



# SAFETY DATA SHEET

Issue Date 30-Nov-2009

Revision Date 15-Aug-2013

Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Grease Gobbler

### Other means of identification

**SDS #** E-008

**UN/ID No** UN1760

**Product Code** A26

### Recommended use of the chemical and restrictions on use

**Recommended Use** Cleaner/ Degreaser.

### Details of the supplier of the safety data sheet

#### **Supplier Address**

Emulso Corporation  
2750 Kenmore Avenue  
Tonawanda, NY 14150

### Emergency telephone number

**Company Phone Number** Phone: 716-854-2889

Fax: 716-854-2809

**Emergency Telephone** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

### Classification

Acute toxicity - Oral	Category 4
Skin corrosion/irritation	Category 1 Sub-category C
Serious eye damage/eye irritation	Category 1

### Signal word

**Danger**

### **Hazard statements**

Harmful if swallowed

Causes severe skin burns and eye damage



**Appearance** Clear liquid

**Physical state** Liquid

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
 Do not eat, drink or smoke when using this product  
 Do not breathe dust/fume/gas/mist/vapors/spray  
 Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 Immediately call a POISON CENTER or doctor/physician  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 Wash contaminated clothing before reuse  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Immediately call a POISON CENTER or doctor/physician  
 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
 Rinse mouth  
 Do NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not Applicable

**Other Information**

Not Applicable

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%	Trade Secret
Water	7732-18-5	to 100%	*
Potassium hydroxide	1310-58-3	0-10	*
Non-ionic Surfactant	Proprietary	0-10	*
Tetrapotassium pyrophosphate	7320-34-5	0-5	*
Sodium metasilicate	6834-92-0	0-5	*

### 4. FIRST AID MEASURES

**First aid measures**

**Inhalation**

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a physician immediately.

<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician immediately.
<b>Ingestion</b>	Rinse mouth. Do NOT induce vomiting. Drink 1 or 2 glasses of water. Call a POISON CENTER or doctor/physician if you feel unwell.
<b>Skin Contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. Get medical attention. Destroy contaminated shoes.

**Most important symptoms and effects, both acute and delayed**

<b>Symptoms</b>	Exposed individuals may experience eye tearing, redness and discomfort. Contact will cause irritation and redness to exposed areas. May cause irritation to the mucous membranes and upper respiratory tract. May cause burns to mouth, esophagus and stomach. Swallowing large quantities may cause gastrointestinal tract irritation, nausea, vomiting, and diarrhea.
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**Indication of any immediate medical attention and special treatment needed**

<b>Note to physicians</b>	Treat symptomatically.
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## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Not determined.

**Specific hazards arising from the chemical**

None known.

**Hazardous combustion products** Produces alkaline vapors in a fire.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Use personal protective equipment as required. Spills may be slippery.

**Environmental precautions** Prior permitting may be required before any detergent chemicals can be put into city sewers.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Sweep up and reclaim for use or flush to sewer.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Protect from freezing. Do not store at temperatures above 120°F. Do not mix with other chemicals.

**Incompatible materials** strong acids.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Potassium hydroxide 1310-58-3	Ceiling: 2 mg/m <sup>3</sup>	(vacated) Ceiling: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>
Sodium metasilicate 6834-92-0	2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>	-

**Appropriate engineering controls**

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits.

**Individual protection measures, such as personal protective equipment**

- Eye/face protection** Wear approved safety goggles.
- Skin and body protection** Wear rubber or neoprene gloves.
- Respiratory protection** Ensure adequate ventilation, especially in confined areas.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid	<b>Odor</b>	Not determined
<b>Appearance</b>	Clear liquid	<b>Odor threshold</b>	Not determined
<b>Color</b>	Clear		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	12.5-13.5	0.5% solution
<b>Melting point/freezing point</b>	Not determined	
<b>Boiling point/boiling range</b>	> 100 °C / >212 °F	
<b>Flash point</b>	Non-flammable	
<b>Evaporation rate</b>	Not determined	
<b>Flammability (solid, gas)</b>	n/a-liquid	
<b>Flammability Limits in Air</b>		
<b>Upper flammability limits</b>	Not determined	
<b>Lower flammability limit</b>	Not determined	
<b>Vapor pressure</b>	Not determined	
<b>Vapor density</b>	Not determined	
<b>Specific Gravity</b>	1.3	
<b>Water solubility</b>	Completely soluble	
<b>Solubility in other solvents</b>	Not determined	
<b>Partition coefficient</b>	Not determined	
<b>Autoignition temperature</b>	Not determined	

<b>Decomposition temperature</b>	Not determined
<b>Kinematic viscosity</b>	Not determined
<b>Dynamic viscosity</b>	Not determined
<b>Explosive properties</b>	Not determined
<b>Oxidizing properties</b>	Not determined

**Other Information****10. STABILITY AND REACTIVITY****Reactivity**

Not reactive under normal conditions

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to avoid**

Keep out of reach of children.

