SAFETY DATA SHEET

Created date 3.2018 Revision date 9.25.2018 Revision 2

1. PRODUCT AND COMPANYIDENTIFICATION

1.1. Product Identifier

Tradename: **MODELING GLASS LIQUID MEDIUM**

1.2. Identified uses / uses advised against

Identified uses: When combined with frit and/or powdered glass when mixing Modeling Glass, improves consistency and texture of the finished mixture.

1.3. Supplier details:

Company /Address : Glass Bird Studios, PO Box 53582, Albuquerque, NM 87153

Website: www.modelingglass.com

Email: glassbirdstudios@gmail.com

Telephone: 505-459-9828

1.4 Emergency contact: Glass Bird Studios, 505-459-9828

2. HAZARDS IDENTIFICATION:

2.1. Classification of substance or mixture

Classification according to Regulation (EC) No.1272/2008 [CLP]: Not classified Classification according to Directive 67/548/EEC or 1999/45/EC: Not classified

2.2. Label elements:

NFPA Code: Health-0, Flammability-1, Reactivity-0 HMIS Code: Health-0, Flammability-1, Reactivity-0

2.3. Other hazards: These substances/mixtures do not meet the PBT/vPvB criteria of REACH, annex XIII. Prolonged/repetitive skin contact may cause dermatitis; ingestion may have laxative effect. Eye contact with propylene glycol may cause slight, temporary irritation. Prolonged skin contact is unlikely to result in absorption of harmful amounts. At room temperature, exposure to vapor is minimal due to low volatility.

3. COMPOSITION/INGREDIENTS

Propylene Glycol: CAS No. 57-55-6

Synonyms: 1,2-Propanediol; 1,2-Dihydroxypropane; Methyl Glycol (USP/FCC)

Water

Proprietary Polyglycol *The specific chemical identities of the ingredients in this mixture, as well as, exact concentrations of any hazardous ingredients stated above, are considered trade secrets. This information is withheld in accordance with the provisions of 1910.1200 of the Code of Federal Regulations.

4. FIRST AID MEASURES

4.1. General information:

Eye: In case of eye contact, immediately flush eyes with cool water for at least 20 minutes, retracting eyelids often. Obtain emergency medical information if pain, blinking, tears or redness persists.

Skin: Wash exposed area of skin with water. If burned by contact with hot material,

cool material as quickly as possible with water. See a physician for burn treatment, irritation or allergic reaction.

Ingestion: Material is of sufficiently low toxicity that induction of vomiting isn't necessary.

Inhalation: Remove to fresh air. If unconscious, seek medical attention.

4.2. Most important symptoms and effects, acute and delayed:

SAFETY DATA SHEET

Symptoms/injuries: No negative effects when used as directed. Prolonged/repetitive skin contact may cause dermatitis in some.

5. FIRE FIGHTING MEASURES

5.1. *Extinguishing media:* Dry chemical, carbon dioxide, foam, steam or water fog. Agents approved for Class B hazards.

Unsuitable extinguishing media: Water streams will scatter liquid and spread fire,but may be used to keep fire-exposed containers and surroundings cool.

Fire hazard: Mild fire hazard when heated above its flash point; material must be preheated before ignition will occur (OSHA Class IIIB). Combustion products may include and are not limited to: Carbon monoxide. Carbon dioxide. Use adequate ventilation in kiln area during burn-off (up to 1000 degrees F.)

6. ACCIDENTAL RELEASE MEASURES

6.1. *Environmental precautions* Prevent spills from entering sewers and public waters.

6.2. Containment / Cleanup

Containment: Dike around spill; use oil-absorbent materials such as sand or soil.

Cleanup: Remove mechanically or contain on an absorbent material such as dry sand or earth and dispose of in accordance with current applicable regulations

7. HANDLING AND STORAGE

7.1. *Handling* No special requirements are required.

7.2. *Storage* Store in a cool, well-ventilated area in sealed containers Do not store in open or unlabeled containers. Store away from strong oxidizing agents or combustible material

7.3. *Environmental controls*: Avoid release to the environment.

7.4. Use adequate ventilation in kiln area during burn-off (up to 1000 degrees F.)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 *Engineering Measures:* Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

8.2 *Eye/Face Protection:* Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

8.3 *Skin and Body Protection:* Wear appropriate protective gloves and clothing to prevent skin exposure.

8.4 *Respiratory Protection:* Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

8.5 *Hygiene Measures:* Handle in accordance with good industrial hygiene and safety practice.

