

**EUCON BK-S BULK GALLONS**

Version 4.1

Print Date 01/21/2014

REVISION DATE: 08/06/2013

SECTION 1 - PRODUCT IDENTIFICATION

Trade name : EUCON BK-S BULK GALLONS
 Product code : 130 99

COMPANY : Euclid Chemical Company
 19218 Redwood Road
 Cleveland, OH 44110

Telephone : 1-800-321-7628
 Emergency Phone: : U.S. only: 1-800-424-9300
 International Users Call Collect: 1-703-527-3887

Product use : Admixture

SECTION 2 - HAZARDS IDENTIFICATION**Emergency Overview**

Amber. Liquid. No serious effects anticipated under normal conditions of use. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

Acute Potential Health Effects/ Routes of Entry

Inhalation : No serious effects anticipated under normal conditions of use.
 Eyes : Direct contact may cause mild irritation.
 Ingestion : May cause gastrointestinal irritation, nausea, and vomiting.
 Skin : May cause mild irritation.

Aggravated Medical Conditions

Pre-existing eye, skin and respiratory disorders may be aggravated by exposure.

Chronic Health Effects

Fillers are encapsulated and not expected to be released from product under normal conditions of use.

SECTION 3 - PRODUCT COMPOSITION

Chemical Name	CAS-No.	Weight %
Water	7732-18-5	> 60.0
Polyethylene glycol	25322-68-3	5.0 - 10.0
Coconut diethanolamide	68603-42-9	5.0 - 10.0
Triethanolamine	102-71-6	5.0 - 10.0
Benzenesulfonic acid,C10-16-alkyl derivatives	68584-22-5	5.0 - 10.0
Diethanolamine	111-42-2	0.1 - 1.0

SECTION 4 - FIRST AID MEASURES

Get immediate medical attention for any significant overexposure.

Inhalation : Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get

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medical attention.

Eye contact	:	Flush with water for 15 minutes. If irritation persists, get medical attention.
Skin contact	:	Wash area of contact thoroughly with hand cleaner followed by soap and water. If irritation, rash or other disorders develop, get medical attention immediately.
Ingestion	:	Get medical attention. Do not induce vomiting.
Notes to physician	:	Not applicable.

SECTION 5 - FIRE FIGHTING MEASURES

Flash point	:	Not available.
Method	:	Not available.
Lower explosion limit	:	Not available.
Upper explosion limit	:	Not available.
Autoignition temperature	:	Not available.
Extinguishing media	:	This product is not expected to burn under normal conditions of use.
Hazardous combustion products	:	Carbon monoxide and carbon dioxide can form. Smoke, fumes.
Protective equipment for firefighters	:	Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA).
Fire and explosion conditions	:	This product not expected to ignite under normal conditions of use.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Stop flow. Contain spill. Keep out of water courses. Absorb spill in sand, earth or other suitable material. Transfer to appropriate container for disposal. Use appropriate protective equipment. Avoid contact with material.

SECTION 7 - HANDLING AND STORAGE

Handle in compliance with common hygienic practices. Clean hands thoroughly after handling. Keep from freezing. Do not use in confined or poorly ventilated areas. Prevent inhalation of vapor, ingestion, and contact with skin eyes and clothing. Keep container closed when not in use. Precautions also apply to emptied containers. Store in sealed containers in a dry, ventilated warehouse location above freezing.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**Personal protection equipment**

Respiratory protection	:	Not required under normal conditions of use.
Hand protection	:	Use suitable impervious rubber or vinyl gloves and protective apparel to reduce exposure.
Eye protection	:	Wear appropriate eye protection. Wear chemical safety goggles and/or face shield to prevent eye contact. Do not wear contact lenses. Do not touch eyes with contaminated body parts or materials. Have eye washing facilities readily available.

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- Skin and body protection : Prevent contact with shoes and clothing. Use rubber apron and overshoes.
- Protective measures : Other equipment not normally required. Use professional judgment in the selection, care, and use.
- Engineering measures : Not required under normal conditions of use. Use local exhaust when the general ventilation is inadequate.

