SECTION 1- PRODUCT IDENTIFICATION

PRODUCT NAME : BLITZ WITH GREASEBREAKER

SYNONYMS: Product is a mixture: No synonyms are available.

PRODUCT USE : Moderately Alkaline 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

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS U.S. – CLASSIFICATION : H302 Harmful if swallowed.

: H315 Causes skin irritation

: H319 Causes serious eye irritation

LABEL ELEMENTS : GHS – US HAZARD PICTOGRAMS The product is classified and labeled according

to the Globally Harmonized System (GHS).

HAZARD PICTOGRAMS :

(!)

SIGNAL WORD : WARNING

HAZARD STATEMENTS : Not established

(GHS-US)

: H302 Harmful if swallowed.: H315 Causes skin irritation.

H319 Causes serious eye irritation.

PRECAUTIONARY STATEMENTS : P101

(GHS-US)

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

: P103 Read label before use.

: P264 Wash skin and contaminated clothing thoroughly after handling.

P270 Do not eat, drink, or smoke when using this product.P280 Wear suitable protective gloves/protective clothing/eye

protection/face protection.

: P301+ IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel

P312 unwell.

P302+P352 : IF ON SKIN: Wash with plenty of soap and water.

P305+351+ IF IN EYES: Rinse cautiously with water for several minutes. Remove

P338 contact lenses, if present and easy to do. Continue rinsing.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

Dispose of contents/container in accordance with

local/regional/national/international regulations

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 = 2, Fire = 0, Reactivity = 0 HMIS RATINGS (SCALE 0-5) : Health = 2, 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#	EINECS #	GHS CLASSIFICATION	
Dipropylene glycol methyl ether	1-5	34590-94-8	252-104-2	Eye Irrit: Cat 2B	
Sodium Carbonate	10-20	497-19-8	207-838-8	Skin Irrit. Cat 2, Eye Irrit. Cat 2A	
Sodium Metasilicate	4.5	6834-92-0	229-912-9	Skin Corr: Cat 1B, Eye Dam: Cat 1	
				Metal Corr: Cat 1, STOT SE: Cat 3	
Propylene Glycol Butyl Ether	1-5	5131-66-8 &	225-878-4	Skin Irrit. Cat 2, Eye Irrit. Cat 2A	
		18821-83-7			
Ethylenediamine Tetraacetate Na salt	1-5	64-02-8	200-573-9	Skin Irrit Cat 2, Eye Dam Cat 2A	
Sodium Dodecylbenzene Sulfonate	0.1-1	25155-30-0	246-680-4	Skin Irrit Cat 4, Eye Dam Cat 2	
				Acute Tox Cat 4, STOT SE Cat 3	
Alcohol Ethoxylate	1-5	68439-46-3	Not Found	Eye Irrit Cat 2B	
D-Limonene (Citrus Terpenes)	1-5	5989-27-5	227-813-5	Flam Liq Cat 3, Acute Tox Oral Cat 5,	
				Skin Irrit Cat 2, Eye Irrit Cat 2A,	
				Skin Sens Cat 1, Acute Tox Aquatic Cat1	
Sodium Sulfate	5-10	7757-82-6	231-820-9	Skin Irrit. Cat 3, Eye Corr Cat 2B	

Irrit. = Irritation, Corr. = Corrosion, Cat. = Category, Dam = Damage, Tox = Toxic, STOT SE = Single Target Organ Toxicity Single exposure.

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. Get immediate medical attention.

SKIN CONTACT

Remove contaminated clothing and shoes. Wash affected skin area with soap and water. Delayed skin damage is possible if product is not completely washed off. Get immediate 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. Never give anything by mouth to an unconscious person. Get immediate medical attention.

INHALATION

Remove to fresh air. Get immediate 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 SPECIAL PROTECTIVE EQUIPMENT AND

Dry chemical, foam, water, or carbon dioxide.

PRECAUTIONS FOR FIRE

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.

FIGHTERS

No further relevant information is available.

UNUSUAL FIRE AND EXPLOSION HAZARDS

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS,
PROTECTIVE EQUIPMENT &
EMERGENCY PROCEDURES
ENVIRONMENTAL PROCEDURES

: Restrict access to keep out unauthorized or unprotected personnel. Wear protective equipment. Avoid inhalation and direct contact.

