SAFETY DATA SHEET: 2-(2-BUTOXYETHOXY)ETHANOL

1. IDENTIFICATION

Product Name: 2-(2-BUTOXYETHOXY)ETHANOL
Synonyms: Glycol ether DB; Butyl carbitol; Diethylene glycol monobutyl ether
Formula and Formula Weight: CH3(CH2)3O(CH2)2O(CH2)2OH  162.23
Integra numbers beginning with: B873.50
Recommended Use: Commercial/industrial use
Restrictions on Use: No information available

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2. HAZARDS IDENTIFICATION

OSHA Classification:
Eye Damage/Irritation

Hazard Category: 2A
Hazard Statement: Causes serious eye irritation.

Signal Word: WARNING

Precautionary Statements
Prevention:
Wash thoroughly after handling.
Wear eye protection, face protection.

Response
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice, attention.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component: 2-(2-Butoxyethoxy)ethanol
Synonyms: Glycol ether DB; Butyl carbitol; Diethylene glycol monobutyl ether
CAS #: 00112-34-5
% Weight: 100

4. FIRST AID MEASURES

Inhalation: Remove person to fresh air.
Eye Contact: Flush eyes with plenty of water. Remove contact lenses, if present and easy to do. If irritation persists, seek medical attention.
Skin Contact: Wash with soap and water. Seek medical attention if irritation develops.
Ingestion: Do not induce vomiting. If victim is conscious, rinse mouth, give water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.
Additional notes: Symptoms and effects include serious eye irritation; skin, respiratory, gastrointestinal irritation; nausea, vomiting, central nervous system depression; coughing, difficulty in breathing; kidney damage.

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Carbon dioxide, dry chemical or alcohol foam. Water may be ineffective.
Special Equipment and Precautions: Use water to cool nearby containers and structures. Wear full protective equipment, including suitable respiratory protection.
Specific Hazards: None identified
Hazardous combustion products: Oxides of carbon.

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Prevent spread of spill. Absorb with sand or inert material. Sweep or scoop into a disposal container. Flush spill area with water. Wear suitable protective equipment. Remove all potential ignition sources.

7. HANDLING AND STORAGE

Incompatible Materials: Incompatible with strong bases and strong oxidizers. Light metals.
Storage and Handling: Store in a cool, dry, well-ventilated area away from incompatible materials. Keep containers tightly closed and protect them from physical damage.
Wash thoroughly after handling.
Wear eye protection, face protection.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

OSHA & ACGIH Exposure Limits:
9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, colorless liquid
Odor: Faint, pleasant odor
Odor Threshold: Not available
pH: 7
Melting/Freezing Point: -68 °C
Initial Boiling Point and Boiling Range: 231 °C
Flash Point: 99 °C
Evaporation Rate: < 0.01 Butyl Acetate=1
Partition Coefficient: n-octanol/water
Decomposition Temperature: 210 °C
Viscosity: 6.12 mm²/s at 20°C

10. STABILITY AND REACTIVITY

Reactivity: No information available
Stability: Stable
Possibility of Hazardous Reactions: Hazardous polymerization will not occur
Conditions to Avoid: Heat, sparks and open flame. May form peroxides.
Incompatibles: Incompatible with strong bases and strong oxidizers. Light metals.
Decomposition Products: Oxides of carbon.

11. TOXICOLOGICAL INFORMATION

Effects of Over Exposure:
Inhalation: Harmful if inhaled. Irritating to the upper respiratory tract and mucous membranes. Symptoms include coughing and difficulty in breathing.
Skin Contact: Contact may cause skin irritation. Material is rapidly absorbed through the skin.
Eye Contact: May irritate or burn the eyes.
Ingestion: May be irritating to the mouth, throat and gastrointestinal tract if swallowed. May cause nausea, vomiting and central nervous system depression.
Chronic Effects: Kidney damage.
Target Organs: Eyes, skin, kidneys, central nervous system.
Additional Effects: None identified
Reproductive Effects: None identified
Carcinogenicity: None identified
Toxicity Data:
2-(2-Butoxyethoxy)ethanol
LD50 (skin, rabbit) 4120 mg/kg
LD50 (oral, rat) 6660 mg/kg

12. ECOLOGICAL INFORMATION

Aquatic Toxicity Data:
2-(2-Butoxyethoxy)ethanol LC50 Lepomis macrochirus: 1300 mg/L -

Terrestrial Toxicity Data:
No information available

Persistence and degradability: Readily biodegradable
Bioaccumulative potential: Does not bioaccumulate
Mobility in soil: No information available
Other adverse effects: No information available
13. DISPOSAL CONSIDERATIONS

Disposal Procedures: Dispose of material and containers in accordance with all local, state and federal regulations.

14. TRANSPORTATION INFORMATION

This product is not a regulated material for domestic ground transporation.

- Environmental hazards: No information available
- Special precautions: No information available
- Bulk transport: No information available

15. REGULATORY INFORMATION

2-(2-Butoxyethoxy)ethanol is listed in the TSCA inventory and in SARA 313 (as glycol ethers).

16. OTHER INFORMATION

OSHA SDS #: 25310 rev 101 3/27/2015

NE = Not established, NA = Not applicable or Not available

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***** END OF SDS *****