Exposure Limits

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Regulation</u>	<u>Limit</u>	<u>Form</u>
Triethanolamine	102-71-6	ACGIH TWA:	5 mg/m ³	
Diethanolamine	111-42-2	ACGIH TWA: vapor.	1 mg/m ³	Inhalable fraction and vapor.
Triethanolamine	102-71-6	ACGIH TWA:	5 mg/m ³	
Diethanolamine	111-42-2	ACGIH TWA: vapor.	1 mg/m ³	Inhalable fraction and vapor.
Sulfuric acid	7664-93-9	ACGIH TWA: OSHA PEL:	0.2 mg/m ³ 1 mg/m ³	Thoracic fraction.
Sulfur Dioxide	7446-09-5	ACGIH STEL: OSHA PEL:	0.25 ppm 13 mg/m ³	

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

- Form : Liquid
- Color : Amber
- Odor : Sweet
- pH : 7 - 10
- Vapour pressure : Not available.
- Vapor density : Heavier than air
- Melting point/range : Not available.
- Freezing point : Not available.
- Boiling point/range : Not available.
- Water solubility : Soluble
- Specific Gravity : 1.03
- % Volatile Weight : 71.6 %

SECTION 10 - REACTIVITY / STABILITY

- Substances to avoid : Strong acids. Strong bases.
- Stability : Stable
- Hazardous polymerization : Will not occur.

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SECTION 11 - TOXICOLOGICAL INFORMATION

Triethanolamine, CAS-No.: 102-71-6
Acute oral toxicity (LD-50 oral) 8,680 mg/kg (Rat) 8,000 mg/kg (Guinea pig)
Acute dermal toxicity (LD-50 dermal) 20,000 mg/kg (Rabbit)

Diethanolamine, CAS-No.: 111-42-2
Acute oral toxicity (LD-50 oral) 710 mg/kg (Rat) 1,820 mg/kg (Rat)

SECTION 12 - ECOLOGICAL INFORMATION

No Data Available

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Method : Waste not regulated under RCRA. Dispose of in compliance with state and local regulations.

SECTION 14 - TRANSPORTATION / SHIPPING DATA**CFR / DOT:**

Not Regulated

TDG:

Not Regulated

IMDG:

Not Regulated

SECTION 15 - REGULATORY INFORMATION**North American Inventories:**

All components are listed or exempt from the TSCA inventory.

This product or its components are listed on, or exempt from the Canadian Domestic Substances List.

U.S. Federal Regulations:

SARA 313 Components : None present or none present in regulated quantities.

SARA 311/312 Hazards : Acute Health Hazard

OSHA Hazardous Components :

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Triethanolamine	102-71-6
Diethanolamine	111-42-2
Glutaraldehyde	111-30-8
Triethanolamine	102-71-6
Diethanolamine	111-42-2
Sulfuric acid	7664-93-9
Dimethylformocarbthialdine	533-74-4

Sulfur Dioxide 7446-09-5

OSHA Status: Considered : Irritant
hazardous based on the
following criteria:

OSHA Flammability : Not Regulated

Regulatory VOC (less water and : 2 g/l
exempt solvent)
VOC Method 310 : 0 %

Chemical is listed as an IARC, NTP, OSHA, or ACGIH Carcinogen:

U.S. State Regulations:

MASS RTK Components	:	Triethanolamine	102-71-6
		Sulfuric acid	7664-93-9
		Sulfur Dioxide	7446-09-5
Penn RTK Components	:	Water	7732-18-5
		Polyethylene glycol	25322-68-3
		Coconut diethanolamide	68603-42-9
		Triethanolamine	102-71-6
		Benzenesulfonic acid,C10-16-alkyl derivatives	68584-22-5
NJ RTK Components	:	Water	7732-18-5
		Polyethylene glycol	25322-68-3
		Coconut diethanolamide	68603-42-9
		Triethanolamine	102-71-6
		Benzenesulfonic acid,C10-16-alkyl derivatives	68584-22-5

Components under California Proposition 65:

WARNING! Contains chemicals known to the State of California to cause cancer, birth defects and/or other reproductive harm



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SECTION 16 - OTHER INFORMATION

HMIS Rating :

Health	1
Flammability	0
Reactivity	0
PPE	

0 = Minimum
 1 = Slight
 2 = Moderate
 3 = Serious
 4 = Severe

Further information:

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.

Prepared by: Rich Mikol

Legend

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| ACGIH - American Conference of Governmental Hygienists | PEL - Permissible Exposure Limit |
| CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act | RCRA - Resource Conservation and Recovery Act |
| DOT - Department of Transportation | RTK - Right To Know |
| DSL - Domestic Substance List | SARA - Superfund Amendments and Reauthorization Act |
| EPA - Environmental Protection Agency | STEL - Short Term Exposure Limit |
| HMIS - Hazardous Materials Information System | TLV - Threshold Limit Value |
| IARC - International Agency for Research on Cancer | TSCA - Toxic Substances Control Act |
| MSHA - Mine Safety Health Administration | TWA - Time Weighted Average |
| NDSL - Non-Domestic Substance List | V - Volume |
| NIOSH - National Institute for Occupational Safety and Health | VOC - Volatile Organic Compound |
| NTP - National Toxicology Program | WHMIS - Workplace Hazardous Materials Information System |
| OSHA - Occupational Safety and Health Administration | |