ENVIRONMENTAL PROCEDU METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP

: Keep spilled material away from sewage/drainage systems and waterways.

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
Sodium Carbonate	Not Established	Not Established	Not Established
Sodium Metasilicate	15min. Recommended: 2mg/m ³	Not Established	Not Established
Propylene Glycol Butyl Ether	Not Established	Not Established	Not Established
Ethylenediamine Tetraacetate (EDTA)	Not Established	Not Established	Not Established
Sodium Dodecylbenzene Sulfonate	Not Established	Not Established	Not Established
Alcohol Ethoxylate	Not Established	Not Established	Not Established
D-limonene	Not Established	Not Established	Not Established
Sodium Sulfate	Not Established	Not Established	Not Established

EYE PROTECTION SKIN PROTECTION

: Wear chemical splash goggles or face shield.

: 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 : Free flowing powde.

ODOR : Mild odor
ODOR THRESHOLD : Not available

PH : 11.2 (1% SOLUTION)

MELTING POINT/FREEZING : Not available

POINT

BOILING POINT : NOT EST.

FLASH POINT : > 200° F.

EVAPORATION RATE : Not available

FLAMMABILITY : Nonflammable-Noncombustible

LOWER FLAMMABILITY LIMIT:Not availableUPPER FLAMMABILITY LIMIT:Not availableVAPOR PRESSURE:Not availableVAPOR DENSITY (AIR=1):Not available

RELATIVE DESNITY : >1

SOLUBILITY IN WATER : Soluble in water PARTITION COEFFICIENT n- : Not available

OCTANOL/WATER

AUTOIGNITION TEMPERATURE : Not available DECOMPOSITION : Not available

TEMPERATURE

SECTION 10 - STABILITY AND REACTIVITY

STABILITY : Stable under recommended storage conditions.

HAZARDOUS CONDITONS TO : No decomposition if used according to specifications

AVOID

INCOMPATIBLE MATERIALS : Keep

HAZARDOUS DECOMPOSITION

PRODUCTS

Keep away from strong acids.

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

OSHA.

TOXICOLOGICAL INFORMATION : Sodium Carbonate

ACUTE TOXICITY: Not Classified. LD50 values: Oral LD50: 4090mg/kg (rat).

SKIN CORROSION/IRRITATION: Causes skin irritation.

SERIOUS EYE : Causes serious eye irritation.

DAMAGE/IRRITATION

TOXICOLOGICAL INFORMATION : Sodium Metasilicate

INHALATION : Dust is severely irritant to the respiratory tract. All symptoms of acute toxicity are

due to high alkalinity. Inhalation LC50 (rat) > 2.06 g/m^3 .

SKIN CONTACT : Material will cause chemical burns. Dermal LD50 (rat) > 5000 mg/kg.

EYE CONTACT: Material will cause chemical burns. May cause permanent damage if eye is not

immediately irrigated.

INGESTION: Material will cause chemical burns. All symptoms of acute toxicity are due to high

alkalinity. Oral LD50 (rat) 1152-1349 mg/kg.

SKIN CORROSION/IRRITATION

SERIOUS EYE : Corrosive to eyes.

DAMAGE/IRRITATION

SENSITISATION : Not sensitizing. (LLNA)
CARCINOGENICITY : No structural alerts.

MUTAGENICITY: No evidence of genotoxicity. In vitro/in vivo negative.

Corrosive to skin.

REPRODUCTIVE TOXICITY: No evidence of reproductive toxicity or developmental toxicity.

STOT – SINGLE EXPOSURE : Irritating to respiratory system.

STOT – REPEATED EXPOSURE : Not classified. NOAEL oral (rat) 227 mg/kg.

ASPIRATION HAZARD : Not applicable.

TOXICOLOGICAL INFORMATION : Propylene Glycol Butyl Ether

ACUTE TOXICITY : LD 50 Rat: 2,200 mg/kg **ACUTE INHALATION TOXICITY** : No data available

ACUTE DERMAL TOXICITY : LD 50 Rabbit: 3,100 mg/kg

TOXICOLOGICAL INFORMATION : Ethylenediamine Tetraacetate

ACUTE TOXICITY : LD50 Oral (rat): 630 - 1,260 mg/kg,

INHALATION LC50 : No data available
DERMAL LD50 : No data available
OTHER INFORMATION ON : No data available

ACUTE TOXICITY

TOXICOLOGICAL INFORMATION : Sodium Dodecylbenzene Sulfonate

ACUTE TOXICITY : LD50 Oral rat: 438 mg/kg.

