



POWERFUL DEGREASER

MSDS

MATERIAL SAFETY DATA SHEET

- This MSDS is being provided to your company for the purpose of providing current health and safety information to management and for your employees who work with this product. Please read the information on these sheets and then provide this information to those people at your company whose responsibility it is to comply with FEDERAL, STATE and COMMUNITY RIGHT TO KNOW regulations. Also, make this information available to any employee who requests it.

If LUMINOUS considers the formula of this product to be a trade secret, the exact chemical names of the ingredient(s) and the percentages in which they are combined will not appear in the body of this sheet. The exact composition is available upon request to physicians, industrial hygienists and other health professionals.

SECTION 1 – IDENTIFICATION



Product Name

powerful Degreaser



Phone

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United States



Company Name

Luminous



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SECTION 2 – HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

- ACUTE TOXICITY: ORAL, SKIN and INHALATION Category4
- SKIN CORROSION/IRRITATION Category2
- EYE DAMAGE/EYE IRRITATION Category2A

Label elements



Signal Word:

Warning

Hazard Statement:

1)H302 Harmful if swallowed. 2) H315 Causes skin irritation. 3)H319 Causes serious eye irritation

Precautionary Statements

Prevention: P264 Wash hands thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves and eye protection.

Response: P301 + P312 IF SWALLOWED: Call a POISON CENTER or a doctor/physician if you feel unwell. P330 Rinse mouth. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P321 Use Moisturizing cream. P332 + P313 If skin irritation occurs: Get medical attention. P362 Take off contaminated clothing and wash before reuse. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical attention.

Storage: Keep closed and away from children. Keep away from heat or flame.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE/MIXTURE: Mixture

PRODUCT DESCRIPTION: Degreaser

CHEMICAL NAME	CAS NUMBER	% IN PRODUCT
Alkylbenzenesulfonic acid	68584-22-5	3 to 6
Sodium Hydroxide	1310-73-2	< 2
Sodium Chloride	7647-14-5	<2
Sodium Laureth Sulfate - Biodegradable	68585-34-2	5 to 10
Deionized Water	7732-18-5	80 to 86

- There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8

SECTION 4 – FIRST AID MEASURES

DESCRIPTION OF NECESSARY FIRST AID MEASURES

EYE CONTACT:

Wash eyes immediately with large amounts of water.

INHALATION:

Move person to fresh air at once. If breathing has stopped, get medical attention immediately. Move person to fresh air at once. If breathing has stopped, get medical attention immediately.

SKIN CONTACT:

Wash contacted areas with mild soap and water.

INGESTION:

Do not induce vomiting. If person is conscious, give water. Get medical attention.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED POTENTIAL ACUTE HEALTH EFFECTS

- **EYE CONTACT:** Can cause severe irritation, redness, tearing, and blurred vision.
- **INHALATION:** Fine mist may cause irritation of the nose and throat.
- **SKIN CONTACT:** Any contact can cause moderate irritation
- **INGESTION:** Gastrointestinal irritation.

OVER-EXPOSURE SIGNS/SYMPTOMS

- **EYE CONTACT:** Adverse symptoms may include the following: Irritation
- **INHALATION:** Adverse symptoms may include the following: No significant effect
- **SKIN CONTACT:** Adverse symptoms may include the following: Irritation
- **INGESTION:** Adverse symptoms may include the following: Gastrointestinal irritation

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY

- **NOTES TO PHYSICIAN:** Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled
- **SPECIFIC TREATMENTS:** No specific treatment **Special Hazard**
- **PROTECTION OF FIRST -AIDERS:** No action should be taken involving any personal risk or without suitable training. Wash contaminated clothing thoroughly with water before removing it.

SECTION 5 – FIREFIGHTING MEASURES

Extinguishing Media

- **SUITABLE EXTINGUISHING MEDIA:** Regular Foam, Waterfog, Carbon Dioxide, or Dry Chemicals
- **UNSUITABLE EXTINGUISHING MEDIA:** None known
- **SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:** In a fire or if heated, a pressure increase will occur and the container may burst.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS

- **SPECIAL PROTECTIVE ACTIONS FOR FIRE-FIGHTERS:** -
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS: If there is a fire, promptly isolate the scene by removing all persons from the vicinity of the incident.
- **HAZARDOUS DECOMPOSITION:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
- **SPECIAL FIRE FIGHTING PROCEDURES:** Oxides of carbon or traces of hydrocarbons may be formed in small amounts.
- **UNUSUAL FIRE / EXPLOSION HAZARDS:** Clear fire area of personnel. Do not enter confined fire area without full bunker gear and positive pressure breathing apparatus. Not Listed

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

For non-emergency personnel

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk-through spilled material. Shut off all ignition sources. No flares, smoking or flares in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in for "For non-emergency personnel".

Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air)

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Small spill

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment. Dispose via a licensed waste disposal contractor.

Large spill:

Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g., sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Use spark-proof tools and explosion-proof equipment. Dispose via a licensed waste contractor. Contaminated absorbent material may pose the same hazard Use Gloves, Goggles, Boots and Breathing Mask. Small amounts do not need special measures. Clean up with water. For large spills remove all sources of ignition. Ventilate area. Absorb with an inert absorbent material. Avoid runoff into drains and sewers. All used and unused product should be disposed of in conformance with local, state, and federal regulations.

