



**BCS FLUIDS, LLC**

## **SAFETY DATA SHEET**

### **1. Identification**

<b>PRODUCT IDENTIFIER</b>	<b>DD- DETERGENT</b>
<b>RECOMMENDED USE</b>	<b>NOT AVAILABLE</b>
<b>RECOMMENDED RESTRICTIONS</b>	<b>NOT AVAILABLE</b>
<b>MANUFACTURER/IMPORTER/SUPPLIER/DISTRIBUTOR INFORMATION</b>	

<b>COMPANY NAME</b>	<b>BCS Fluids, LLC</b>
<b>COMPANY ADDRESS</b>	<b>P.O. Box 1120</b> <b>MANDEVILLE, LA 70471</b>
<b>TELEPHONE</b>	<b>985-893-6600</b>
<b>EMERGENCY PHONE</b>	<b>855-BCS-Fluids</b>
<b>WEBSITE</b>	<b><u><a href="http://www.BCSFluids.com">www.BCSFluids.com</a></u></b>

### **2. Hazards Identification**

## **GHS CLASSIFICATION**

#### **HAZARD**

**SERIOUS EYE IRRITATION**  
**SKIN IRRITATION**  
**ACUTE TOXICITY (ORAL)**  
**ACUTE TOXICITY (DERMAL)**  
**ACUTE TOXICITY (INHALATION)**

#### **CATEGORIES**

**CATEGORY 2A**  
**CATEGORY 2**  
**CATEGORY 4**  
**CATEGORY 4**  
**CATEGORY 4**

#### **PICTOGRAMS:**



#### **SIGNAL WORD WARNING**

## **Hazard Statements**

### **PHYSICAL HAZARDS:**

NONE

### **HEALTH HAZARDS:**

**H302** Harmful if swallowed  
**H312:** Harmful in contact with skin  
**H315:** Causes skin irritation  
**H319:** Causes eye serious irritation  
**H332:** Harmful if inhaled

### **ENVIRONMENTAL HAZARDS:**

**H412:** None

### **PRECAUTIONARY STATEMENTS:**

**P202:** Do not handle until all safety precautions have been read and understood  
**P261:** Avoid breathing vapors or mist  
**P280:** Wear protective gloves and eye protection

### **RESPONSE STATEMENTS:**

**P301 + P310 + P331:** IF SWALLOWED: Immediately call the NATIONAL POISON CENTER AT 800-222-1222. DO NOT induce vomiting  
**P303 + P361 + P353:** IF ON SKIN Take off immediately all contaminated clothing. Rinse skin with water  
**P304 + P340:** IF INHALED, Remove to fresh air and keep comfortable for breathing  
**P305 + P351:** IF IN EYES Rinse cautiously with water for at least 15 minutes  
**P306 + P361:** IF ON CLOTHING, Take off contaminated clothing  
**P370:** In case of fire use foam, carbon dioxide, dry chemical to extinguish fire  
**P376:** Stop leaks if safe to do so. See section 6 for proper clean up

### **STORAGE STATEMENTS:**

**P403 + P233:** Store in a well-ventilated place. Keep container tightly closed

### **DISPOSAL STATEMENTS:**

**P501:** Dispose of content and/or container in accordance with local, regional, national and/or international regulations

## **3. Composition / Information on Ingredients**

CAS#	Chemical Names	Percent	Other Identifiers
N/A	Ethoxylated Alcohol, Ether, Alkali Surfactant Blend	10- 15%	NONE

	WATER	85 -90%	N/A
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#### Blend CONTAINS

CHEMICAL NAMES	CAS#
Ethylene Glycol Monobutyl Ether	111-76-2
Potassium hydroxide	1310-58-3
Ethoxylated alcohols phosphate ether	68130-47-2
Alcohols, C8-10, ethoxylated	71060-57-6
Orthophosphoric acid	7664-38-2
Sodium xylene sulfonate	1300-72-7

## 4. - First Aid MEASURES

**Eye:** CONTACT WITH THE EYES CAN CAUSE SERIOUS IRRITATION. SYMPTOMS MAY INCLUDE DISCOMFORT OR PAIN AND REDNESS. SEVERE OVEREXPOSURE CAN RESULT IN SWELLING OF THE CONJUNCTIVA ALONG WITH TISSUE DAMAGE.

**Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

**Skin:** CAUSES skin irritation

**Skin:** Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately. Wash clothing before reuse.

**Ingestion:** Liquid ingestion can cause inebriation, headache, gastrointestinal pain, nausea, and vomiting leading to central nervous system depression. Aspiration of liquid into the lungs must be avoided as even small quantities in the lungs can produce chemical pneumonia, pulmonary edema and even death.

