

Safety Data Sheet

Issue date: 8/1/2018

Section 1: Product and Company Information

Product Identifier: **Choice Degreaser**
Product Code/SKU: 360020-4, 360020-5


Recommended Use: Multi purpose degreaser
Restrictions on Use: Use only for purpose found on label.
Product Dilution Information: Follow label instructions

Section 2: Hazard Identification

Product as Sold

GHS Classification: Corrosive to metals - category 1
Skin irritation/corrosion
Eye irritation/eye damage

GHS Labeling Element
Signal Word: Danger

Symbol: 

Hazard Statement: Corrosive to metals
Causes skin and eye damage

Precautionary Statements:

Prevention: Wear protective clothing, gloves, and eye and face protection.

Response:

If swallowed: Rinse mouth, do not induce vomiting.
If on skin: Wash with water, remove contaminated clothing.

Inhalation: Remove person to fresh air - administer artificial respiration if not breathing.

If in eye: Flush continuously with water - remove contacts and continue flushing with water.

Treatment: Seek medical assistance if symptoms persist.

Storage: Keep product stored in original container, in an upright position, with container tightly closed.

Disposal: Dispose of contents/container according to local/regional regulations.

Other Hazards: None known

Section 3: Composition/Information on Ingredients

Product as Sold

Substance/Mixture:	Mixture	Product Identifier	%
Chemical name			
Sodium Hydroxide		CAS 1310-73-2	5-20 %
2-Butoxyethanol		CAS 111-76-2	2-12 %

There are no additional ingredients present which, within the current knowledge of the manufacturer and in the concentrations applicable, are classified as hazardous to health or to the environment and hence require reporting in this section. Concentration percentages are given as a claim for a trade secret is being made.

Section 4: First Aid Measures

First Aid Measures:		Product as Sold
General:		Never give anything by mouth to an unconscious person. If you feel unwell, then seek medical assistance.
If swallowed:		Rinse mouth, do not induce vomiting.
If on skin:		Wash with water, remove contaminated clothing.
Inhalation:		Remove person to fresh air - administer artificial respiration if not breathing.
If in eye:		Flush continuously with water - remove contacts and continue flushing with water.
Treatment:		Seek medical assistance if symptoms persist.
Important Symptoms and Effects:		both Acute and Delayed
Symptoms/Injuries:		Causes severe skin burns and eye damage. Effects of exposure may be delayed.
If swallowed:		Ingestion is likely to be harmful and have adverse health effects.
If on skin:		Causes skin burns.
Inhalation:		Symptoms may cause irritation to the respiratory tract.
If in eye:		Causes eye damage.
Recommendation:		Seek medical assistance if symptoms persist or concerns are present.
First Aid Providers		All first aid providers should receive proper training before performing any first aid act that would involve personal risk. Wash contaminated clothing with water thoroughly before removal or wear gloves.

Section 5: Firefighting Measures

Suitable Fire Extinguishing		
Media:		No special media necessary. Use extinguishing media appropriate for surrounding fire.
Special Hazards:		Product is non flammable and is not explosive. Product is corrosive to metals as sold.
Advice for Firefighters:		Exercise caution when fighting any chemical fire. Use a water spray to cool containers. Do not enter fire area without proper protective equipment, including respiratory protection.

Section 6: Accidental Release Measures

Personal Precautions:		Initiate company's spill procedures. Do not walk through or touch spilled product. Do not get on skin, in eyes, or on clothing. Put on appropriate personal protection equipment.
Environmental Precautions:		Avoid runoff into public waterways, sewers, or onto soil.
Methods for Clean Up:		Follow company's spill procedures. Put on appropriate protective clothing. Neutralize/absorb spilled product with inert material. Dispose of inert material by placing in suitable container. Dispose of waste safely. Rinse with water for a final clean up.

Section 7: Handling and Storage

Precautions for Safe Handling:		Do not get on skin, in eyes, or on clothing. Do not breathe vapor or mist. Do not handle until all safety procedures have been read and understood. Wash hands and other exposed areas with soap and water after handling.
Conditions for Safe Storage:		Keep product in original container, in an upright position, with container tightly closed. Keep out of reach of children.

Section 8: Exposure Controls/Personal Protection

Control parameters:		Exposure Limits	
Ingredient Name			
Sodium Hydroxide		USA ACGIH Ceiling	2 mg/m ³
		NIOSH REL	2 mg/m ³
		OSHA PEL (TWA)	2 mg/m ³
2-Butoxyethanol		USA ACGIH Ceiling	20 ppm
		Niosh REL	24 mg/m ³
		OSHA PEL (TWA)	240 mg/m ³

Product as Sold	
Engineering Controls:	Use adequate ventilation. Keep vapor/fumes below statutory limits. Provide availability to water to flush skin or eyes in case of exposure.
Personal Protection:	

Hand protection: Wear chemical resistant gloves
 Eye protection: Use chemical splash goggles. For severe exposure, wear face shield.
 Skin protection: Wear suitable protective clothing.
 Respiratory protection: Not necessary under normal operating and intended use of this product.
 General: Wash hands, face, and arms after handling chemical products and before eating, drinking, or using restroom. Wash contaminated clothing before wearing again.

