl Amine Oxide	1-5	2605-79-0	220-020-5	Not Found

Irrit = Irritation, Corr = Corrosion, Cat = Category, Dam = Damage, Tox = Toxic, STOT SE = Specific Target Organ Toxicity Single Exposure. Also contains nonhazardous biodegradable surfactant(s).

SECTION 4 – FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

GENERAL : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice. Show the label where possible.

EYE CONTACT : Immediately flush eyes with water for at least 15 minutes. Hold eyelids open to ensure adequate flushing. If irritation persists, get immediate medical attention.

SKIN CONTACT : Remove contaminated clothing and shoes. Wash affected skin area with soap and water. If irritation occurs, get medical attention.

SWALLOWING (INGESTION) : If ingested, dilute swallowed material by drinking water. DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep airway clear. Give more water when vomiting stops.

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- INHALATION** : Remove to fresh air. If symptoms persist, get medical attention.
- OTHER INSTRUCTIONS** : Rescue personnel must wear appropriate protective equipment during removal of victims from contaminated areas. Treat symptomatically and supportively.

SECTION 5 – FIRE FIGHTING MEASURES

- EXTINGUISHING MEDIA** : Dry chemical, foam, water, or carbon dioxide.
- SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE FIGHTERS** : In the event of a fire, wear a NIOSH (USA) or CEN (EU) approved, positive pressure, self-contained breathing apparatus (SCUBA) and full protective clothing. Evacuate all non-essential personnel from the danger area. Use water spray to cool nearby containers.
- UNUSUAL FIRE AND EXPLOSION HAZARDS** : No further relevant information is available.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

- PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT & EMERGENCY PROCEDURES** : Restrict access to keep out unauthorized or unprotected personnel. Wear protective equipment. Avoid inhalation and direct contact.
- ENVIRONMENTAL PROCEDURES** : Keep spilled material away from sewage/drainage systems and waterways.
- METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP** : All clean-up personnel must be properly trained. Confine the spill and remove incompatible materials and ignition sources. Ensure adequate ventilation. Secure the source of the leak if conditions are safe. Neutralize spill and collect using an appropriate absorbent material such as clay or vermiculite. Place waste in an appropriate container for disposal. Use care during clean-up to avoid exposure to the material and injury from broken containers.

SECTION 7 – HANDLING AND STORAGE

- PRECAUTIONS FOR SAFE HANDLING** : Use with adequate ventilation. Wear proper protective equipment. Do not mix with water or acids without proper dilution and agitation to prevent a potentially violent reaction.
- CONDITIONS FOR SAFE STORAGE** : Store in closed, properly labeled containers. Protect containers from heat, physical damage, ignition sources and incompatible materials. Have emergency equipment for fires and spills readily available.



SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

- TLV (THRESHOLD LIMIT VALUE)** : The TLV in section in section III is the ACGIH/TLV-TWA (threshold limit value/time weighted average concentration for an eight hour work day). The STEL is the short term exposure limit and the (Ceil) is the ceiling limit.

COMPONENT	OSHA PEL – TWA	ACGIH – TLV	ACGIH – STEL
Dipropylene glycol methyl ether	100 ppm, 600mg/m ³	100 ppm	150 ppm
Alcohols Ethoxylated	Not Established	Not Established	Not Established
Sodium Citrate Dihydrate	Not Established	Not Established	Not Established
Sodium Gluconate	Not Established	Not Established	Not Established
Polymers	Not Established	Not Established	Not Established

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Dimethyldecyl Amine Oxide	Not Established	Not Established	Not Established
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- EYE PROTECTION** : Wear chemical safety glasses or goggles.
- SKIN PROTECTION** : Minimize contact with product. Wear chemical resistant coveralls, boots, gloves, apron and/or suitable long-sleeved clothing.
- RESPIRATORY PROTECTION** : In case of brief exposure use respiratory filter device. In case of intensive or longer exposure, use respiratory protective device that is independent of circulating air.
- VENTILATION** : Ensure adequate ventilation.
- ADDITIONAL MEASURES** : Emergency eyewash and safety shower facilities should be available in the immediate work area.
- REQUIRED WORK/HYGIENE** : Wash hands thoroughly after handling. Keep away from all food stuffs, beverages, and feed. Do not eat, drink, or smoke in work area.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

