

# Flexi-Glass

## MATERIAL SAFETY DATA

PRODUCT: Medium  
REVISION NUMBER: 1  
REVISION DATE: 2/1/2012  
Date Printed: 02/01/2012

### 1. PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURED BY:  
Fusion Headquarters, Inc.  
15500 NE Kincaid Rd  
Newberg, OR 97132  
Prod Info 503-538-5281  
CHEMTREC 800-424-9300

CHEMTREC number is to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

PREPARED BY: Gil Reynolds

PRODUCT TRADE NAME: **FLEXI-GLASS**

CAS NO: Mixture

CHEMICAL FAMILY: Medium.

PRODUCT TYPE: Glycol Ether.

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

#### HAZARDOUS COMPONENTS

| INGREDIENTS                    | OSHA PEL: | ACGIH TLV: | %        |
|--------------------------------|-----------|------------|----------|
| Glycol Ether                   | NE        | NE         | 3 - 5%   |
| 112-34-5                       |           |            |          |
| Surfactant                     | NE        | NE         | <2       |
| 77-1 1-7                       |           |            |          |
| Phosphated Polyester           | NE        | NE         | <2       |
| PROPRIETARY                    |           |            |          |
| Carboxymethyl cellulose sodium | NE        | NE         | <2       |
| 9004-32-4                      |           |            |          |
| Polyvinyl Alcohol (PVA)        | NE        | NE         | 9 - 12%  |
| 9002-89-5                      |           |            |          |
| Ethyl alcohol                  | NE        | NE         | <2       |
| 64-17-5                        |           |            |          |
| Water                          | NE        | NE         | 74 - 86% |
| 7732-18-5                      |           |            |          |
| PROPRIETARY                    | NE        | NE         | <2       |

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### 3. HAZARDS IDENTIFICATION

#### 3.1 EMERGENCY

##### OVERVIEW

|            |                                                                                                                    |
|------------|--------------------------------------------------------------------------------------------------------------------|
| Appearance | Salmon colored liquid                                                                                              |
| Odor       | Slight aroma                                                                                                       |
| Caution!   | Not a significant fire hazard<br>May cause eye irritation<br>Fumes may cause irritation of nose, throat and lungs. |

#### 3.2 POTENTIAL HEALTH EFFECTS

##### PRINCIPLE ROUTES OF EXPOSURE

Inhalation, ingestion and dermal.

|               |                              |
|---------------|------------------------------|
| EYE CONTACT:  | Causes eye irritation.       |
| SKIN CONTACT: | Causes skin irritation.      |
| INHALATION:   | Causes lung irritation.      |
| INGESTION:    | May be harmful if swallowed. |

AGGRAVATED MEDICAL CONDITIONS: Respiratory.

##### Effects from Chronic Exposure:

CHRONIC EFFECTS CARCINOGENICITY: This product does not contain any chemicals listed by IARO, NTP or OSHA as carcinogens.

CARCINOGENIC INGREDIENTS: None

OVEREXPOSURE EFFECTS:

CONTAINS GLYCOL ETHER SOLVENT (CAS # 112-34-5):

This glycol ether solvent can cause eye irritation and may cause skin irritation. Ingestion may cause headache, dizziness, nausea, and kidney damage.

CONTAINS SURFACTANT:

This surfactant can cause skin and eye irritation. Symptoms can include redness of skin and eyes, as well as tearing.

CONTAINS POLYVINYL ALCOHOL

Polyvinyl Alcohol may cause eye irritation.

#### 4. FIRST AID MEASURES

INGESTION: If swallowed, give at least 3-4 glasses of water, but do not induce vomiting. Do not give anything by mouth to an unconscious or convulsing person. Get immediate medical attention.

SKIN: For skin contact, immediately wash with large amounts of running water, and soap if available, for 15 minutes. Remove contaminated clothing and shoes. Discard or decontaminate clothing and shoes before reuse. Get medical attention if skin irritation develops.

INHALATION: If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation

develops or if breathing becomes difficult.

**EYES:** For eye contact, immediately flush eyes for at least 15 minutes with running water. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. Get immediate medical attention if irritation develops.

**NOTES TO PHYSICIAN:** None specified.

## **5. FIRE FIGHTING MEASURES**

**OSHA FLAMMABILITY CLASS:** NON-COMBUSTIBLE

**FLASH POINT:** >2000 F

**Flashpoint Method:** Pensky-Martin Closed Cup

**Lower Explosive Limit:** Not Available

**Upper Explosive Limit:** Not Available

**EXTINGUISHING MEDIA:** Carbon Dioxide, Dry Chemical, Foam or Water Mist.

**FIRE FIGHTING PROCEDURES:** Fire-Fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires.

Use water spray to cool nearby containers and structures exposed to fire.

**UNUSUAL HAZARDS:** Decomposition and combustion products may be toxic.

Keep away from heat and flame.

## **6. ACCIDENTAL RELEASE MEASURES**

**SPILL PROCEDURES:** Wear appropriate protective equipment. Avoid the generation of dust. Absorb spill with inert material and place in closable container(s) for disposal. Eliminate ignition sources.

## **7. HANDLING AND STORAGE**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:**

Store in a cool, dry location away from incompatible materials.

Keep from freezing.