**Incompatible materials**

strong acids.

**Hazardous Decomposition Products**

Produces alkaline vapors in a fire.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information**

<b>Inhalation</b>	Avoid breathing vapors or mists.
<b>Eye contact</b>	Causes severe eye damage.
<b>Skin Contact</b>	Causes severe skin burns.
<b>Ingestion</b>	Harmful if swallowed.

**Component Information**

<b>Chemical Name</b>	<b>Oral LD50</b>	<b>Dermal LD50</b>	<b>Inhalation LC50</b>
Water 7732-18-5	> 90 mL/kg ( Rat )	-	-
Potassium hydroxide 1310-58-3	= 214 mg/kg ( Rat )	-	-
Non-ionic Surfactant	= 1310 mg/kg ( Rat )	= 2 mL/kg ( Rabbit )	-
Sodium metasilicate 6834-92-0	= 600 mg/kg ( Rat )	-	-
Tetrapotassium pyrophosphate 7320-34-5	-	> 4640 mg/kg ( Rabbit )	-

**Information on physical, chemical and toxicological effects**

**Symptoms** Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Numerical measures of toxicity- Product**

Not determined

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 1281 mg/kg  
 ATEmix (dermal) 27049 mg/kg

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Potassium hydroxide 1310-58-3		80: 96 h Gambusia affinis mg/L LC50 static		
Sodium metasilicate 6834-92-0		210: 96 h Brachydanio rerio mg/L LC50 semi-static 210: 96 h Brachydanio rerio mg/L LC50		216: 96 h Daphnia magna mg/L EC50
Tetrapotassium pyrophosphate 7320-34-5		100: 96 h Oncorhynchus mykiss mg/L LC50		100: 48 h water flea mg/L EC50

**Persistence and degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Not determined.

Chemical Name	Partition coefficient
Potassium hydroxide 1310-58-3	0.65 0.83

**Other adverse effects** Not determined

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

Chemical Name	California Hazardous Waste Status

Potassium hydroxide 1310-58-3	Toxic Corrosive
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## 14. TRANSPORT INFORMATION

### DOT

<b>UN/ID No</b>	UN1760
<b>Proper shipping name</b>	Corrosive liquids, n.o.s. (Potassium hydroxide, Sodium metasilicate)
<b>Hazard Class</b>	8
<b>Packing Group</b>	III
<b>Reportable Quantity (RQ)</b>	potassium hydroxide 1000 lbs

**"Per 49 CFR 173.154, Corrosive Materials (class 8) in Packing Group III may be reclassified as Limited Quantities in inner packagings of 1.3 gallons or less and are excepted from the labeling requirements."**

### IATA

<b>UN/ID No</b>	UN1760
<b>Proper shipping name</b>	Corrosive liquid, n.o.s. (Potassium hydroxide, Sodium metasilicate)
<b>Hazard Class</b>	8
<b>Packing Group</b>	III

### IMDG

<b>UN/ID No</b>	UN1760
<b>Proper shipping name</b>	Corrosive liquid, n.o.s. (Potassium hydroxide, Sodium metasilicate)
<b>Hazard Class</b>	8
<b>Packing Group</b>	III

## 15. REGULATORY INFORMATION

### International Inventories

#### Legend:

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*  
*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*  
*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*  
*ENCS - Japan Existing and New Chemical Substances*  
*IECSC - China Inventory of Existing Chemical Substances*  
*KECL - Korean Existing and Evaluated Chemical Substances*  
*PICCS - Philippines Inventory of Chemicals and Chemical Substances*

### US Federal Regulations

#### SARA 311/312 Hazard Categories

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Potassium hydroxide 1310-58-3	1000 lb			X
Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ		Reportable Quantity (RQ)
Potassium hydroxide 1310-58-3	1000 lb			RQ 1000 lb final RQ RQ 454 kg final RQ

### US State Regulations

#### U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania

Potassium hydroxide 1310-58-3	X	X	X
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**U.S. EPA Label Information****16. OTHER INFORMATION****NFPA****Health hazards**

Not determined

**Flammability**

Not determined

**Instability**

Not determined

**Special Hazards**

Not determined

**HMIS****Health hazards**

Not determined

**Flammability**

Not determined

**Physical hazards**

Not determined

**Personal protection**

Not determined

**Issue Date**

30-Nov-2009

**Revision Date**

15-Aug-2013

**Revision Note**

new format

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**