



NATIONAL PURITY, LLC.  
6840 SHINGLE CREED PKWY, STE 23  
BROOKLYN CENTER, MN 55430  
(612) 672-0022

## SAFETY DATA SHEET

### 1. Product and Company Identification

<b>Product Name</b>	<b>HILLYARD EMULSO DEGREASER</b>
<b>Product Number</b>	<b>546</b>
<b>Product Type</b>	Mixture
<b>Product Use</b>	Liquid Alkaline Degreaser/Cleaner for hard surfaces
<b>Supplier</b>	Hillyard Floor Care Supply Hutchinson 425 California St. NW Hutchinson, MN 55350
<b>Company Contact</b>	612-672-0022
<b>Emergency Telephone Number</b>	1-800-255-3924

### 2. Hazards Identification

#### GHS Classification in accordance with 29 CFR 1910 OSHA HCS

Flammable liquid (Category 4) H227  
Acute toxicity, Oral (Category 4) H302  
Skin corrosion/irritation, (Category 1B) H314  
Serious eye damage/irritation, (Category 1) H331  
Respiratory irritation (Category 3) H335  
Acute aquatic toxicity, (Acute 2) H401  
Chronic aquatic toxicity, (Chronic 3) H412

#### GHS Label elements, including precautionary statements

##### Pictogram



**Signal word** Danger

##### Hazard Statements

H227	Combustible liquid.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage
H335	May cause respiratory irritation.
H401	Toxic to aquatic life
H412	Harmful to aquatic life with long lasting effects.

##### Precautionary Statements

##### Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames, and other sources of ignition. No smoking.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P260	Do not breath mist, vapors, or spray.
P264	Wash hand and exposed skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well ventilated area.
P273	Avoid release to the environment.



#### Response

P370+P378 P301+P310+P330	In case of fire, use procedures appropriate to the main source of the fire. IF SWALLOWED, immediately call a POISON CENTER/doctor. DO NOT INDUCE VOMITING. Rinse mouth with water. Never give anything to an unconscious person.
P303+361+P353+P363	IF ON SKIN, Immediately take off all contaminated clothing. Rinse skin with water or shower if appropriate. Wash contaminated clothing before reuse.
P305+P351+P338	IF IN EYES, rinse cautiously for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.
P310 P304+P340+P312	Immediately call a POISON CENTER/doctor for medical assistance. IF INHALED: remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if feeling unwell.
<b>Storage/Disposal</b> P403+233 P405 P501	Store in a well ventilated place. Keep container tightly closed. Store locked up. Dispose of contents/container in accordance with local, state and federal regulations.

### 3. Composition/Information on Ingredients

The criteria for listing components in this section are: Ingredients that meet the criteria for carcinogenic, toxic to reproduction, or specific target organ toxicity and components otherwise considered hazardous according to OSHA which exceed the cut off limits for SDS specified by the criteria for mixtures are listed. Non hazardous components are not listed. This is not a composition disclosure. Exact percentages are considered proprietary and a trade secret.

Hazardous Components	CAS#	Classification	%
(Nonylphenoxy) polyethylene oxide	9016-45-9	H320, H313, H401	8-12%
Ethylene glycol monobutyl ether	111-76-2	H227, H316, H320	1-5%
Tetrasodium ethylenediamine tetraacetate	64-02-8	H315, H319, H335	1-5%
Potassium hydroxide	1310-58-3	H301, H314, H318, H402, H412	1-4%
Sodium xylene sulfonate	1300-72-7	H303, H313, H333	0-2%

### 4. First Aid Measures

#### Description of First Aid Procedures

<b>General Advice</b>	Consult a physician. Show this SDS to the doctor.
<b>In Case of Eye Contact</b>	Flush with cool running water for 15 minutes. Remove contact lenses if possible. Get immediate medical attention.
<b>In Case of Skin Contact</b>	Flush with cool water. If irritation occurs, get medical attention.
<b>If Ingested</b>	Rinse mouth with water. <b>Do not induce vomiting.</b> Obtain medical attention. Never give anything by mouth to an unconscious person.
<b>If Inhaled</b>	Move person to fresh air. If breathing difficulty persists, consult a physician.
<b>Notes to Physician</b>	Symptoms may be delayed.
<b>General advice</b>	Seek medical attention if feeling unwell. Show the SDS to the physician in attendance.

### 5. Fire-fighting Measures

<b>Flammable properties</b>	Combustible.
<b>Extinguishing media</b>	Use materials designed for source of fire. Treat as an alkaline material.
<b>Protection of firefighters</b>	Firefighters should wear protective clothing including self contained breathing apparatus.
<b>Hazardous combustion products</b>	May include and not limited to oxides of carbon, and nitrogen, and sulfur.
<b>Unusual Fire, Explosion hazards</b>	Containers may melt or rupture from heat of fire. May form combustible mixtures with air when heated..