**Ingestion:** Do NOT induce vomiting. Get medical aid immediately.

**Inhalation:** Prolonged breathing of high vapor concentrations can produce headache, dizziness, nausea, and impaired vision. Excessive overexposure can cause central nervous system depression, loss of consciousness, liver damage and death resulting from respiratory failure.

**Inhalation:** Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult and if trained, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation without protection.

*After first aid, get appropriate paramedic, or community medical support.*

**Note to Physicians:** The severity of outcome following ingestion may be more related to the time between ingestion and treatment, rather than the amount ingested. Therefore, there is a need for rapid treatment of any ingestion exposure.

## 5. FIRE-FIGHTING MEASURES

### GENERAL FIRE HAZARDS

NOT FLAMMABLE.

### Extinguishing Media

Dry chemical, carbon dioxide, or foam is recommended. Water spray is recommended to cool or protect exposed materials or structures.

### Fire Fighting Equipment/Instructions

Fire fighters should wear full-face, self-contained breathing apparatus and impervious protective clothing. Fire fighters should avoid inhaling any combustion products.

## 6. ACCIDENTAL RELEASE MEASURES

**Spill /Leak Precautions:** EVACUATE THE AREA IMMEDIATELY. ISOLATE THE HAZARD AREA. KEEP OUT UNNECESSARY AND UNPROTECTED PERSONNEL. INCREASE VENTILATION TO AREA OR MOVE CONTAINER TO A WELL-VENTILATED AND SECURE AREA.

DO NOT TOUCH DAMAGED CONTAINERS OR SPILLED PRODUCT UNLESS WEARING APPROPRIATE PROTECTIVE EQUIPMENT. BEFORE ENTRY, ESPECIALLY INTO CONFINED AREAS, CHECK ATMOSPHERE WITH AN APPROPRIATE MONITOR.

### Methods for Containment and Clean-up:

**Small spillage** Stop leak if it can be done without risk. Dike spill using absorbent or impervious materials such as earth, sand or clay. Dike or retain dilution water or water from firefighting for later disposal.

**Large spillage** Stop leak if it can be done without risk. Dike spill using absorbent or impervious materials such as earth, sand or clay. Dike or retain dilution water or water from firefighting for later disposal. Pump any free liquid into an appropriate closed container. Absorb spill with an inert absorbent. Scrape up and place in appropriate closed container.

## 7. HANDLING AND STORAGE

**Handling Precautions:** AVOID CONTACT WITH SKIN AND EYES. AVOID INHALATION OF VAPOR OR MIST. KEEP AWAY FROM SOURCES OF IGNITION - NO SMOKING. TAKE MEASURES TO PREVENT THE BUILDUP OF ELECTROSTATIC CHARGE.

**Storage Requirements:** STORE IN ORIGINAL MANUFACTURE CONTAINER tightly closed container in a cool, dry and well-ventilated area.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

CHEMICAL NAMES	ACGIH TLV	OSHA - PELs
Ethylene Glycol Monobutyl Ether	25 ppmTWA	*50 ppmTWA
Potassium hydroxide	0.2mg/m <sup>3</sup> C	0.2mg/m <sup>3</sup> C
Ethoxylated alcohols phosphate ether	NONE FOUND	NONE FOUND
Alcohols, C8-10, ethoxylated	NONE FOUND	NONE FOUND
Orthophosphoric acid	1 mg/m <sup>3</sup>	1mg/m <sup>3</sup>

Sodium xylene sulfonate	NONE FOUND	NONE FOUND
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**NOTE:** TWA MEANS "TWA is the employee's average airborne exposure in any 8-hour work shift of a 40-hour work week which shall NOT be exceeded." C MEANS: "Ceiling limit refers to the concentration of a chemical or material that no person should be exposed to for any period of time to prevent ill effects or death."

#### ENGINEERING CONTROLS:

**VENTILATION:** PROVIDE GENERAL OR LOCAL EXHAUST VENTILATION SYSTEMS TO MAINTAIN AIRBORNE CONCENTRATIONS BELOW OSHA PELs LOCAL EXHAUST VENTILATION IS PREFERRED BECAUSE IT PREVENTS CONTAMINANT DISPERSION INTO THE WORK AREA BY CONTROLLING IT AT ITS SOURCE.

