

Safety Data Sheet

Issue date: 2/17/2015

Section 1: Product and Company Information

Product Identifier: **ACS Legend Concentrated Laundry Prespray**
Product Code/SKU: 12001206

Recommended Use: Laundry prespotter and presoak
Restrictions on Use: Use only for purpose found on label.
Product Dilution Information: Product is ready to use

Manufacturer: **American Chemical Systems II, LLC**
2520 South Sheridan St.
Wichita, KS USA 67217
(800)889-3489
americanchemicalsystems.com


Emergency Telephone: Chemtrec 1-800-424-9300 USA and Canada

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

Chemical name	Product Identifier	%
Sodium Hydroxide	CAS 1310-73-2	4 - 16%
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 being 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:

Ingredient Name

Exposure Limits

Sodium Hydroxide

USA ACGIH Ceiling

2 mg/m³

NIOSH REL

2 mg/m³

	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:	Clear
Odor:	Chemical
pH:	>10
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. Other Chemicals. Strong oxidizers. Metals. Mix only with water.
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.
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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:	Sodium Hydroxide (1310-73-2)	LD50 rabbit	1350 mg/kg
	2-Butoxyethanol (111-76-2)	LD50 oral rat	470 mg/kg
	2-Butoxyethanol (111-76-2)	LD 50 dermal rat	2270 mg/kg

2-Butoxyethanol (111-76-2)	LD50 dermal rabbit	220 mg/kg
2-Butoxyethanol (111-76-2)	LC50 inhalation rat	2.21mg/l 4 hours
2-Butoxyethanol (111-76-2)	LC50 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:

			Exposure	Species
Sodium Hydroxide (1310-73-2)	LD50 Fish 1	45.4 mg/l	96 h	Lepomis macrochirus [static]
2-Butoxyethanol (111-76-2)	LC50 Fish 1	1490 mg/l	96 h	Pimephales promelas
2-Butoxyethanol (111-76-2)	EC50 Daphnia	1940 mg/l	24 h	Daphnia magna
2-Butoxyethanol (111-76-2)	LC50 Fish 2	2950 mg/l	96 h	Lepomis macrochirus
2-Butoxyethanol (111-76-2)	EC50 Daphnia2	>1000mg/l	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

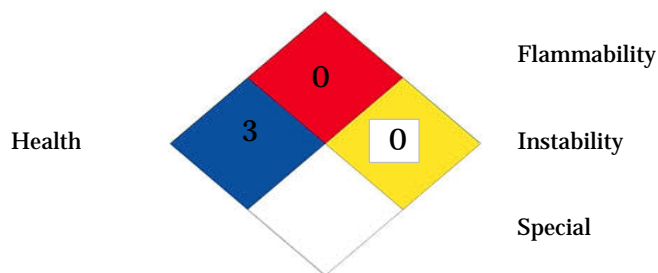
Product at use Dilution

Hazardous Material Information System:

Health	3
Flammability	0
Physical Hazards	0

Health	0
Flammability	0
Physical Hazards	0

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



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