**NOTES ON HANDLING INFORMATION:** Avoid contact with heat, spark, or flame.

**INHALATION:** Avoid prolonged or repeated breathing of vapor.

**SKIN:** Avoid prolonged or repeated contact with skin and clothing.

**EYES:** Avoid prolonged or repeated contact with eyes.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**VENTILATION:** Adequate ventilation should be provided to keep dust and vapor concentrations below acceptable exposure limits. Discharge from the ventilation system should comply with the applicable air pollutions control regulations. Eliminate ignition sources.

**EYE PROTECTION:** Wear safety glasses or goggles to protect against exposure.

PROTECTIVE GLOVES: Use gloves as a standard industrial handling procedure.

RESPIRATORY PROTECTION: Appropriate respiratory protection is required when exposure to airborne contaminant is likely to exceed acceptable limits. Respirators should be selected and used in accordance with OSHA Subpart 1(29 CFR 191 0.134) and manufacturer's recommendations.

OTHER PERSONAL PROTECTIVE EQUIPMENT: Wear protective clothing such as impervious/plastic overalls or aprons with sleeve covers.

EXPOSURE GUIDELINES: None established.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

PERCENT VOLATILES: 87+- 1

ph @ 25 C: 6 +- 1

APPEARANCE: Pinkish Liquid

BOILING POINT: 100 C

VAPOR DENSITY (AIR): Heavier than air.

EVAP. RATE(BUTYL ACETATE): Slower than n-Butyl Acetate

VOC (EPA METH.24): 87 wt %

BULK DENSITY (wt/gal): 8.5  
lb/gal

SOLUBILITY (in water): Partially Soluble

## **10. STABILITY AND REACTIVITY**

STABILITY DATA: STABLE

POLYMERIZATION: WILL NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide and depending on conditions, some hydrocarbon fragments may also be formed.

INCOMPATIBILITY

(MATERIALS TO AVOID): Strong oxidizing agents, acids and alkaline materials.

CONDITIONS HAZARDS TO AVOID: See "Incompatibility"

## **11. TOXICOLOGICAL INFORMATION**

See section 3 Hazards Identification information.

## 12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data at this time

CHEMICAL FATE INFORMATION: No data at this time.

PERSISTENCE/DEGRADABILITY No data at this time.

APPRAISAL: No data at this time.

MOBILITY: No data at this time.

## 13. DISPOSAL CONSIDERATIONS

DISPOSAL OF WASTE METHOD: Remove free liquid. Absorb residue and dispose in accordance with Federal, State and Local regulations.

## 14. TRANSPORT INFORMATION

INTERNATIONAL REGULATIONS: This product is not classified as dangerous goods according to the international regulations for transport by land, inland waterway, sea or air.

UN CLASSIFICATION NUMBER: None according to IATA.

## 15. REGULATORY INFORMATION

SARA SECTION 302: None

Found

SARA (311, 312) HAZARD CLASS: ACUTE HEALTH HAZARD

CHRONIC HEALTH HAZARD

SARA 313 Title III Toxic Chemical List:

The following chemicals are subject to the reporting requirements of Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

% Glycol ethers

Section 313 of Title III of the Superfund

82

-0.10000

-0.10000

TSCA Inventory Status: This product (and/or all of its components) is in compliance with the U.S. EPA Toxic Substance Control Act, TSCA, (15 U.S.C. 2604).

## 16. OTHER INFORMATION

Revisions: The Format has been changed to meet the requirements of the new ANSI Standard Z400.1.

LABEL INFORMATION:

WARNING!

Skin, eye, and respiratory irritant.

Keep away from heat and flame.

Avoid contact with eyes, skin and clothing.

Avoid breathing dust, mist or vapor.

Keep away from food products.

Wash thoroughly after handling and before eating, facilities.

Use with adequate ventilation.

Keep container closed when not in use.

**FIRST AID:** If inhaled, remove to fresh air. If breathing is difficult, give oxygen. In case of contact, immediately flush eyes or skin with plenty of water. Remove contaminated clothing. Get medical attention.

**IN CASE OF FIRE:** Use water, dry chemical or carbon dioxide.

**IN CASE OF SPILL:** Soak up with inert absorbent and dispose in accordance with federal, state and local regulations.

**FOR INDUSTRIAL USE ONLY.**

## **DEFINITIONS AND ABBREVIATIONS:**

ACGIH = American Conference of Governmental Industrial Hygienists

C (CEIL) = The concentration that shall not be exceeded during any part of the working exposure.

CAS # = Chemical Abstracts Service Registry Number

EPA = Environmental Protection Agency

ARC = International Agency for Research on Cancer

N/AP = Not Applicable

N/AV = Not Available

NIOSH = National Institute for Occupational Safety and Health

NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration

PEL = Permissible Exposure  
Limit

SARA = Superfund Amendments and Reauthorization Act

STEL = Short Term Exposure Limit. Usually a 15 minute time weighted average exposure.

TLV = Threshold Limit Values

TSCA = Toxic Substance Control Act

TWA = Time Weighted Average. Exposure concentration for a normal 8 hour day or 40 hour week.

VOC = Volatile Organic Content

**DISCLAIMER:** The information and recommendations contained in this Material Safety Data Sheet (MSDS) have been compiled from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the MSDS was prepared. No warranty, guaranty or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine its environmental regulatory compliance obligations under any applicable federal or state laws.