

## SAFETY DATA SHEET

### 1. Product and Company Identification

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<b>Product Name</b>	<b>HILLYARD GARFLOR</b>
<b>Product Number</b>	<b>134</b>
<b>Product Type</b>	Mixture
<b>Product Use</b>	Cleaner and degreaser for concrete floors.
<b>Manufacturer/Supplier</b>	<b>HILLYARD</b> 26 Michigan Street SE Hutchinson MN 55350
<b>Company Contact</b>	320-587-3236
<b>Emergency Telephone Number</b>	800-424-9300

### 2. Hazards Identification

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

Acute toxicity, Oral (Category 4) H302  
Skin corrosion/irritation, (Category 1B) H314, H317  
Serious eye damage/irritation, (Category 1) H318  
Respiratory irritation (Category 3) H335  
Acute aquatic toxicity, (Category 3) H402

#### GHS Label elements, including precautionary statements

##### Pictogram



##### Signal word

Danger

##### Hazard Statements

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H335	May cause respiratory irritation.
H402	Harmful to aquatic life.

##### Precautionary Statements

###### Prevention

P260	Do not breath mist, vapors, or spray.
P264	Wash hand and exposed skin thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
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

P301+P312	IF SWALLOWED, immediately call a POISON CENTER/doctor. DO NOT INDUCE VOMITING. Drink 1-2 glasses of water or milk. Never give anything to an unconscious person.
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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.

P310

Immediately call a POISON CONTROL/doctor.

P305+P351+P338

IF IN EYES, rinse cautiously for several minutes. Remove contact lenses if present. Continue rinsing

P337+P313

If eye irritation persists: Get medical advice/attention.

P304+P340

IF INHALED: remove person to fresh air and keep comfortable for breathing.

P312

Call a POISON CENTER/doctor if experiencing difficulty breathing or feeling unwell.

#### Storage/Disposal

P403+233

Store in a well ventilated place. Keep container tightly closed.

P405

Store locked up.

P501

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	%
Sodium carbonate	497-19-8	H319	40-45%
Sodium metasilicate pentahydrate	10213-79-3	H302, H314, H318, H402	38-42 %
Trisodium phosphate dodecahydrate	10101-89-0	H315, H319	10-15%
(Nonylphenoxy) polyethylene oxide	9016-45-9	H320, H313, H401	2-6%
Pine oil (Terpene alcohols)	8002-09-3	H226, H317, H410	0-2%

### 4. First Aid Measures

#### Description of First Aid Procedures

##### General Advice

Consult a physician. Show this SDS to the doctor.

##### In Case of Eye Contact

Flush with cool running water for 15 minutes. Remove contact lenses if possible. Get medical attention.

##### In Case of Skin Contact

Flush with cool water. If irritation occurs, get medical attention.

##### If Ingested

Drink one or two glasses of water. **Do not induce vomiting.** Obtain medical attention. Never give anything by mouth to an unconscious person.

##### If Inhaled

Move person to fresh air. If breathing difficulty persists, consult a physician.

##### Notes to Physician

Symptoms may be delayed.

##### General advice

Seek medical attention if feeling unwell. Show the SDS to the physician in attendance.

### 5. Fire-fighting Measures

#### Flammable properties

Not flammable.

#### Extinguishing media

Use materials designed for source of fire. Treat as an alkaline material.

#### Protection of firefighters

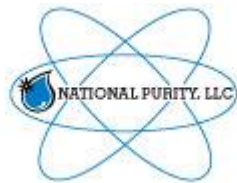
Firefighters should wear protective clothing including self contained breathing apparatus

#### Hazardous combustion products

May include and not limited to oxides of carbon, and nitrogen.

#### Unusual Fire, Explosion hazards

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>	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 picked up with suitable tool and placed in a container for disposal. Large spills may be shoveled up and placed in a suitable container for disposal. Residues can be rinsed with water and passed to sanitary sewer. Keep out of waterways. Dispose of contents/containers in accordance with local, state, and federal regulations.

## 7. Handling and Storage

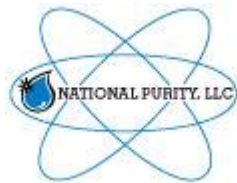
<b>Precautions for Safe Handling</b>	Use good industrial hygiene practices when handling this material. Wash contaminated clothing before reuse.
<b>Conditions for Safe Storage</b>	Keep container closed when not in use. Keep out of reach of children. Store in cool dry place, locked up.

## 8. Exposure Controls and Personal Protection

<b>Exposure Limits</b>			
<b>Ingredients</b>	<b>CAS#</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>
Sodium carbonate	497-19-8	Not available	
Sodium metasilicate	6834-92-0	15 mg/m <sup>3</sup> TWA (Total dust)	
Trisodium phosphate·12H <sub>2</sub> O	10101-89-0	Not available	
(Nonylphenoxy)polyethylene oxide	9016-45-9	Not available	
Pine Oil	8002-09-3	Not available	
<b>Engineering controls</b>	Exhaust ventilation recommended		
<b>Personal protective equipment</b>			
<b>Eye/Face protection</b>	Wear goggles or safety glasses with side shields if splash conditions exist.		
<b>Hand protection</b>	Wear rubber or neoprene safety gloves.		
<b>Skin and body</b>	As required by employer code.		
<b>Respiratory protection</b>	Use a dust mask or 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>	Powder
<b>Color</b>	Yellow
<b>Odor</b>	Pine
<b>Odor threshold</b>	Not established
<b>pH</b>	> 12.4 ( 1% solution)
<b>Melting/freezing point</b>	Not established
<b>Initial Boiling point</b>	>212° F. ( 100° C.)
<b>Flash point</b>	None
<b>Evaporation rate</b>	Not established
<b>Flammability</b>	Not flammable
<b>Upper/lower flammability or</b>	Not established