SAFETY DATA SHEET

9. CHEMICAL AND PHYSICAL PROPERTIES

9.1. Basic physical and chemical properties

Appearance / Odor :	Purple viscous liquid / Little to odorless
pH:	Not determined
Vapor Pressure:	N/A
Vapor Density (Air=1):	N/A
Boiling Point :	369°F (187°C)
Melting Point:	N/A
Solubility :	Soluble in water
Specific Gravity (Water=1):	1.035 - 1.037 @ 25°C/25°C (77°F)
Pour Point:	N/A
Flash Point / Method:	N/A
Autoignition temperature:	N/A

10. STABILITY AND REACTIVITY

10.1.	*Reactivity:*	Unknown
10.2.	*Chemical Stability:*	Stable
10.3.	*Hazardous reactions:*	None
10.4.	*Conditions to avoid:*	Contact with chlorine, fluorine, and other strong oxidizers and acids
	Incompatible materials:	Chlorine, fluorine, and other strong oxidizers and acids

Hazardous decomposition products: Decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products can include and are not limited to: Aldehydes. Alcohols. Ethers. Organic acids.

11. TOXICOLOGICAL INFORMATION (for straight propylene glycol)

11.1. *Routes of entry:* Absorbed through skin and eye contact.

11.2. Toxicity:

Dermal (rabbits):	LD_{50} 20.8 g/kg
Oral (rabbits):	LD_{50} 15.7 - 19.2 g/kg
Inhalation (rabbits):	LD_{50} 65.8 ppm/8 hours
Eye Irritation (rabbits):	Slight
Skin Irritation (rabbits):	None
Skin sensitization (human):	Slight

Carcinogenicity: The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	CAS-No	IARC	NTP	ACGIH	OSHA	Mexico
1,2-Propylene glycol	57-55-6	Not listed	Not listed	Not listed	Not listed	Not listed

Other toxicity data: Prolonged contact is essentially nonirritating to skin. Repeated contact may cause flaking and softening of skin.

12. ECOLOGICAL INFORMATION

12.1.	*Toxicity*	See 12.7. provided to us.
12.2.	*Persistence / degradability*	No data available
12.3.	*Bioaccumulation potential*	No data available
12.4.	*Mobility in soil*	No data available
12.5.	*PBT / vPvB assessment*	No data available
12.6.	*Other adverse effects:*	No data available

12.7. *Other information:* It has the following properties: a high biochemical oxygen demand and a potential to cause oxygen depletion in aqueous systems, a low potential to affect aquatic organisms, a low potential to persist in the environment and a low potential to bio-concentrate. It is expected to have the following properties: a low potential to affect secondary waste treatment microbial respiration, a low potential to affect secondary waste treatment microbial metabolism, a low potential to affect the germination and/or early growth of some plants, a low potential to affect the growth of some plant seedlings, a high potential to biodegrade (low persistence) with microorganisms from activated sludge. After dilution with a large amount of water, followed by secondary waste treatment, this material is not expected to cause adverse environmental effects.

13. DISPOSAL CONSIDERATIONS

13.1 Waste Disposal Methods: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations
to ensure complete and accurate classification.

14. TRANSPORTATION INFORMATION

14.1. *General Information:* Not regulated by U.S. DOT, Canadian TODG, IMO/IMDG, ICAO/IATA, ADR/RID

15. REGULATORY INFORMATION

International Inventories

Component	TSCA	DSL	NDSL	EINECS	ELINCS	NLP	PICCS	ENCS	AICS	IECSC	KECL
1,2-Propylene glycol	X	X	-	200-338-0	-		X	X	X	X	X

Legend:
X - Listed
E - Indicates a substance that is the subject of a Section 5(e) Consent order under TSCA.
F - Indicates a substance that is the subject of a Section 5(f) Rule under TSCA.
N - Indicates a polymeric substance containing no free-radical initiator in its inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.
P - Indicates a commenced PMN substance
R - Indicates a substance that is the subject of a Section 6 risk management rule under TSCA.
S - Indicates a substance that is identified in a proposed or final Significant New Use Rule
T - Indicates a substance that is the subject of a Section 4 test rule under TSCA.
XU - Indicates a substance exempt from reporting under the Inventory Update Rule, i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(B).
Y1 - Indicates an exempt polymer that has a number-average molecular weight of 1,000 or greater.
Y2 - Indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

Component	TSCA	DSL	NDSL	EINECS	ELINCS	NLP	PICCS	ENCS	AICS	IECSC	KECL
1,2-Propylene glycol	X	X	-	200-338-0	-		X	X	X	X	X

U.S. Federal Regulations
TSCA 12(b) Not applicable
SARA 313 Not applicable

SARA 311/312 Hazard Categories
Acute Health Hazard Yes
Chronic Health Hazard No
Fire Hazard No
Sudden Release of Pressure Hazard No
Reactive Hazard No

CWA (Clean Water Act) Not applicable
Clean Air Act Not applicable

SAFETY DATA SHEET

OSHA Occupational Safety and Health Administration
Not applicable

CERCLA Not applicable

California Proposition 65: This product does not contain any Proposition 65 chemicals

U.S. Department of Transportation

Reportable Quantity (RQ):	No
DOT Marine Pollutant	No
DOT Severe Marine Pollutant	No

U.S. Department of Homeland Security: This product does not contain any DHS chemicals.

16. OTHER INFORMATION

This material safety data sheet and the information it contains are offered to you in good faith as accurate. We have reviewed any information contained in this data sheet, which we received from sources outside our company. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.