

SAFETY DATA SHEET

1. Product and Company Identification

Product Name	MARK SUPER DEGREASER
Product Number	P614C
Product Type	Mixture
Product Use	Liquid alkaline cleaner degreaser
Manufacturer/Supplier	National Purity, LLC. 6840 Shingle Creek Parkway, Suite #23 Brooklyn Center, MN 55430
Company Contact	612-672-0022
Emergency Telephone Number	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 3) H301,
Skin irritation, (Category 2) H314
Eye irritation, (Category 1) H318
Respiratory irritation (Category 4) H335
Acute aquatic toxicity, (Category 3) H402
Chronic aquatic toxicity, (Category 3) H412

GHS Label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard Statements

H227	Combustible liquid.
H301	Toxic if swallowed. May cause corrosive damage to mouth, throat, or stomach.
H314	Causes severe skin burns and eye damage.
H318	Causes severe eye damage.
H335	May cause respiratory irritation.
H402	Harmful to aquatic life.
H412	Harmful to aquatic life with long lasting effects

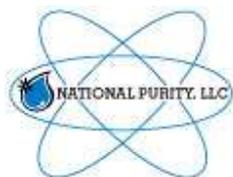
Precautionary Statements

Prevention

P210	Keep away from heat/sparks/open flames/hot surfaces and other sources of ignition. No smoking.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P261	Avoid breathing mist/vapors/spray.
P273	Avoid release to the environment.

Response

P370+P378	In case of fire, use procedures proper for the primary source of the fire.
P302+P352	IF ON SKIN, wash thoroughly with soap and water and rinse with plenty of water.
P312	Call a POISON CENTER/doctor if irritation occurs or if feeling unwell.



P362+P364 P301+P312+P330	Take off contaminated clothing and wash before reuse. IF SWALLOWED, immediately call a POISON CENTER/doctor. DO NOT INDUCE VOMITING. Rinse mouth with water.
P305+P351+P337+P313	IF IN EYES, rinse cautiously for several minutes. Remove contact lenses if present. Continue rinsing. If eye irritation persists, Get medical advice and attention
P304+P340+P312	IF INHALED: remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if having difficulty breathing or feeling unwell.
Storage/Disposal P403+P235+P340 P405 P501	Store in a well ventilated place. Keep cool. Keep container tightly closed. Store locked up. Dispose of contents/container in accordance with local/regional/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	%
2-Butoxyethanol	111-76-2	H227, H335	6-8%
Potassium hydroxide	1310-58-3	H301, H314, H318, H402, H412	4-6%
Dodecylbenzene sulfonic acid	27176-87-0	H301, H314, H318, H412	1-3%

4. First Aid Measures

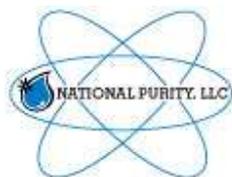
Description of First Aid Procedures	
General Advice	Consult a physician. Show this SDS to the doctor.
In Case of Eye Contact	Flush with cool running water for 15 minutes. Remove contact lenses if present. Get immediate medical attention.
In Case of Skin Contact	Wash with soap and water and rinse thoroughly with cool running water. Remove contaminated clothing. Get immediate medical attention if irritation persists.
If Ingested	Rinse mouth with water. Do not induce vomiting. Obtain immediate 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	Combustible.
Extinguishing media	Use dry chemical, foam, carbon dioxide or water fog.
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

Personal precautions	Keep unnecessary personal away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled containers unless wearing protective Clothing.
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**Methods for containment
Methods for cleaning up**

Stop leak if you can do so without risk. Prevent entry into waterways, sewers. Before attempting clean up, refer to hazard data given above. Eliminate all nearby sources of ignition and extinguish nearby heat sources and open flames. Small spills, may be mopped up and rinsed. Large spills, dike area to prevent from spreading. Absorb with non reactive absorbent and place in suitable, covered, and labeled container. Rinse area with water. Never return spill to original container. Avoid spills. Keep out of waterways.

Environmental precautions

7. Handling and Storage

Precautions for Safe Handling

Use good industrial hygiene practices when handling this material. Avoid contact with eyes, skin and clothing. Wash contaminated clothing before reuse.

Conditions for Safe Storage

Keep container closed when not in use. Keep out of reach of children. Keep away from heat or sources of ignition. Store locked up.

8. Exposure Controls and Personal Protection

Exposure Limits

Ingredients	CAS#	OSHA PEL	ACGIH TLV
2-Butoxyethanol	111-76-2	Not available	Not available
Potassium hydroxide	1310-58-3	Not available	2 mg/m ³ TLV
Dodecylbenzene sulfonic acid	27176 87-0	Not available	Not available

Engineering controls

General ventilation normally adequate.