<b>Explosive limits</b>	Not established
<b>Vapor pressure</b>	Not established
<b>Vapor density</b>	Not established
<b>Specific gravity/density</b>	Not established
<b>Vapor density</b>	Not established
<b>Solubility in water</b>	Complete
<b>VOC</b>	< 1.0%
<b>% Volatile</b>	< 1.0%

#### Other Safety Information

## 10. Stability and Reactivity

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<b>Reactivity</b>	
<b>Chemical Stability</b>	Stable under normal storage conditions.
<b>Hazardous reactions</b>	
<b>Conditions to avoid</b>	Do not mix with other chemicals.
<b>Incompatible materials</b>	Strong acids, strong oxidizing agents and amines.
<b>Hazardous decomposition products</b>	May include but not limited to oxides of carbon, phosphorous, and nitrogen.
<b>Hazardous polymerization</b>	Will not occur

## 11. Toxicological Information

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<b>Ingredients</b>	<b>LC50</b>
Sodium carbonate	2.30 mg/l (Inhalation-rat) 2 hours
Sodium metasilicate	Not available
Trisodium phosphate dodecahydrate	Not available
Nonylphenoxy polyethylene oxide	Not available
Pine Oil	Not available
<b>Ingredients</b>	<b>LD50</b>
Sodium carbonate	2800 mg/kg (Oral-rat), > 2000 mg/kg (Dermal-rabbit)
Sodium metasilicate	1153 mg/kg (Oral-Rat), 770 mg/kg (Oral-mouse)
Trisodium phosphate dodecahydrate	7400 mg/kg (Oral-rat)
Nonylphenoxy polyethylene oxide	3310 mg/kg (Oral-rat), >2000mg/kg (dermal-rabbit)
Pine oil	2760 mg/kg (Oral-rat)
<b>Effects of acute exposure</b>	
<b>Eye</b>	Will cause eye serious 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>	Not known.
<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>	Non hazardous.
<b>Reproductive effects</b>	Non hazardous.
<b>Teratogenicity</b>	Non hazardous.

## 12. Ecological Information

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<b>Eco-toxicity</b>	Ecological effects for this product have not been analyzed. However, if spilled this product and any contaminated soil may be harmful to aquatic life. Sodium metasilicate is harmful to aquatic life in very low concentrations.
<b>Environmental effects</b>	LC50 (Mosquito fish) = 530mg/L. LC50 (Waterflea) 48 hours = 113mg/L Not Available



### Aquatic toxicity

Nonylphenoxy polyethylene oxide LC 50 Fish: 10mg/L 96 hours

### Persistence and Degradability

Sodium metasilicate Will persist in aquatic and terrestrial systems

<b>Bioaccumulation/accumulation</b>	Not Available
<b>Partition coefficient</b>	Not Available
<b>Mobility in environmental media</b>	Not Available
<b>Chemical fate information</b>	Not Available
<b>Other adverse effects</b>	Not Available

## 13. Disposal Considerations

<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.

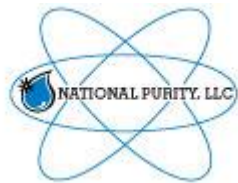
## 14. Transport Information

<b>Basic shipping requirements:</b>	US DOT Regulated.
<b>Proper shipping name</b>	UN3262 Corrosive solid, basic, inorganic, NOS ( contains sodium metasilicate, trisodium phosphate), 8, UN3262, PG III
<b>Hazard class</b>	Corrosive liquid, 8
<b>UN number</b>	UN3262
<b>Packing group</b>	PG III
<b>Special provisions</b>	Not applicable
<b>Packaging exceptions</b>	49CFR173.154 Limited quantity. Inner packaging not over 11 pounds (5.0kg) is exempt from labeling/placarding when not offered or intended for transportation by aircraft.

## 15. Regulatory Information

<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.	
<b>WHMIS</b>	Class E	
<b>Cercla SuperFund 40CFR117.302</b>	This product does not contain a material with a Reportable Quantity (RQ)	
<b>SARA Title III Section 311&amp;312</b>	Immediate (Acute) Health Hazard	
<b>SARA Title III Section 313</b>	Product does not contain substances on the list of Toxic Chemicals per 40CFR372	
<b>States Right to Know</b>	Reportable chemicals: Sodium metasilicate pentahydrate,	
<b>Inventory Status</b>	<b>Inventory Name</b>	<b>On Inventory (Yes/No)*</b>
<b>Countries</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.



## 16. Other Information

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### HMIS RATING

#### HMIS Legend

Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	3
Flammability	0
Reactivity	0
Personal Protection	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

August 17, 2015

### Supersedes date

Previous issues

### Reason for update

Update DOT information to Packaging Group III

### Expiration date

August 17, 2018