Safety Data Sheet

Issue date: 2/17/2015

Section 1: Product and Company Information

Product Identifier: **ACS A-Pak Neutral Cleaner Concentrate**
Product Code/SKU: 18001803

Recommended Use: Heavy Duty Cleaner/Degreaser
Restrictions on Use: Use only for purpose found on label.
Product Dilution Information: Normal usage range 0.78%-3.125%
Manufacturer:

American Chemical Systems II, LLC
3505 W. 29th Street South
Wichita, KS USA 67217
(800)889-3489
americanchemicalsystems.com

Emergency Telephone: Chemtrec 1-800-424-9300 USA and Canada
Chemtrec 1-703-527-3887 Outside USA and Canada

Section 2: Hazard Identification

	Product as Sold	Product at use Dilution
GHS Classification:	Flammable liquid Skin irritation/corrosion Eye irritation/eye damage	Not classified
GHS Labeling Element		
Signal Word:	Danger	No signal word
Symbol:		No symbol
Hazard Statement:	Flammable liquid Causes skin and eye damage	No known significant effects or hazards
Precautionary Statements:		
Prevention:	Wear protective clothing, gloves, and eye and face protection.	Wash hands with water after handling
Response:		
If swallowed:	Rinse mouth, do not induce vomiting.	Seek medical assistance if symptoms persist.
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.	Dispose of contents/container according to local/regional regulations.
Other Hazards:	None known	None known

Section 3: Composition/Information on Ingredients

	Product as Sold		Product at use Dilution
Substance/Mixture:	Mixture		
Chemical name	Product Identifier	%	
2-Butoxyethanol	CAS 111-76-2	20 - 30%	Within the current knowledge of the manufacturer and in the concentrations applicable, there are no hazardous ingredients that would require reporting.

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	Product at use Dilution
General:	Never give anything by mouth to an unconscious person. If you feel unwell, then seek medical assistance.	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.	Seek medical assistance if symptoms persist.
If on skin:	Wash with water, remove contaminated clothing.	No known effect after skin contact. Rinse w/ water.
Inhalation:	Remove person to fresh air - administer artificial respiration if not breathing.	No specific measures required.
If in eye:	Flush continuously with water - remove contacts and continue flushing with water.	No know effect with eye contact. Flush 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.	Seek medical assistance if symptoms persist.
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.	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:	Flammable but is an aqueous solution.
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	
2-Butoxyethanol	USA ACGIH Ceiling	20 ppm
	Niosh REL	24 mg/m^3
	OSHA PEL (TWA)	240 mg/m^3

	Product as Sold	Product at use Dilution
Engineering Controls:	Use adequate ventilation. Keep vapor/fumes below statutory limits. Provide availability to water to flush skin or eyes in case of exposure.	Normal ventilation should be adequate to control vapor/fumes.

Personal Protection:

Hand protection:	Wear chemical resistant gloves	None needed under normal use conditions
Eye protection:	Use chemical splash goggles. For severe exposure, wear face shield.	None needed under normal use conditions
Skin protection:	Wear suitable protective clothing.	None needed under normal use conditions
Respiratory protection:	Not necessary under normal operating and intended use of this product.	None needed under normal use conditions
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	Product at use Dilution
Physical state:	Liquid	Liquid
Color:	Light Brown	Light Brown
Odor:	Chemical	Chemical
pH:	8 - 10	8 - 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:	No hazard.
Chemical stability:	Stable.
Hazardous Reactions:	Hazardous polymerization will not occur.
Conditions to Avoid:	Heat, sparks, open flame, and hot surfaces..
Incompatible Materials:	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.

		Product as Sold	Product at use Dilution
Symptoms:	Ingestion:	Adverse effects: stomach pains	No specific data
	Skin Contact:	Adverse effects: irritation, redness, blisters	No specific data
	Inhalation:	Adverse effects: cough, respiratory irritation	No specific data
	Eye Contact:	Adverse effects: redness, watering, irritation	No specific data
Acute Toxicity:	Ingestion:	May cause burns to mouth, throat, stomach	No known effects or critical hazards
	Skin Contact:	May cause skin burns	No known effects or critical hazards
	Inhalation:	May cause respiratory irritation	No known effects or critical hazards
	Eye Contact:	May cause serious eye damage.	No known effects or critical hazards

Toxicity Data:

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
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 macrohirus

2-Butoxyethanol (111-76-2)	EC50 Daphina2 >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	Product at use Dilution
Disposal methods:	Dispose of waste in accordance with local, regional, and national regulations	Diluted product may be drained to sanitary sewer. Discard empty container into trash.

Section 14: Transport Information

In accordance with: ICAO/IATA/DOT/TDG

	Product as Sold	Product at use Dilution
DOT Classification:	Not regulated	Product not to be transported in this manner
DOT Shipping name:	Not regulated	
Class:		
Packing Group:		
Bulk Transport:	See shipping documents for specific transportation information	
Marine Pollutant:	No	

Section 15: Regulatory Information

US Federal Regulations:

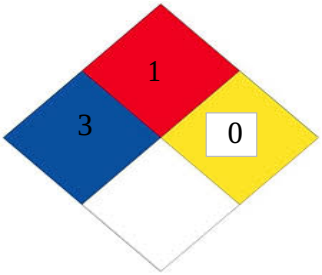
TSCA 8(b) Inventory	All components are listed or exempted
SARA 304	No chemicals subject to reporting
SARA 311/312	Acute health hazard
SARA 302	No chemicals subject to reporting
SARA 313	No chemicals subject to reporting

Section 16: Other Information

Hazardous Material Information System:

	Product as Sold		Product at use Dilution	
Health	3		Health	0
Flammability	1		Flammability	0
Physical Hazards	0		Physical Hazards	0

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



Health
Flammability
Instability
Special

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