Personal protective equipment

Eye/Face protection

Wear goggles or safety glasses with side shields if splash conditions exist. Have suitable eye wash water available.

Hand protection

Wear impermeable gloves to prevent contact with skin.

Skin and body

As required by employer code.

Respiratory protection

Use a NIOSH approved respirator when exposure guidelines are exceeded.

General hygiene considerations

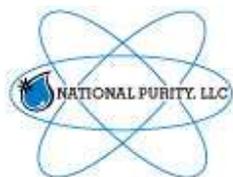
Handle in accordance with good industrial hygiene practices. Do not eat or drink when using product. Wash hands well before breaks and immediately after handling the product.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance/form	Clear liquid
Color	Colorless
Odor	Solvent odor
Odor threshold	Not established
pH	13.3-13.7 (concentrate)
Melting/freezing point	Not established
Initial Boiling point	≈212° F. (100° C.)
Flash point	145° F. (62.8° C.) CC
Evaporation rate	Not established
Flammability	Combustible
Upper/lower flammability or Explosive limits	Not established
Vapor pressure	Not established
Vapor density	Not established
Specific gravity/density	1.05-1.07
Solubility in water	Complete
VOC	< 10%
% Volatile	Approx. 88%

Other Safety Information



10. Stability and Reactivity

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

11. Toxicological Information

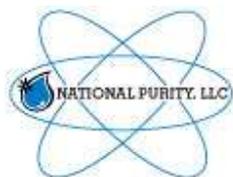
Ingredients	LC50
2-Butoxyethanol	Not available
Potassium hydroxide	Not available
Dodecylbenzene sulfonic acid	1.8 mg/l Acute inhalation
Ingredients	LD50
2-Butoxyethanol	Not available
Potassium hydroxide	Not available
Dodecylbenzene sulfonic acid	890 mg/kg (Acute oral-rat)
Eye	Causes severe eye damage.
Skin	May cause severe skin burns..
Ingestion	Harmful if swallowed. May cause corrosive damage to mouth, throat and stomach.
Inhalation	May cause irritation of nose and throat.
Sensitization	Non hazardous.
Chronic effects of short and long Term exposure	Prolonged exposure to skin may cause drying, defatting and irritation.
Carcinogenicity	Does not contain ingredients considered carcinogenic by NTP, or OSHA. IARC
Mutagenicity	Non hazardous.
Reproductive effects	Non hazardous.
Teratogenicity	Non hazardous.

12. Ecological Information

Eco-toxicity	Ecological effects for this product have not been analyzed. However, if spilled this products ingredients are harmful to aquatic life and may have long lasting effects. LC50 Fish: 4200 mg/l 96 hour estimated
Dodecylbenzene sulfonic acid	
Environmental effects	Not Available
Aquatic toxicity	Not Available
Persistence and Degradability	Not available
Bioaccumulation/accumulation	Not Available
Partition coefficient	Not Available
Mobility in environmental media	Not Available
Chemical fate information	Not Available
Other adverse effects	Not Available

13. Disposal Considerations

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



14. Transport Information

Basic shipping requirements:

Proper shipping name:	Potassium hydroxide solution, 8, UN1814, PG II
Hazard class	8
UN number	1814
Packing group	II
Special provisions	
Packaging exceptions	None

15. Regulatory Information

U.S federal regulations

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

TSCA

All ingredients are listed on the Toxic Substances Control Act

CERCLA Super Fund 40CFR117.302

Product contains a material with a Reportable Quantity (RQ)
2-Butoxyethanol RQ = 5000 Lbs.
Dodecylbenzene sulfonic acid RQ = 1000 Lbs.

SARA Title III Section 311&312

Immediate (Acute) Health Hazard

SARA Title III Section 313

2-Butoxyethanol is subject to the reporting requirements of section 313 of Title III SARA.

States Right to Know

Reportable chemicals:

2-Butoxy ethanol, Dodecylbenzene sulfonic acid, Potassium hydroxide

Warning

This product contains a chemical known to the state of California to cause cancer (Sulfuric acid <0.02%)

Inventory Status

Countries	Inventory Name	On Inventory (Yes/No)*
U.S.	CIL	Yes
Canada	DSL	Yes

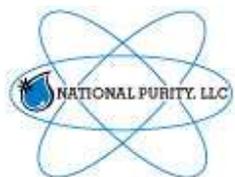
- A "Yes" indicates that all of the components of this product comply with the inventory requirements administered by the governing country(s) listed.

16. Other Information

HMIS RATING

HMIS Legend

Severe	4	Health	3
Serious	3	Flammability	1
Moderate	2	Reactivity	1
Slight	1	Personal Protection	B
Minimal	0		



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Disclaimer

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Issue date

January 17, 2015

Supersedes date

Previous issues

Reason for update

Conform to GHS OSHA HCS 2012

Expiration date

January 17, 2018