## 6. Accidental Release Measures

<b>Personal precautions</b>	Keep unnecessary personal away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled containers unless wearing protective Clothing.
<b>Methods for containment</b>	Stop leak if you can do so without risk. Prevent entry into waterways, sewers.
<b>Methods for cleaning up</b>	Before attempting clean up, refer to hazard data given above. Small spills may be mopped up and rinsed. Large spills may be absorbed with non reactive absorbent and placed in suitable , covered, labeled containers. Rinse area with water. Never return spill to original container for reuse.
<b>Environmental precautions</b>	Keep out of waterways. Dispose of contents/containers in accordance with local, state, and federal regulations.

## 7. Handling and Storage

<b>Precautions for Safe Handling</b>	Use good industrial hygiene practices when handling this material. Wash contaminated clothing before reuse.
<b>Conditions for Safe Storage</b>	Keep container closed when not in use. Keep out of reach of children. Store in cool dry place, locked up.

## 8. Exposure Controls and Personal Protection

<b>Exposure Limits</b>			
<b>Ingredients</b>	<b>CAS#</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>
(Nonylphenoxy)polyethylene oxide	9016-45-9	Not available	Not available
Ethylene glycol monobutyl ether	111-76-2	Not available	Not available
Tetrasodium ethylenediamine tetraacetate	64-02-8	2mg/m <sup>3</sup>	2mg/m <sup>3</sup> Ceiling
Potassium hydroxide	1310-58-3	Not available	2mg/m <sup>3</sup> TLV
Sodium xylene sulfonate	1300-72-7	Not available	Not available
<b>Engineering controls</b>	Local exhaust ventilation recommended.		
<b>Personal protective equipment</b>			
<b>Eye/Face protection</b>	Wear safety glasses with side shields if splash conditions exist.		
<b>Hand protection</b>	Wear safety gloves.		
<b>Skin and body</b>	As required by employer code.		
<b>Respiratory protection</b>	Use a NIOSH approved respirator when exposure guidelines are exceeded.		
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene practices. Do not eat or drink when using product. Wash hands well before breaks and immediately after handling the product.		

## 9. Physical and Chemical Properties

<b>Information on basic physical and chemical properties</b>	
<b>Appearance/form</b>	Clear liquid
<b>Color</b>	Pink
<b>Odor</b>	Solvent
<b>Odor threshold</b>	Not established
<b>pH</b>	11.25 (1% solution)
<b>Melting/freezing point</b>	Not established
<b>Initial Boiling point</b>	≈212° F. ( 100° C.)
<b>Flash point</b>	162° F. ( 72° C.)
<b>Evaporation rate</b>	Not established
<b>Flammability</b>	Combustible
<b>Upper/lower flammability or Explosive limits</b>	Not established
<b>Vapor pressure</b>	Not established



<b>Specific gravity/density</b>	1.04	<b>Vapor density</b>	Not established
<b>Vapor density</b>	Not established		
<b>Solubility in water</b>	Complete		
<b>VOC</b>	< 1.0%		
<b>% Volatile</b>	Approx. 83%		

**Other Safety Information**

## 10. Stability and Reactivity

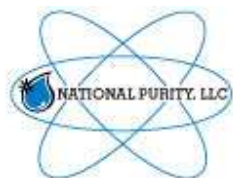
<b>Reactivity</b>	
<b>Chemical Stability</b>	Stable under normal storage conditions.
<b>Hazardous reactions</b>	None known.
<b>Conditions to avoid</b>	Do not mix with other chemicals.
<b>Incompatible materials</b>	Strong acids, alkalis, strong oxidizing agents.
<b>Hazardous decomposition products</b>	May include but not limited to oxides of carbon, and nitrogen.
<b>Hazardous polymerization</b>	Will not occur.