- APPEARANCE** : Clear liquid
- ODOR** : Mild pleasant fragrance.
- ODOR THRESHOLD** : Not available
- PH** : 8.0 ± 0.5: AS IS
- MELTING POINT/FREEZING POINT** : Not available
- BOILING POINT** : Approx. 212° F.
- FLASH POINT** : Nonflammable, Noncombustible
- EVAPORATION RATE** : Not available
- FLAMMABILITY** : Nonflammable, Noncombustible
- LOWER FLAMMABILITY LIMIT** : Not available
- UPPER FLAMMABILITY LIMIT** : Not available
- VAPOR PRESSURE** : Not available
- VAPOR DENSITY (AIR=1)** : Not available
- RELATIVE DENSITY** : 1.04
- SOLUBILITY IN WATER** : Soluble in water
- PARTITION COEFFICIENT n-OCTANOL/WATER** : Not available
- AUTOIGNITION TEMPERATURE** : Not available
- DECOMPOSITION TEMPERATURE** : Not available

SECTION 10 – STABILITY AND REACTIVITY
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- STABILITY** : Stable under recommended storage conditions.
- HAZARDOUS CONDITIONS TO AVOID** : No decomposition if used according to specifications
- INCOMPATIBLE MATERIALS** : Keep away from strong acids.
- HAZARDOUS DECOMPOSITION PRODUCTS** : No dangerous decomposition products known.

SECTION 11 – TOXICOLOGICAL INFORMATION

- TOXICOLOGICAL INFORMATION** : **Dipropylene Glycol Methyl Ether**
- ACUTE TOXICITY** : LD50 values: Oral LD50: 5152 mg/kg (rat). LC50 dermal and inhalation: Not listed. Eyes: Rabbit: Mild Irritation: 25 hours.
- CARCINOGENICITY** : No component of this product present at levels greater than or equal to 0.1% is identified as probable or confirmed human carcinogen by IARC, ACGIH, NTP, and

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OSHA.

TOXICOLOGICAL INFORMATION	:	Alcohols (C9-11) Ethoxylated
ACUTE TOXICITY	:	LD50 Oral (rat): 1,378 mg/kg,
INHALATION LC50	:	No data available.
DERMAL LD50	:	LD50 Dermal (rat): > 5,000 mg/kg.
PRIMARY SKIN IRRITATION	:	(Rabbit) Moderate to severely irritating.
PRIMARY EYE IRRITATION	:	(Rabbit) Severely irritating.
TOXICOLOGICAL INFORMATION	:	Sodium Gluconate
ACUTE TOXICITY	:	LD50: Not available, LC50: Not available.
CHRONIC EFFECTS ON HUMANS	:	Not available.
OTHER TOXIC EFFECTS ON HUMANS	:	Slightly hazardous in case of skin contact (irritant, permeator), of ingestion, of inhalation.
TOXICOLOGICAL INFORMATION	:	Dimethyldecyl Amine Oxide
ACUTE TOXICITY	:	LD50 Oral (rat): Dose: 3 300 mg/kg, Method: DOT
SKIN IRRITATION	:	rabbit Result: Essentially non-irritating
FURTHER INFORMATION	:	Information given is based on data on the components and the toxicology of similar products. No data is available on the product itself.