**PROTECTIVE CLOTHING/EQUIPMENT:** WEAR CHEMICALLY PROTECTIVE GLOVES, BOOTS, APRONS, AND GAUNTLETS TO PREVENT PROLONGED OR REPEATED SKIN CONTACT. WEAR PROTECTIVE EYEGLASSES OR CHEMICAL SAFETY GOGGLES, PER OSHA EYE- AND FACE-PROTECTION REGULATIONS (29 CFR 1910.133). CONTACT LENSES ARE NOT EYE PROTECTIVE DEVICES. APPROPRIATE EYE PROTECTION MUST BE WORN INSTEAD OF, OR IN CONJUNCTION WITH CONTACT LENSES.

**SAFETY STATIONS:** MAKE EMERGENCY EYEWASH STATIONS, SAFETY/QUICK-DRENCH SHOWERS, AND WASHING FACILITIES AVAILABLE IN WORK AREA.

**CONTAMINATED EQUIPMENT:** SEPARATE CONTAMINATED WORK CLOTHES FROM STREET CLOTHES AND LAUNDRY BEFORE REUSE. REMOVE THIS MATERIAL FROM YOUR SHOES AND CLEAN PERSONAL PROTECTIVE EQUIPMENT.

**COMMENTS:** NEVER EAT, DRINK, OR SMOKE IN WORK AREAS. PRACTICE GOOD PERSONAL HYGIENE AFTER USING THIS MATERIAL BEFORE EATING, DRINKING, SMOKING, USING THE TOILET, OR APPLYING COSMETICS.

#### PROTECTIVE CLOTHING PICTOGRAMS



## 9. - Physical AND Chemical Properties

**Physical State:** Liquid

**Appearance:** Dark blue

**Odor:** ETHER like

**Vapor Pressure:** NOT Available

**Vapor Density (Air=1):** NOT Available

**Specific Gravity (H<sub>2</sub>O=1.):** 1.04

**pH:** 9-11

**Water Solubility:** Complete

**Flash Point:** 212°F

**Boiling Point:** 212°F

**Lower Explosive Limits (vol % in air):** NONE

**Upper Explosive Limits (vol % in air):** NONE

**Freezing/Melting Point:** : -18°F (-28°C)

**Viscosity:** NOT Available

**Auto ignition Temperature:** NOT Available

## 10. - Stability AND Reactivity

**Stability:** STABLE UNDER ORDINARY CONDITIONS OF USE AND STORAGE.

**Polymerization:** HAZARDOUS POLYMERIZATION HAS NOT BEEN REPORTED.

**Chemical Incompatibilities:** CAN REACT WITH STRONG OXIDIZERS, INORGANIC ACIDS, AND HALOGENS.

## 11.- Toxicological Information

PRODUCT NAME	RESULTS	SPECIES	DOSE	EXPOSURE
Ethylene Glycol Monobutyl Ether	Oral LC50	RAT	300 mg/kg	NONE SHOWN
Ethylene Glycol Monobutyl Ether	Inhalation LC50	RAT	450 ppm	NONE SHOWN
Ethylene Glycol Monobutyl Ether	Dermal LC50	Rabbit	220 mg/kg	NONE SHOWN
Potassium hydroxide	Oral LC50	RAT	300 mg/kg	NONE SHOWN
Ethoxylated alcohols phosphate ether	Oral LC50	RAT	3950 mg/kg	NONE SHOWN
Alcohols, C8-10, ethoxylated	Oral LC50	RAT	2000 mg/kg	NONE SHOWN
Orthophosphoric acid	Oral LC50	RAT	320 mg/kg	NONE SHOWN
Sodium xylene sulfonate	Oral LC50	RAT	7200 mg/kg	NONE SHOWN

ROUTES: INHALATION, INGESTION, ABSORPTION. SKIN AND/OR EYE CONTACT.

TARGET ORGANS: EYES, SKIN, MUCOUS MEMBRANES

INHALATION HARMFUL if INHALED.

INGESTION HARMFUL if SWALLOWED.

SKIN CAUSES SKIN IRRITATION

EYES CAUSES SERIOUS EYE DAMAGE

TERATOGENICITY/EMBRYOTOXICITY: NOT HARMFUL THE UNBORN CHILD

REPRODUCTIVE TOXICITY: NOT A REPRODUCTIVE HAZARD

MUTAGENICITY: NOT A MUTAGEN

SIGNS AND SYMPTOMS OF EXPOSURE: CAUSES SERIOUS EYE IRRITATION. SYMPTOMS MAY INCLUDE STINGING, TEARING, REDNESS, SWELLING, AND BLURRED VISION.