Section 9: Physical and Chemical Properties

Product as Sold
 Physical state: Liquid
 Color: Purple
 Odor: Floral
 pH: 10-12
 Evaporation rate: No data available
 Melting point: No data available
 Freezing point: No data available
 Boiling point: No data available
 Flash point: No data available
 Explosion limits: No data available
 Flammability (solid/gas): No data available
 Vapor pressure: No data available
 Vapor density: No data available
 Relative density: >1 (water=1)
 Solubility: No data available
 Decomposition temperature: No data available

Section 10: Stability and Reactivity

Reactivity: Corrosive to metals.
 Chemical stability: Stable.
 Hazardous Reactions: Hazardous polymerization will not occur.
 Conditions to Avoid: Direct sunlight. Extreme temperatures. Contact with metal.
 Incompatible Materials: Strong acids. Strong bases. Strong oxidizers. Metals.
 Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not occur.

Section 11: Toxicological Information

Routes of Exposure: Ingestion. Skin contact. Inhalation. Eye contact.

Product as Sold

Symptoms: Ingestion: Adverse effects: stomach pains
 Skin Contact: Adverse effects: irritation, redness, blisters
 Inhalation: Adverse effects: cough, respiratory irritation
 Eye Contact: Adverse effects: redness, watering, irritation
 Acute Toxicity: Ingestion: May cause burns to mouth, throat, stomach
 Skin Contact: May cause skin burns
 Inhalation: May cause respiratory irritation
 Eye Contact: May cause serious eye damage.

Toxicity Data:	Chemical Name	Test Method	LD50/LC50
	Sodium Hydroxide (1310-73-2)	LD50 rabbit	1350 mg/kg
	2-Butoxyethanon (111-76-2)	LD50 oral rat	470 mg/kg
	2-Butoxyethanon (111-76-2)	LD 50 dermal rat	2270 mg/kg
	2-Butoxyethanon (111-76-2)	LD 50 dermal rabbit	220 mg/kg
	2-Butoxyethanon (111-76-2)	LC 50 inhalation rat	2.21 mg/4 hours
	2-Butoxyethanon (111-76-2)	LC 50 inhalation rat	450 ppm 4 hours

Carcinogenicity: No known effects or critical hazards

Reproductivity: No known effects or critical hazards

Section 12: Ecological Information

Toxicity:	Chemical Name	LD50/EC50	Exposure	Species	
	Sodium Hydroxide (1310-73-2)	LD50 Fish 1	45.4 mg/1	96 h	Lepomis macrochirus (static)
	2-Butoxyethanon (111-76-2)	LC50 Fish 1	1490 mg/1	96 h	Pimephales promelas
	2-Butoxyethanon (111-76-2)	EC50 Daphnia	1940 mg/1	24 h	Daphnia magna
	2-Butoxyethanon (111-76-2)	LC 50 Fish 2	2950 mg/1	96 h	Lepomis macrochirus
	2-Butoxyethanon (111-76-2)	EC50 2	>1000mg/1	48 h	Daphnia magna

Persistence and degradability: Not established

Bioaccumulative potential: Not established

Mobility in Soil: Not established

Other adverse effects: None noted

Section 13: Disposal Considerations

Product as Sold

Disposal methods: Dispose of waste in accordance with local, regional, and national regulations

Section 14: Transport Information

In accordance with: ICAO/IATA/DOT/TDG

Product as Sold

DOT Classification: UN 1824
DOT Shipping name: Sodium Hydroxide Solution
Class: 8
Packing Group: III
Bulk Transport: See shipping documents for specific transportation information
Marine Pollutant: No

Section 15: Regulatory Information

US Federal Regulations:

TSCA 8(b) Inventory	All components are listed or exempted
SARA 304	No chemicals subject to reporting
SARA 311/312	Acute health hazard
SARA 302	No chemicals subject to reporting
SARA 313	No chemicals subject to reporting

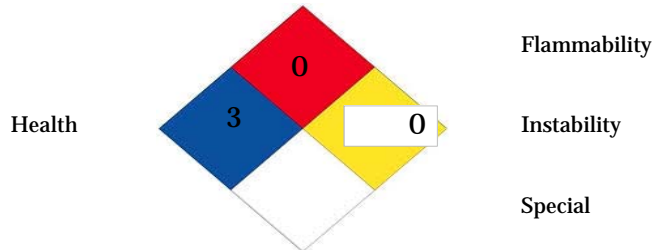
Section 16: Other Information

Product as Sold

Hazardous Material Information System:

Health	2
Flammability	0
Physical Hazards	0

National Fire Protection Association (U.S.A.)



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