SECTION 7 – HANDLING AND STORAGE

Precautions for safe handling

- Put on appropriate protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Keep in the original container or an approved alternate made from a compatible material, keep tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Do not reuse container. Wash thoroughly after use.

Conditions for safe

- Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Do not store in unlabelled Store materials tightly closed and away from sunlight, warm confined spaces, heat and open flame. Never weld on or near containers either empty or full. Secure all chemicals out of the reach of children.

SECTION 8 – EXPOSURE CONTROL/PERSONAL PROTECTION

CONTROL PARAMETERS

OCCUPATIONAL EXPOSURE LIMITS

INGREDIENT NAME	CAS #	PEL/OSHA	TLV-ACGIH
Sodium Hydroxide	1310-73-2	2mg/Cubic M	2mg /Cubic M
EDTA - Biodegradable	64-02-8	50 ppm	25 ppm
Sodium Metasilicate	6834-92-0	3 Mg/Cubic M	3 Mg/Cubic M
Ethoxylated Alcohol	68439-46-3	Not Applicable	Not Applicable
Deionized Water	7732-18-5	Not Applicable	Not Applicable

APPROPRIATE ENGINEERING CONTROLS No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Individual protection measures

HYGIENE MEASURES: Wash hands forearms and face thoroughly after handling chemical products

EYE/FACE PROTECTION: Wear chemical safety goggles

SKIN PROTECTION: Avoid skin contact. Wear chemical resistant impermeable gloves

RESPIRATORY PROTECTION: None

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

SPECIFIC GRAVITY: 1.02

Color: Dark red **Odor:** Sour

VAPOR PRESSURE: <1 (low volatile)

PH: 12 **VOLATILES:** 100%

EVAPORATION RATE: Not Determined

BOILING POINT: >211 °F

VAPOR DENSITY: >1 Fall in air

FLASH POINT: None

SOLUBILITY: 100%

VOLATILE LIQUIDS THAT WILL EVAPORATE OVER TIME 98%

VOLATILE ORGANIC COMPOUND (VOC) CONTENT FOR CONSUMER

PRODUCTS APPLICATIONS PERCENT BY WEIGHT: 0%

SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY	No specific test data related to reactivity available for this product or its ingredients
CHEMICAL STABILITY	The product is stable
POSSIBILITY OF HAZARDOUS REACTIONS	Under normal conditions of storage and use, hazardous reactions will not occur
CONDITIONS OF INSTABILITY	When exposed to high temperatures or sun rays colors may fade and bottles may pan
CONDITIONS TO AVOID	-
HAZARDOUS DECOMPOSITION PRODUCTS	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 – TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY Not classified

IRRITATION/CORROSION

Eyes: Irritation

Skin: Irritation

Inhalation: No significant effect

Ingestion Gastrointestinal irritation



Sensitization: There is no data available

Mutagenicity: There is no data available

Carcinogenicity: There is no data available

Reproductive toxicity: There is no data available

Teratogenicity: There is no data available

Specific target organ toxicity (single exposure): There is no data available

Specific target organ toxicity (repeated exposure): There is no data available

Aspiration hazard: There is no data available

DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT AND LONG TERM EXPOSURE SHORT TERM EXPOSURE

Potential immediate effects: Not available

Potential delayed effects: Not available

LONG TERM EXPOSURE

Potential immediate effects: Not available

Potential delayed effects: Not available

POTENTIAL CHRONIC HEALTH EFFECTS

General: Not known significant effects or critical hazards

Carcinogenicity: Not known significant effects or critical hazards

Mutagenicity: Not known significant effects or critical hazards

Teratogenicity: Not known significant effects or critical hazards

Developmental effects: Not known significant effects or critical hazards

Fertility effects: Not known significant effects or critical hazards

SECTION 12 – ECOLOGICAL INFORMATION

- **Toxicity:** Not available
- **Persistence and degradability:** Not available
- **Bioaccumulate potential:** Not available
- **Mobility in soil: soil/water partition coefficient (K_{oc}):** Not available
- **Other adverse effects:** No known significant effects or critical hazards

SECTION 13 – DISPOSAL CONSIDERATIONS

- The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14 – TRANSPORTATION INFORMATION

	DOT	IMDG	IATA
UN number	Not regulated	Not regulated	Not regulated
UN proper shipping name	None	None	None
Transport hazard class(es)	Not classified as Hazardous for Transport	Not classified as Hazardous for Transport	Not classified as Hazardous for Transport
Packing group	Not applicable	Not applicable	Not applicable
Environmental hazards	No	No	No
Special precautions for user	Not available	Not available	Not available
Additional information			

SPECIAL PRECAUTIONS FOR USER

Special precautions for use Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident

SECTION 15 – REGULATORY INFORMATION

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs) Not listed

Clean Air Act Section 602 Class I Substances Not listed

Clean Air Act Section 602 Class II Substances Not listed

DEA List I Chemicals (Precursor Chemicals) Not listed

DEA List II Chemicals (Essential Chemicals) Not listed

SARA 302/304/311/312 extremely hazardous substances: Not applicable

SARA 302/304 emergency planning and notification: Not Applicable

SARA 302/304/311/312 hazardous chemicals: No products were found

SECTION 16 – OTHER INFORMATION

◆ VERSION=8/1/2019

◆ NFPA RATINGS: HEALTH = 1

◆ DATE OF ISSUE=8/20/2019

FLAMMABILITY = 0

REACTIVITY= 0

Disclaimer of Liability:

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