CARCINOGENICITY:

CHEMICAL NAME	IARC	ACGIH	NTP	OSHA
Ethylene Glycol Monobutyl Ether	NOT LISTED	NOT LISTED	NOT LISTED	NOT LISTED
Potassium hydroxide	NOT LISTED	NOT LISTED	NOT LISTED	NOT LISTED
Ethoxylated alcohols phosphate ether	NOT LISTED	NOT LISTED	NOT LISTED	NOT LISTED
Alcohols, C8-10, ethoxylated	NOT LISTED	NOT LISTED	NOT LISTED	NOT LISTED
Orthophosphoric acid	NOT LISTED	NOT LISTED	NOT LISTED	NOT LISTED
Sodium xylene sulfonate	NOT LISTED	NOT LISTED	NOT LISTED	NOT LISTED

## 12. - Ecological Information

PRODUCT NAME	RESULTS	SPECIES	EXPOSURE
Ethylene Glycol Monobutyl Ether	LC50 220 mg/l	Fish	96 hours

Ethylene Glycol Monobutyl Ether	EC50 1815 mg/L	Daphnia	24 hours
Potassium hydroxide	LC50 80 mg/L	Fish	96 hours
Ethoxylated alcohols phosphate ether	LC50 5.5 mg/L	Fish	96 hours
Alcohols, C8-10, ethoxylated	NONE SHOWN	NONE SHOWN	NONE SHOWN
Orthophosphoric acid	LC50 3 mg/L	Fish	96 hours
Sodium xylene sulfonate	NONE SHOWN	NONE SHOWN	NONE SHOWN

**NOTE:** May be harmful to aquatic organisms due to the shift of the pH.

**Toxicity** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

**Mobility in soil:** No data available for this product.

**Persistence/degradability:** No data available for this product

**Bioaccumulation:** No data available for this product

**PBT and vPvB assessment:** No data available for this product.

### 13. - Disposal Considerations

**Disposal:** DO NOT REUSE EMPTY CONTAINER! Container should be completely emptied prior to discard. Container with residues should be considered to be hazardous wastes. Contact a licensed contractor for detailed recommendations. Follow applicable federal, state, and local regulations.

### 14. - Transport Information

**DOT Transport Information** NOT REGULATED

**ID No.:**

**Shipping Name:**

**Hazard Class:**

**Packing Group:**

**Label:**

**Placard:**

### 15. - Regulatory Information

**US Regulations:**

**TSCA:** All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30.

**CERCLA Hazardous Substances and corresponding RQs:** Potassium hydroxide 1000 lbs., Orthophosphoric acid 5000lbs.

**SARA COMMUNITY RIGHT-TO-KNOW PROGRAM: NONE**

**CLEAN WATER ACT: NONE**

**CLEAN AIR ACT: NONE**

**OSHA: The components of this product ARE HAZARDOUS CHEMICALS AS DEFINED BY THE OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200.**

**STATE REGULATIONS**

**CALIFORNIA PROP. 65: WARNING: THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.**

**CHEMICALS ON THE FOLLOWING STATE RIGHT TO KNOW LISTS:**

**MASSACHUSETTS: All components of this product ARE ON THE MASSACHUSETTS INVENTORY OR ARE EXEMPT FROM INVENTORY REQUIREMENTS.**

**NEW JERSEY All components of this product ARE ON THE NEW JERSEY INVENTORY OR ARE EXEMPT FROM INVENTORY REQUIREMENTS.**

**PENNSYLVANIA: All components of this product ARE ON THE PENNSYLVANIA INVENTORY OR ARE EXEMPT FROM INVENTORY REQUIREMENTS.**

## **16. - OTHER INFORMATION**

**DISCLAIMER: The information presented in this Safety Data Sheet is based on data believed to be accurate as of the date this Safety Data Sheet was prepared. HOWEVER NO responsibility is assumed for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices. The information provided above is furnished on the condition that the person receiving them shall make their own determination as to the suitability of the product for their particular purpose and on the condition that they assume the risk of their use.**

**REFERENCES: CHEMpendium data base of CANADIAN CENTRE FOR OCCUPATIONAL HEALTH AND SAFETY (CCOHS), JJ KELLER ON LINE, EUROPEAN CHEMICAL AGENCY DATA BASE AND MSDS AND SDS of chemicals in this mixture.**

**SDS PREPARATION DATE: 06/23/2015**

**SDS REVISIONS: NONE**

**PREPARED BY : SYLENA MARTIN**