

<p>13. DISPOSAL CONSIDERATIONS</p> <p>Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all Federal, State and Local environmental regulations.</p>
<p>14. TRANSPORTATION INFORMATION</p> <p>Contact Aldrich Chemical Company for transportation information.</p>
<p>15. REGULATORY INFORMATION</p> <p>Classification: Harmful</p> <p>Contains:</p> <p>R-Phrases: R 36 Irritating to eyes</p> <p>S-Phrases: S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice</p>
<p>16. OTHER INFORMATION</p> <p>The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.</p>

N/A - Not Applicable

The information and recommendations contained in the Company's literature or elsewhere are based on knowledge at the time of printing and are believed to be accurate. While such details are printed in good faith, they are intended to be a guide only and shall not bind the Company. Due to constant development, customers are urged to obtain up-to-date technical information from representatives of the Company and not to rely exclusively on printed material. Customers are reminded of the importance of obtaining and complying with instructions for the handling and use of chemicals and materials supplied as the Company cannot accept responsibility for any loss or injury caused through non-compliance.



Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29CFR 1910. 1200. Standard must be consulted for specific requirements

<p>1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY</p> <p>Supplier: XANTÉ Corporation Telephone: 334-342-4840 4621 Spring Hill Avenue Emergency: CHEMTREC: 1-800-424-9300 Mobile, Alabama 36608 Date Prepared: October, 1996</p> <p>Product Name: FilmStar Chemical</p> <p>Product Description: DI (Ethylene glycol) Butyl ether, 99+%</p>																	
<p>2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS</p> <table border="1"> <thead> <tr> <th>NAMES</th> <th>CONCENTRATION</th> <th>SYMBOL</th> <th>R-PHRASES</th> <th>S-PHRASES</th> <th>CAS-NR</th> </tr> </thead> <tbody> <tr> <td colspan="6">BUCB * Butoxydiethylene Glycol * Butoxydiglycol * 2-(2-Butoxyethoxy) ethanol * Butyl Carbitol * O-Butyl Diethylene Glycol * Butyl Dioxitol * Diethylene Glycol N-Butyl Ether * Diethylene Glycol Monobutyl Ether * Diglycol Monobutyl Ether * Dowanol DB * Ektasolve DB * Glycol Ether DB * Jeffersol DB * Poly-Sov DB *</td> </tr> </tbody> </table>						NAMES	CONCENTRATION	SYMBOL	R-PHRASES	S-PHRASES	CAS-NR	BUCB * Butoxydiethylene Glycol * Butoxydiglycol * 2-(2-Butoxyethoxy) ethanol * Butyl Carbitol * O-Butyl Diethylene Glycol * Butyl Dioxitol * Diethylene Glycol N-Butyl Ether * Diethylene Glycol Monobutyl Ether * Diglycol Monobutyl Ether * Dowanol DB * Ektasolve DB * Glycol Ether DB * Jeffersol DB * Poly-Sov DB *					
NAMES	CONCENTRATION	SYMBOL	R-PHRASES	S-PHRASES	CAS-NR												
BUCB * Butoxydiethylene Glycol * Butoxydiglycol * 2-(2-Butoxyethoxy) ethanol * Butyl Carbitol * O-Butyl Diethylene Glycol * Butyl Dioxitol * Diethylene Glycol N-Butyl Ether * Diethylene Glycol Monobutyl Ether * Diglycol Monobutyl Ether * Dowanol DB * Ektasolve DB * Glycol Ether DB * Jeffersol DB * Poly-Sov DB *																	
<p>3. HAZARDOUS IDENTIFICATION</p> <p>Label Precautionary Statements: Harmful, Harmful by Inhalation, In contact with skin and if swallowed, Causes severe irritation</p> <p>Target Organ(s): Female Reproductive System, Male Reproductive System. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.</p>																	
<p>4. FIRST AID MEASURES</p> <p>Inhalation: Move the exposed person to fresh air at once and get medical attention. When breathing is difficult, properly trained personnel may assist affected person by administering 100% oxygen. If not breathing, administer CPR.</p> <p>Ingestion If swallowed, wash out mouth with water provided person is conscious. Call a physician.</p> <p>Eye Contact: In case of contact, immediately flush eyes with copious amounts of water for 15 minutes. Call a physician. Assure adequate flushing of eyes by separating eyelids with fingers.</p> <p>Skin Contact: Flush skin with copious amounts of water for 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before reuse, and discard contaminated shoes.</p> <p>Further Medical Treatment: None</p>																	

5. FIRE FIGHTING MEASURES**EXTINGUISHER MEDIA**

Use foam, carbon dioxide, dry chemical powder, water spray.

Exposure Hazards:

Toxic gases/vapors/fumes of carbon dioxide and carbon monoxide.
When heated to decomposition it emits acid smoke and irritating fumes.

Protective Equipment:

Wear self contained breathing apparatus and protective clothing to prevent contact with the skin and eyes.

6. ACCIDENTAL RELEASE MEASURES**Personal Precautions:**

Evacuate area.
Wear self contained breathing apparatus, chemical splash goggles, rubber boots and heavy rubber gloves.

Environmental Precautions:

Avoid drain contamination. Immiscible with water, not permitted in foul waste

Methods of Cleaning:

Ventilate area and wash spill site after material pickup is complete.
Cover with dry lime or soda ash, pick up, keep in closed container and hold for waster disposal

7. HANDLING & STORAGE

Store in cool, dry conditions, keep tightly closed.

8. EXPOSURE CONTROL/PERSONAL PROTECTION**Exposure Controls:**

Do not breathe vapor, do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure. Wash thoroughly after handling. Severe irritant, harmful liquid.

Respiratory Equipment:

Wear appropriate Niosh/MSHA-approved respirator

Hand Protection:

Chemical-resistant gloves

Eye Protection:

Faceshield (8 inch minimum)

Other Protection:

Wear appropriate protective clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Color:	Colorless
Odor:	Minimal	pH:	N/A
Boiling Point:	231 C	Melting Point:	-68 C
Flash Point:	212 F 99 C	Flammability:	N/A
Autoflammability:	400 F 204 C	Explosive Limit:	upper 6.2% lower 0.9%
Oxidizing Properties:	None	Vapor Pressure:	30mm Hg at 130 C
Relative Density:	5.6	Solubility in Water:	N/A
Viscosity:	NR	Specific Gravity	.967

10. STABILITY AND REACTIVITY**Stability:**

Stable

Conditions to Avoid:

None

Materials to Avoid:

Strong oxidizing agents.

Hazardous Decomposition Products:

Toxic gases/vapors/fumes of carbon dioxide and carbon monoxide on combustion.

11. TOXICOLOGICAL INFORMATION**Inhalation:**

Harmful if inhaled, high concentrations are extremely destructive to tissues of the mucous membranes and upper respiratory tract.

Ingestion:

Harmful if swallowed.

Skin Contact:

Causes severe irritation, harmful if absorbed through skin.

Eye Contact:

High concentrations extremely destructive to eyes.

Long Term Exposure:

Symptoms of exposure include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. In laboratory studies with this material, birth defects, fetotoxicity, embryoletality, anemia, bone marrow damage, hemolysis, immuno-suppression and damage to the male reproductive tissues have been observed.

12. ECOLOGICAL INFORMATION

Data not yet available