INHALATION TOXICITY : No data available DERMAL TOXICITY : No data available

SKIN CORROSION/IRRITATION: Skin – rabbit Result: Skin irritation - 24 h

SERIOUS EYE : Eyes – rabbit Result: Severe eye irritation - 24 h

DAMAGE/IRRITATION

RESPIRATORY/SKIN: No data available

SENSITISATION

GERM CELL MUTAGENICITY : No data available

CARCINOGENICITY : No components of this product present at levels greater than or equal to 0.1% are

identified as probable, possible, or confirmed human carcinogen by IARC ACGIH, NTP

or OSHA.

TOXICOLOGICAL INFORMATION : Ethoxylated Alcohol

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 : D-Limonene (Citrus Terpenes)

ACUTE TOXICITY : LD50 Oral (rat): >5000 mg/kg. LD50 Dermal (rabbit): >5,000 mg/kg, RD50 Inhalation

(mice): > 1,000 mg/kg.

IRRITATION : Prolonged or repeated exposure can cause drying or dermatitis of skin.
 BIOACCUMULATION : No appreciable bio-concentration is expected in the environment.

CARCINOGENICITY : This product is not classified as a carcinogen by OSHA, IARC, ACGIH or NTP.

TOXICOLOGICAL INFORMATION : Sodium Sulfate

ACUTE TOXICITY : **INGESTION:** Oral LD50 (mouse) is reported to be 5,989 mg/kg.

IRRITATION : No data available. BIOACCUMULATION : No data available.

CARCINOGENICITY : Not listed as a carcinogen by the Environmental Protection Agency (EPA)

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 : No data available.

DEGRADABILITY

BIOACCUMULATIVE POTENTIAL: No data available.

ECOLOGICAL INFORMATION : Sodium Tripolyphosphate

ECOTOXICITY : Invertebrate: 48-hr LC50 Daphnia magna: > 1000 mg/L; Practically Nontoxic 96 hr. LC

50 > 100 mg/L, non-toxic (Rainbow trout, Inland silversides, and mysid shrimp). [FMC I89-1081, 1082 & 1083] 48 hr. LC 50> 100 mg/L, non-toxic (Daphnia magna) [FMC

189-1084]

PERSISTENCE and : No data available.

DEGRADABILITY

ENVIRONMENTAL FATE : Phosphates: Inorganic phosphates, including this product, at high concentrations in

the environment have the potential to cause eutrophication in aquatic systems. This condition is characterized by excessive algal growth, and subsequent decreases in oxygen levels. In general, proper use and disposal of this product should pose no

adverse ecological risk.

ECOLOGICAL INFORMATION : Sodium Metasilicate

TOXICITY : Fish (Brachy danio rerio) LC50 (96 hour) 210 mg/l. Aquatic invertebrates: (Daphnia

magna) EC50 (48 hour) 1700 mg/l.

BIODEGRADATION: This material is inorganic and not subject to biodegradation.

PERSISTENCE AND : Inorganic. Soluble silicates, upon dilution, rapidly depolymerize into molecular

DEGRADABILITY species indistinguishable from natural dissolved silica.

BIOACCUMULATIVE POTENTIAL: Inorganic. The substance has no potential for bioaccumulation.

MOBILITY IN SOIL : Not applicable.

RESULTS OF PBT AND vPvB : Not classified as PBT or vPvB.

OTHER ADVERSE EFFECTS : The alkalinity of this material will have a local effect on ecosystems sensitive to

changes in pH.

ECOLOGICAL INFORMATION : Propylene Glycol Butyl Ether

ECOTOXICITY: TOXICITY TO FISH : No data available TOXICITY TO DAPHNIA : No data available TOXICITY TO ALGAE : No data available TOXICITY TO BACTERIA : No data available

ECOLOGICAL INFORMATION: Ethylenediamine Tetraacetate

ECOTOXICITY : No data available.
PERSISTENCE AND : No data available.

