

THIS APPLIES TO UNDILUTED MATERIAL ONLY!



210 N Locust / PO Box 22
Pittsburg, Kansas

- SINCE 1977 -

1-800-421-4018 - Toll Free
1-620-231-4777 - Fax

Safety Data Sheet
HURRICANE-750
SDS Revision Date: 02/01/2020

1. Product and Company Name

1.1. Product identifier

Product Identity HURRICANE-750
Alternate Names NA ID NO: 550.20

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use See Product Label
Application Method See Tech Data Sheet

1.3. Details of the supplier of the safety data sheet

Company Name HY FLO
210 N. Locust
Pittsburg, KS. 66762
MFG. BY: Alkota Detergents PH: 712-765-1060

1.4 Medical and Emergency Spill Information
FOR MEDICAL EMERGENCY CALL 24/7

ROCKY MOUNTAIN POISON & DRUG SAFETY
PH: (303) 739-1146

FOR EMERGENCY SPILL, LEAK, FIRE,
EXPOSURE
CALL 24/7

CHEMTREC: (800) 424-9300
Outside U.S. (703) 527-3887

Customer Service: Hydrus Detergents

PHONE: (712) 859.3999
FAX: (712) 859.3998

2. Hazard identification of the product

2.1. Classification of the substance or mixture

Acute Tox. 5;H303 May be harmful if swallowed. (Not adopted by US OSHA)
Skin Corr. 1A;H314 Causes severe skin burns and eye damage.
Eye Dam. 1;H318 Causes serious eye damage.

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



Danger

H303 May be harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

[Prevention]:

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe mist / vapors / spray.

P264 Wash thoroughly after handling.

P280 Wear protective gloves / eye protection / face protection.

[Response]:

P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+361+353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.

P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P308+313 IF exposed or concerned: Get medical advice / attention.

P363 Wash contaminated clothing before reuse.

[Storage]:

P405 Store locked up.

[Disposal]: P501 Dispose of contents/container in accordance with local/national regulations.

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %
Ethylene glycol monobutyl ether CAS Number: 0000111-76-2	1.0 - 10
Sodium hydroxide CAS Number: 0001310-73-2	1.0 - 10
Disodium metasilicate CAS Number: 0006834-92-0	1.0 - 10
Proprietary surfactant	1.0 - 10

4. First aid measures

4.1. Description of first aid measures

General

In all cases of doubt, or when symptoms persist, seek medical attention.

Never give anything by mouth to an unconscious person.

NOTES TO PHYSICIAN: All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Inhalation

If breathing is difficult move to fresh air.

Eyes

Allow streaming water to flow over the face while blinking both eyes for 15 minutes for optimum irrigation. Get medical attention.

Skin

Wash area thoroughly with water while removing contaminated clothing/shoes. If irritation persists, consult physician. Discard any clothing or shoes that cannot be cleaned.

Ingestion

Do NOT induce vomiting. Give water or milk of Magnesia. Seek immediate medical attention. If vomiting occurs, keep airway passages open.

4.2. Most important symptoms and effects, both acute and delayed

Overview

IMMEDIATE CONCERNS: CAUTION: May cause eye or skin burns.

POTENTIAL SIDE EFFECTS:

EYES: Mist could cause eye damage if not treated immediately.

SKIN: May be irritant if not rinsed off.

INGESTION: May be an irritant to mouth and throat.

INHALATION: Avoid mist, may be an irritant.

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

EYES: Irritation

SKIN: Mist can cause skin irritation.

INGESTION: Can cause irritation to the stomach.

INHALATION: Avoid mist, can be an irritant.

ACUTE TOXICITY: Irritation may be caused with exposure to mist.

See section 2 for further details.

Eyes

May cause serious eye damage.

Skin

May cause severe skin burns and eye damage.

Ingestion

May be harmful if swallowed. (Not adopted by US OSHA)

5. Fire-fighting measures

5.1. Extinguishing media: Water, Carbon Dioxide, Foam, water.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: NA

Do not breathe mist / vapors / spray.

5.3. Advice for fire-fighters

Respiratory and eye protection are required for fire-fighting personnel. Full protective equipment (Bunker Gear) and self-contained breathing apparatus (SCBA) should be used for all indoor fires and any significant outdoor fires

ERG Guide No. ----

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

WATER SPILL: Use appropriate containment to avoid runoff.

