



THIS APPLIES TO UNDILUTED MATERIAL ONLY!

Safety Data Sheet

LUMA POLISH₅₁₁

SDS Revision Date: 08/03/2020

1. Product and Company Name

1.1. Product identifier

Product Identity LUMA POLISH₅₁₁
Alternate Names NA ID NO: 511.20

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

Intended use See Product Label
Application Method See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name Hydrus Detergents
2621 7th Avenue South
Estherville, IA. 51334

1.4 Medical and Emergency Spill Information

**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) 765-1060
FAX: (712) 765-1062

2. Hazard identification of the product

2.1. Classification of the substance or mixture

Skin Corr. 1B;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

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

[Prevention]:

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.
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
Phosphoric Acid CAS Number: 0007664-38-2	1.0 - 10
Sulfuric Acid CAS Number: 0007664-93-9	1.0 - 10
Proprietary	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. See section 2 for further details.

Inhalation

Get into fresh air immediately, if breathing is difficult give oxygen. Seek medical attention immediately. Give mouth-to-mouth if respirations have stopped.

Eyes

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

Skin

In case of skin contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Seek medical attention if irritation persists. Discard any clothing/shoes that cannot be cleaned.

Ingestion

Do NOT induce vomiting. Give water or milk of Magnesia. Seek immediate medical attention.

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

Overview

IMMEDIATE CONCERNS: CAUTION: May cause eye or skin burns Clouding of cornea.

POTENTIAL SIDE AFFECTS

EYES: Could cause eye damage if not treated immediately.

SKIN: Irritation or burns if not treated immediately.

INGESTION: May be an irritant or cause burns to throat and/or stomach.

INHALATION: Avoid mist, may cause irritation, nausea, headaches and dizziness.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Irritation or burning.

SKIN: Mist can cause skin irritation or burning.

INGESTION: May cause throat and stomach irritation and/or burns.

INHALATION: Mist in the air may cause throat and stomach irritation and/or burns.

ACUTE TOXICITY: Exposure to mist can do serious damage to all routes of entry.

See Section 2 for further details.

Eyes

May cause serious eye damage.

Skin

May cause severe skin burns and eye damage.

5. Fire-fighting measures

5.1. Extinguishing media: Water, carbon dioxide, foam, dry chemical.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: High temperatures and fires.

Do not breathe mist / vapors / spray.

5.3. Advice for fire-fighters

Respiratory and eye protection are required for firefighting personnel. Full protective equipment and self-contained breathing apparatus should be used for all indoor fires and any significant outdoor fires.

Keep personnel removed and upwind of fire. Neutralize any spills with lime or soda ash.

ERG Guide No. 154

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.

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 with hazardous mats, pads or pillows. Place into recovery container. Neutralize any residue with baking soda or lime.
LARGE SPILL: Shut off leak if it can be done without injury. Contain spill with hazardous mats, pads or pillows. Place into recovery container. Neutralize any residue with baking soda or lime.
 Contain, dilute cautiously with water, and neutralize with soda ash or lime

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.

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

Handle containers carefully to prevent damage and spillage.

Store in a cool dry area. Store between -5C and 40C. Keep container closed when not in use. Freeze/thaw stable however container may crack when frozen.

Incompatible materials: Alkaline materials

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/m3) [skin]
		ACGIH	TWA: 20 ppm Revised 2003,
		NIOSH	TWA 5 ppm (24 mg/m3) [skin]
		Supplier	No Established Limit
0007664-38-2	Phosphoric Acid	OSHA	TWA 1mg/m3
		ACGIH	TWA: 1mg/m3STEL: 3mg/m3
		NIOSH	TWA 1mg/m3 ST 3mg/m3
		Supplier	No Established Limit
0007664-93-9	Sulfuric Acid	OSHA	TWA 1mg/m3
		ACGIH	TWA 0.2m/m3A1, Revised 2004
		NIOSH	TWA 1mg/m3
		Supplier	No Established Limit

Carcinogen Data : No suspected or known carcinogens.

8.2. Exposure controls

Respiratory

Use with mist mask.

Eyes

Safety glasses or goggles.

Skin

Chemical resistant gloves. Waterproof suit and boots

Engineering Controls

Provide adequate ventilation.

Other Work Practices

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

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

9. Physical and chemical properties

Appearance	Clear Liquid
Odor	Citrus
Odor threshold	Not Measured
pH	5% solution = < 2
Melting point / freezing point	< 32 F.
Initial boiling point and boiling range	Not Measured
Flash Point	NA
Evaporation rate (Ether = 1)	Not Measured
Flammability (solid, gas)	Not Applicable

Upper/lower flammability or explosive limits

Lower Explosive Limit: Not Measured

Upper Explosive Limit: Not Measured

Vapor pressure (Pa)

23@ 70 F

Vapor Density

(Air=1) 4.1

Specific Gravity

1.07

Solubility in Water

Soluble

Partition coefficient n-octanol/water (Log Kow)

Not Measured

Auto-ignition temperature

Not Measured

Decomposition temperature

Not Measured

Viscosity (cSt)

Not Measured

VOC%

NA

Molecular Formula

NA

Molecular Weight

NA

Coefficient of Oil/Water Distribution

ND

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 conditions

10.3. Possibility of hazardous reactions: Reacts with alkalis

10.4. Conditions to avoid: Do not mix with alkalis

10.5. Incompatible materials: Alkaline materials

10.6. Hazardous decomposition products: Heat

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
Phosphoric Acid – (7664-38-2)	1,530.00, Rat- Category:4	2,740.00, Rabbit- Category: 5	No data available	No data available	No data available
Sulfuric Acid – (7664-93-9)	2,140.00, Rat- Category:5	No data available	No data available	No data available	No data available
Proprietary	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)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	1B	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

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
Sulfuric Acid – (7664-93-9)	42.00, Gambusia affinis	42.50, Pandalus montagui	Not Available
Proprietary	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.

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	UN1760	UN1760	UN1760
14.2. UN proper shipping name	UN1760, Corrosive liquids, n.o.s. (Phosphoric Acid, Sulfuric Acid Solution) 8, II	Corrosive liquids, n.o.s. (Phosphoric Acid, Sulfuric Acid Solution)	Corrosive Liquids, n.o.s., (Phosphoric Acid, Sulfuric Acid Solution)
14.3. Transport hazard class(es)	DOT Hazard Class: 8 DOT Label: Corrosive	IMDG: 8 Sub Class: Not Applicable	Air Class: 8
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	D2B E
US EPA Tier II Hazards	Fire: No Sudden Release of Pressure: No Reactive: Yes Immediate (Acute): Yes Delayed (Chronic): No
EPCRA 311/312 Chemicals and RQs (lbs.):	Phosphoric Acid (5,000.00) Sulfuric Acid (1,000.00)
EPCRA 302 Extremely Hazardous :	Sulfuric Acid
EPCRA 313 Toxic Chemicals:	Ethylene glycol monobutyl ether, Sulfuric Acid
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, Phosphoric Acid, Sulfuric Acid
Penn RTK Substances (>1%):	Ethylene glycol monobutyl ether, Phosphoric Acid, Sulfuric Acid

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.

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