DEGRADABILITY

BIOACCUMULATIVE POTENTIAL: No data available.

ECOLOGICAL INFORMATION: Sodium Dodecylbenzene Sulfonate

TOXICITY TO FISH : Mortality NOEC - Oncorhynchus kisutch - 3.1 mg/l - 3 d

Mortality LOEC - Oncorhynchus kisutch - 5.6 mg/l - 3 d

LC50 - Oncorhynchus mykiss (rainbow trout) - 3.2 - 5.6 mg/l - 96 h

ECOLOGICAL INFORMATION

Ethoxylated Alcohol

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

No data available.

DEGRADABILITY

: No data available. **BIOACCUMULATIVE POTENTIAL**

ECOLOGICAL INFORMATION

D-Limonene (Citrus Terpenes)

ECOTOXICITY

There is no information available at this time for this product. However, a spill may produce significant toxicity to aquatic organisms and ecosystems. Some studies have shown that certain bacteria and fungi have the ability to degrade citrus terpenes, decreasing their toxicity to fish. When spilled, this product may act as an oil, causing a film, sheen, emulsion or sludge at or beneath the surface of a body of water

MOBILITY Citrus Terpenes volatize rapidly.

PERSISTENCE AND

Readily biodegradable.

DEGRADABILITY

BIOACCUMULATIVE POTENTIAL

: Bio-concentration is not expected to occur.

ECOLOGICAL INFORMATION

Sodium Sulfate

ECOTOXICITY

FISH TOXICITY: TLm Bluegill - 12,750 ppm/96 hr.; LC50 Mosquito fish - 17,500 mg/l/48 hr. In turbid water, LC50 Fathead minnow - 13,500 to 14,000 mg/l/24 to 96 hr. in soft water; LC50 opossum shrimp - 11,300 ppm/48 hr.; LC50 sheepshead

minnows - >18,000 ppm/48 hr.

INVERTEBRATE TOXICITY

: LC50 Daphnia Magna - 4547 mg/l/96 hr.; LC50 Caddis fly - 320 mg/l/960 hr. in soft

water.

PERSISTENCE AND

No data available.

DEGRADABILITY

BIOACCUMULATIVE POTENTIAL : No data available.

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

HAZARD CLASS AND LABEL

EPA REPORTABLE QUANTITY

: Not Hazardous

SHIPPING NAME

PACKAGING GROUP

UN NUMBER

Not Applicable. Not Applicable. Not Applicable. Not Applicable.

(RQ)

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 : 2 NFPA FLAMMABILITY : 0 NFPA REACTIVITY : 0

EUROPEAN UNION REGULATORY INFORMATION:

EC CLASSIFICATION : Non-Hazardous

DSD/DPD RISK (R) PHRASES : R22: Harmful is swallowed.

R36/38: Irritating to eyes and skin.

DSD/DPD SAFETY (S) PHRASES : S1/2: Keep locked up and out of reach of children.

S24/25: Avoid contact with eyes and skin.

S26: In case of contact with eyes, rinse immediately with

plenty of water and seek medical advice.

S36/S37/39: Wear suitable protective clothing, gloves and

eye/face protection.

S45: In case of accidents or if you feel unwell, seek medical

advice immediately. Show label where possible.

S61: Avoid release to the environment. S62: If swallowed, do not induce vomiting.

S64: If swallowed, rinse mouth with water if victim is

conscious.

DSD/DPD HAZARD SYMBOL : Xi: Irritant

CANADIAN REGULATORY INFORMATION:

WHMIS CATEGORY : D2B: Materials that cause other toxic effects (TOXIC).

DOMESTIC SUBSTANCES LIST: Listed

(DSL)

INGREDIENT DISCLOSURE LIST : Listed



SECTION 16 – OTHER INFORMATION

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

without warranty, expressed or implied, as to the results of use of this information or to the product to which it relates. Hydramasster 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 GoodsIARC : 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

HMISHazardous Materials Identification System (USA)WHMISWorkplace Hazardous Materials Information System

LC50 : Lethal concentration, 50 percent

LD50 : Lethal dose, 50 percent

STOT : Systemic Target Organ Toxicity

DATE PREPARED : MAR 1, 2018 **DATE REVISED** : Nov 7, 2022