SECTION 12 – ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION	:	Dipropylene Glycol Methyl Ether
ECOTOXICITY (aquatic and terrestrial, where available):	:	
ACUTE FISH TOXICITY	:	LC50 / 96 hours Fathead Minnow - >10,000 mg/L
TOXICITY TO DAPHNIA	:	EC50 / 48 hours Water flea - 1,919 mg/L
PERSISTENCE AND DEGRADABILITY	:	No data available.
BIOACCUMULATIVE POTENTIAL	:	No data available.
ECOLOGICAL INFORMATION	:	Alcohols Ethoxylated
ECOTOXICITY	:	LC50 Rainbow Trout: 1-10 mg/l, 96hr. Value estimated from tests on similar products. LC50 Fathead Minow: 6 mg/l, 96hr. Value estimated from tests on similar products.
BIODEGRADABILITY	:	Readily biodegradable.
PERSISTENCE AND DEGRADABILITY	:	No data available.
BIOACCUMULATIVE POTENTIAL	:	No data available.
ECOLOGICAL INFORMATION	:	Sodium Gluconate
ECOTOXICITY	:	Not available
BOD5 AND COD	:	Not available
PRODUCTS OF BIODEGRADATION	:	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
TOXICITY OF PRODUCTS OF BIODEGRADATION	:	The product and products of biodegradation are not toxic.
ECOLOGICAL INFORMATION	:	Dimethyldecyl Amine Oxide

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ENVIRONMENTAL EFFECTS : Toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment. Marine pollutant.

ADDITIONAL ECOLOGICAL INFORMATION : No data is available on the product itself.

SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL : This product must be disposed of in accordance with Federal, state, and local environmental regulations. Discarded materials may be considered hazardous waste due to pH/corrosivity. It is the responsibility of the product user to determine at the time of disposal whether a material containing, or derived from this product, should be classified as a hazardous waste.

SECTION 14 – TRANSPORTATION INFORMATION

DOT/IMDG/ IATA PROPER SHIPPING NAME : Not Hazardous

HAZARD CLASS AND LABEL : Not Applicable.

UN NUMBER : Not Applicable.

PACKAGING GROUP : Not Applicable.

EPA REPORTABLE QUANTITY (RQ) : Not Applicable.

MARINE POLLUTANT : Not listed.

EMERGENCY RESPONSE GUIDE : Not Applicable.

SECTION 15 – REGULATORY INFORMATION

U.N. GHS CLASSIFICATION & LABELING INFORMATION: See Section 2 for GHS Hazard Information

U.S. FEDERAL REGULATORY INFORMATION:

LISTED CARCINOGEN : Not listed.

TSCA STATUS : The ingredients of this product are listed in TSCA inventory (40CFR 710.)

SARA SECTION 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA SECTION 312 : Chronic health hazard (Glycol Ether DPM).

SARA SECTION 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

NFPA HEALTH : 1

NFPA FLAMMABILITY : 0

NFPA REACTIVITY : 0

CANADIAN REGULATORY INFORMATION:

WHMIS CATEGORY : D2B: Materials that cause other toxic effects (TOXIC) (dipropylene glycol methyl ether).

DOMESTIC SUBSTANCES LIST (DSL) : Listed

INGREDIENT DISCLOSURE LIST : Listed



SECTION 16 – OTHER INFORMATION

DISCLAIMER : The information contained herein has been compiled from sources believed to be reliable and accurate to the best of our knowledge at this date. It is provided

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without warranty, expressed or implied, as to the results of use of this information or to the product to which it relates. Hydramaster Corp. assumes no responsibility for injury to any person or property resulting from any use of the material. Each user assumes the risk in their use of this product and should review the data and recommendations in the specific context of their intended use.

CERCLA	: Comprehensive Environmental Response, Compensation, and Liability Act.
EINECS	: European Inventory of Existing Commercial Chemical Substances
IMDG	: International Maritime Code for Dangerous Goods
IARC	: International Agency for Research on Cancer
IATA	: International Air Transportation Association
ACGIH	: American Conference of Governmental Industrial Hygienists
NFPA	: National Fire Protection Association (USA)
NTP	: National Toxicology Program
SARA	: Superfund Amendments and Reauthorization Act
TSCA	: Toxic Substances Control Act
HMIS	: Hazardous Materials Identification System (USA)
WHMIS	: Workplace Hazardous Materials Information System
LC50	: Lethal concentration, 50 percent
LD50	: Lethal dose, 50 percent
STOT	: Systemic Target Organ Toxicity
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