## 11. Toxicological Information

<b>Ingredients</b>	<b>LC50</b>
(Nonylphenoxy) polyethylene oxide	Not available
Ethylene glycol monobutyl ether	Not available
Tetrasodium ethylenediamine tetraacetate	Not available
Potassium hydroxide	Not available
Sodium xylene sulfonate	Not available
<b>Ingredients</b>	<b>LD50</b>
(Nonylphenoxy) polyethylene oxide	3310 mg/kg (Oral-rat), >2000mg/kg (dermal-rabbit)
Ethylene glycol monobutyl ether	Not available
Tetrasodium ethylenediamine tetraacetate	3,030 mg/kg (Oral-rat), >5,000 mg/kg (Dermal-rabbit)
Potassium hydroxide	Not available
Sodium xylene sulfonate	10,000 mg/kg (Oral-rat)
<b>Effects of acute exposure</b>	
<b>Eye</b>	Will cause eye damage.
<b>Skin</b>	Will cause severe skin burns.
<b>Ingestion</b>	Harmful if swallowed. May cause corrosive damage to mouth, throat and stomach.
<b>Inhalation</b>	May cause irritation of nose and throat.
<b>Sensitization</b>	Non hazardous.
<b>Chronic effects of short and long Term exposure</b>	Prolonged exposure to skin may cause drying, defatting and irritation.
<b>Carcinogenicity</b>	Does not contain ingredients considered carcinogenic by NTP, IARC, or OSHA.
<b>Mutagenicity</b>	No data available.
<b>Reproductive effects</b>	No data available.
<b>Teratogenicity</b>	No data available.

## 12. Ecological Information

<b>Eco-toxicity</b>	Ecological effects for this product have not been analyzed. However, if spilled this product and any contaminated soil may be toxic to aquatic life and have long lasting effects.
<b>Environmental effects</b>	No data Available.
<b>Aquatic toxicity</b>	
(Nonylphenoxy) polyethylene oxide	LC 50 Fish: 10mg/L - 96 hours
Tetrasodium ethylenediamine tetraacetate	LC 50 Fathead minnow: > 100mg/l -96 hours



<b>Bioaccumulation/accumulation</b>	<b>Persistence and Degradability</b>	No data available.
<b>Partition coefficient</b>	No data available.	
<b>Mobility in environmental media</b>	No data available.	
<b>Chemical fate information</b>	No data available.	
<b>Other adverse effects</b>	No data available.	

### 13. Disposal Considerations

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<b>Waste codes</b>	Not Available
<b>Disposal instructions</b>	Dispose in accordance with local, state, and federal regulations.
<b>Wastes from residues/unused product</b>	Containerize. Rinse area with water. Keep out of storm sewer/waterways.
<b>Contaminated packaging</b>	Dispose in accordance with all applicable regulations.

### 14. Transport Information

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<b>Basic shipping requirements:</b>	
<b>Proper shipping name</b>	Corrosive liquid, n.o.s. (Contains potassium hydroxide,), 8, UN1760, PG II
<b>Hazard class</b>	Corrosive liquid, 8
<b>UN number</b>	UN1760
<b>Packing group</b>	PG II
<b>Special provisions</b>	Not applicable

### 15. Regulatory Information

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<b>U.S federal regulations</b>	This product has been classified in accordance with the Occupational Safety and Health Administration hazard criteria and the SDS contains all of the information required by OSHA. HCS 2012	
<b>TSCA</b>	All ingredients are listed on the Toxic Substances Control Act or are exempt from listing.	
<b>Cercla SuperFund 40CFR117.302</b>	This product contains a material with a Reportable Quantity (RQ)	
<b>Potassium hydroxide</b>	RQ= 25,000 Lbs.	
<b>Ethylene glycol monobutyl ether</b>	RQ= 5,000 Lbs.	
<b>SARA Title III Section 311&amp;312</b>	Immediate (Acute) Health Hazard	
<b>SARA Title III Section 313</b>	Product does contain substances on the list of Toxic Chemicals per 40CFR372: Ethylene glycol monobutyl ether is subject to the reporting requirements of Section 313	
<b>States Right to Know</b>	Reportable chemicals: Potassium hydroxide, Sodium hydroxide < 0.03%, Formaldehyde < 0.002%.	
<b>California Proposition 65</b>	This product may contain trace amounts of chemicals known to the state of California to cause cancer: Formaldehyde (CAS# 50-00-0) < 0.002%.	
<b>Inventory Status</b>		
<b>Countries</b>	<b>Inventory Name</b>	<b>On Inventory (Yes/No)*</b>
U.S.	CIL	Yes
Canada	DSL	Yes

- A "Yes" indicates that all of the components of this product comply with the inventory requirements administered by the governing country(s) listed.



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## 16. Other Information

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### HMIS RATING

HMIS Legend

Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

<b>Health</b>	<b>3</b>
<b>Flammability</b>	<b>1</b>
<b>Reactivity</b>	<b>0</b>
<b>Personal Protection</b>	<b>B</b>

### Disclaimer

To the best of our knowledge, the information included herein is accurate. However, neither the above named supplier nor any of its subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

### Issue date

February 21, 2015

### Supersedes date

Previous issues

### Reason for update

Conform to GHS OSHA HCS 2012

### Expiration date

February 21, 2018