LAND SPILL: Use appropriate containment to avoid runoff.

RELEASE NOTES: If spill could potentially enter any waterway, including intermittent dry creeks, contact the local authorities. If in the US, contact the US Coast Guard National Response Center toll free at 800-424-8802.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

SMALL SPILL: Shut off leak if it can be done without injury. Contain spill as much as possible and place in recovery container. Neutralize remaining spill with baking soda, flush with water.

LARGE SPILL: Shut off leak if it can be done without injury. Contain spill as much as possible and Place in recovery container. Neutralize remaining spill with baking soda, flush with water.

7. Handling and storage

7.1. Precautions for safe handling

Handle in a well ventilated area. Handle and use in a manner consistent with good industrial and/or manufacturing techniques and practices.

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool dry area. Keep container closed when not in use. Freeze/thaw stable, however container may become damaged when frozen.

Incompatible materials: Acids. Oxidizers.

See section 2 for further details. - [Storage]:

7.3. Specific end use(s): Industrial detergent.

8. Exposure controls and personal protection

8.1. Control parameters

EXPOSURE

CAS No.	Ingredient	Source	Value
0000111-76-2	Ethylene glycol monobutyl ether	OSHA	TWA 50 ppm (240 mg/m ³) [skin]
		ACGIH	TWA: 20 ppm Revised 2003,
		NIOSH	TWA 5 ppm (24 mg/m ³) [skin]
		Supplier	No Established Limit
0001310-73-2	Sodium hydroxide	OSHA	TWA 2 mg/m ³
		ACGIH	Ceiling: 2 mg/m ³
		NIOSH	C 2 mg/m ³
		Supplier	No Established Limit
0006834-92-0	Disodium metasilicate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	ACHAN TLV/OSHA 2mg/m ³ PEL 2mg/m ³

Carcinogen Data: No suspected or known carcinogens.

8.2. Exposure controls

Respiratory

Mist Mask

Eyes

Goggles, Safety Glasses.

Skin

Chemical resistant clothing such as coveralls/apron boots should be worn. When handling wear alkaline resistant gloves.

Engineering Controls
Other Work Practices

Provide adequate ventilation.
 Facilities storing or using this material should be equipped with an eyewash facility and a safety shower.
 Good personal hygiene practices should always be followed.

REMARKS: This product contains hazardous ingredients per OSHA 29 CFR 1910.1200. No PEL's TLV's or OEL's for this product or its ingredients are listed in the current issue of ACGIH's Guide to Occupational Exposure values nor have they been determined by the manufacturer.

See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

Appearance	Red Liquid
Odor	Ether
Odor threshold	Not Measured
pH	5% solution: 11.7
Melting point / freezing point	32 F
Initial boiling point and boiling range	> 212 F
Flash Point	> 212 F. ASTM D-56
Evaporation rate (Ether = 1)	NA
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: NA Upper Explosive Limit: NA
Vapor pressure (Pa)	70 F
Vapor Density	(Air=1) 1.2
Specific Gravity	5% solution 11.7
Solubility in Water	Soluble
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	NA
Decomposition temperature	NA
Viscosity (cSt)	NA
VOC %	NA
Molecular Weight	NA
Molecular Formula	NA
Coefficient of Oil/Water Distribution	NA

9.2. Other information: No other relevant information.

10. Stability and reactivity

- 10.1. **Reactivity:** Hazardous Polymerization will not occur.
- 10.2. **Chemical stability:** Stable under normal circumstances.
- 10.3. **Possibility of hazardous reactions:** No data available.
- 10.4. **Conditions to avoid:** Do not mix with acids.
- 10.5. **Incompatible materials:** Acids
- 10.6. **Hazardous decomposition products:** Oxides of Carbon

