

ELBOW GREASE

Revision 01/30/2015

1. PRODUCT AND COMPANY IDENTIFICATION**Product Identifier****Recommended use****Distributed by:****Emergency Contact # (24 Hour)****ELBOW GREASE**

Cleaner

DyChem International

560 North 500 West

Salt Lake City, UT 84116

(800) 453-4606

InfoTrac (800) 535-5053

2. HAZARDOUS IDENTIFICATION**Classification of the substance or mixture**

Corrosive to metals (Category 1), H290
Skin corrosion (Category 1A), H314
Serious eye damage (Category 1), H318

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Hazard Statements

H290 – May be corrosive to metals
H314 – Causes severe skin burns and eye damage
H318 – Causes serious eye damage.

GHS label elements, including precautionary statements

Signal Word: Danger

Hazards not otherwise classified (HNOC)

None

3. COMPOSITION / INFORMATION ON INGREDIENTS**Substance(s) Description**

Ethylene Glycol Butyl Ether
Sodium Hydroxide
Sodium Tripolyphosphate
Nonylphenol Ethoxylate
Disodium Metasilicate
Proprietary Surfactant Blend

CAS#

111-76-2
1310-73-2
7758-29-4
9016-45-9
10213-79-3
N/A

Percentage

5 – 10
0.5 – 1
0.5 – 1
0.5 – 1
0.5 – 1
N/A

4. FIRST AID MEASURES**Inhalation First Aid**

Inhalation is unlikely; however, if it does occur, remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, administer oxygen. Seek medical attention.

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Skin Contact First Aid

Remove contaminated clothing and shoes. Wash exposed areas with soap and water. Contact a physician for burns or irritations that persist. Skin contact should be minimized, as ethylene glycol butyl ether can be absorbed through skin in toxic amounts through prolonged exposure.

Eye Contact First Aid

Contact with even diluted material should be treated immediately. Flush with plenty of water for at least 15 minutes holding eyelids apart to ensure flushing of entire eye surface. Seek medical attention, especially if in contact with concentrate.

Ingestion First Aid

Contact a physician immediately. Do not induce vomiting! Give large quantities of water or milk. Do not give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling.

Indication of any immediate medical attention and special treatment needed

No data available.

5. FIRE FIGHTING MEASURES**Extinguishing Media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special Hazards from mixture

This product is not defined as flammable or combustible; however, under fire conditions it may support combustion and produce toxic oxides of carbon and various hydrocarbons.

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary/available.

Further information

No data available.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions**

Avoid breathing vapors, mist or gas.

Protective equipment and emergency procedures

For personal protection see Section 8.

Environmental precautions

Avoid large concentrations of product in a confined area.

Materials for containment and clean up

Mop and/or absorbent materials

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Methods for cleanup containment

Completely contain spilled material and ventilate area. All persons cleaning up spill should be wearing protective clothing including respirator. Pump into approved container or absorb and dispose of in approved containers. As all the ingredients contained are present in many household items small spills may be diluted and skewed. Dispose of in accordance with local and federal laws.

Reference to other sections

See Section 13 for disposal procedures

7. HANDLING AND STORAGE**Precautions for safe handling**

Wear protective equipment when handling this product to avoid eye and skin contact. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage containers should be stored in a cool, dry and well-ventilated area away from strong oxidizing agents.

Specific end use(s)

Apart from the uses stated in Section 1, no other specific uses are stipulated.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

Personal Protective Equipment (PPE)**Respiratory Protection**

A respirator should be worn if exposed to excessive mists for prolonged periods.

Skin Protection

Gloves should be worn when excessive skin contact cannot be avoided.

Eye Protection

Chemical goggles or face shield is recommended to prevent contact with eyes.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form: Liquid **Color:** Yellow

Odor

Detergent

Odor Threshold

No data available

pH

> 13 (Concentrate)

Melting/Freezing point

No data available

Initial boiling point

No data available

Flash point

> 212.0 F (100.0 C)

Evaporation rate

No data available

Flammability (solid, gas)

No data available

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Explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density	1 g/cm ³
Water solubility	Complete
Partition coefficient n-octanol/water	No data available
Auto-ignition temperature	> 302°F (150°C)
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

10. STABILITY AND REACTIVITY

Reactivity	No data available
Chemical stability	Stable
Possibility of hazardous reactions	Hazardous polymerization will not occur
Conditions to avoid	Exposure to high temperatures
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	Toxic oxides of carbon and hydrocarbons In the event of fire: see Section 5

11. TOXICOLOGICAL INFORMATIONInformation on toxicological effects

	<u>Sodium Hydroxide</u>	<u>Ethylene Glycol Butyl Ether</u>
OSHA PEL/TWA	2 MG/M3	25PPM- TWA (Skin)
ACGIH TLV/TWA	2 MG/M3	20PPM- TWA (Skin)
Eye Contact	Burns/reversible damage with prompt first aid.	
Inhalation	Possible burns to respiratory tract.	
Skin Contact	Contact can cause burns.	
Ingestion	Ingestion may cause gastrointestinal burns.	
Chronic	No evidence of chronic effects from available data.	

12. ECOLOGICAL INFORMATION

12.1 Toxicity	no data available
12.2 Persistence and degradability	no data available
12.3 Bioaccumulative potential	no data available
12.4 Mobility in soil	no data available
12.5 Results of PBT and vPvB assessment	not available as chemical safety assessment not required/not conducted
PBT/vPvB assessment	
12.6 Other adverse effects	no data available

13. DISPOSAL CONSIDERATIONS

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Waste Treatment Methods

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Product	Offer surplus and non-recyclable solution to a licensed disposal company.
Contaminated packaging	Containers of this material may be hazardous when emptied since emptied containers retain product residues (vapor, liquid, and/or solid). Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)

UN number: 1760 **Class:** 8 **Packing group:** II
Proper shipping name: Sodium hydroxide solution **Poison Inhalation Hazard:** No

IMDG

UN number: 1760 **Class:** 8 **Packing group:** II
Proper shipping name: SODIUM HYDROXIDE SOLUTION **EMS-No:** F-A, S-B

IATA

UN number: 1760 **Class:** 8 **Packing group:** II
Proper shipping name: Sodium hydroxide solution

15. REGULATORY INFORMATION

All Ingredients are Listed on the TSCA Inventory

16. OTHER INFORMATION

Special Precautions or Other Comments: All hazard precautions given in the data sheet must be observed. The information accumulated herein is believed to be accurate but is not warranted to be regardless of whom it originates with. Recipients are advised to confirm prior to need that the information is current, applicable, and suitable to their circumstances.