11. Toxicological information

Acute toxicity

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LD50, mg/L/4hr	Inhalation Dust/Mist LD50, mg/L/4hr	Inhalation Gas LD50, ppm
Ethylene glycol monobutyl ether - (111-76-2)	1,414.00, Guinea Pig - Category: 4	1,200.00, Guinea Pig - Category: 4	173.00, Guinea Pig - Category: NA	No data available	No data available
Sodium hydroxide - (1310-73-2)	6,600.00, Mouse - Category: NA	1,350.00, Rabbit - Category: 4	600.00, Mouse - Category: NA	No data available	No data available
Disodium metasilicate - (6834-92-0)	1,153.00, Rat - Category: 4	No data available	No data available	No data available	No data available

Proprietary surfactant	No data available	No data available	No data available	No data available	No data available
------------------------	-------------------	-------------------	-------------------	-------------------	-------------------

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	5	May be harmful if swallowed. (Not adopted by US OSHA)
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	1A	Causes severe skin burns and eye damage.
Serious eye damage/irritation	1	Causes serious eye damage.
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

12. Ecological information

12.1. Toxicity

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Ethylene glycol monobutyl ether - (111-76-2)	220.00, Fish (Piscis)	1,000.00, Daphnia magna	Not Available
Sodium hydroxide - (1310-73-2)	196.00, Poecilia reticulata	40.38, Ceriodaphnia dubia	Not Available
Disodium metasilicate - (6834-92-0)	210.00, Danio rerio	33.53, Ceriodaphnia dubia	400.00 (72 hr), Pseudokirchneriella subcapitata
Proprietary surfactant	Not Available	Not Available	Not Available

12.2. Persistence and degradability: There is no data available on the preparation itself.

12.3. Bioaccumulative potential: Not Measured.

12.4. Mobility in soil: No data available.

12.5. Results of PBT and vPvB assessment: This product contains no PBT/vPvB Chemicals.

12.6. Other adverse effects: No data available.

13. Disposal considerations

13.1. Waste treatment methods: Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	UN1719	UN1719	UN1719
14.2. UN proper shipping name	UN1719, Caustic, Alkali Liquids n.o.s., (Contains Sodium Hydroxide Solution, Sodium Metasilicate) 8, II	Caustic, Alkali Liquids n.o.s., (Contains Sodium Hydroxide solution, Sodium Metasilicate)	Not legal
14.3. Transport hazard class(es)	DOT Hazard Class: 8 DOT Label: 8	IMDG: 8 Sub Class: None	Air Class: Not Legal
14.4. Packing group	II	II	II
14.5. Environmental hazards			
IMDG	Marine Pollutant: No		
14.6. Special precautions for user:	No further information.		

15. Regulatory information

Regulatory Overview	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
Toxic Substance Control Act (TSCA)	All components of this material are either listed or exempt from listing on the TSCA Inventory.
WHMIS Classification	D2A E
US EPA Tier II Hazards	Fire: No Sudden Release of Pressure: No Reactive: No Immediate (Acute): Yes Delayed (Chronic): Yes

EPCRA 311/312 Chemicals and RQs (lbs.): Sodium hydroxide (1,000.00)

EPCRA 302 Extremely Hazardous : (No Product Ingredients Listed)

EPCRA 313 Toxic Chemicals: Ethylene glycol monobutyl ether

Proposition 65 - Carcinogens (>0.0%): (No Product Ingredients Listed)

Proposition 65 - Developmental Toxins (>0.0%): (No Product Ingredients Listed)

Proposition 65 - Female Repro Toxins (>0.0%): (No Product Ingredients Listed)

Proposition 65 - Male Repro Toxins (>0.0%): (No Product Ingredients Listed)

N.J. RTK Substances (>1%): Ethylene glycol monobutyl ether, Sodium hydroxide

Penn RTK Substances (>1%): Ethylene glycol monobutyl ether, Sodium hydroxide

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

We believe this Safety Data Sheet conforms to the requirements of US OSHA 29 CFR 1910.1200, 91/155/EEC and Canadian Hazardous Products Act. We believe the information contained on this Safety Data Sheet is current and offered in good faith. The information is provided for your guidance only. Hydrus Detergents makes no warranty of any kind, express or implied, concerning the accuracy or completeness of the information and data herein. It is the user's obligation to determine the suitability of this product for a specific purpose and the conditions for safe use of the product. We reserve the right to revise this Safety Data Sheet as newer information becomes available. Hydrus Detergents makes no warranty of any kind.

End of Document