

**1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****Product identifier****Product name** Skudo Glass Advanced**Product SKU** CT-GLASS-5-GAL**Details of the supplier of the safety data sheet****Company** Skudo LLC**Address** 11120 Zodiac Ln
DALLAS TEXAS
75229
USA**Telephone** 888-758-3611**Email** info@skudousa.com**Emergency telephone number****Emergency telephone number** 1-888-758-3611
7.00 am - 4.00 pm**2: HAZARDS IDENTIFICATION****Classification**

This product is not classified as hazardous or toxic in the GHS framework.

This product has not been classified as hazardous per the present legislation in force.

This product and components hereof, including traces or contamination from waste mining resources as heavy elements, toxins, and bio traces, do not appear in TSCA, ECHA, or any known national or international inventory listing of hazardous or potentially hazardous substances.

Hazard summary:

Physical hazards: Not classified as hazardous.

Health hazard: None known.

Eye contact: Accidental direct splashing or accidental direct spraying in unprotected eyes will be irritating to eyes. Exposed individuals may experience eye tearing, redness, and discomfort.

Skin contact: Contact to unprotected skin: No more than slightly irritating to skin. No more than slightly toxic if absorbed.

Ingestion: Accidental ingestion: No more than slightly toxic if swallowed. Significant adverse health effects are not expected to develop if only small amounts (less than a mouthful) are swallowed.

Inhalation: Accidental inhalation of vapors during drying or spray-fog from spray coat machines leads to no significant hazard if properly recommended and adjusted breathing protection is used in working surroundings.

Environmental hazards by accidental release to waterways:**Water Hazard Class:** WGK 1, slightly water-endangering**RCRA Hazard Class:** None known.

Acute health hazards: No significant hazards associated with this product.

Chronic health hazards: No significant hazards associated with this product.

Medical conditions generally aggravated by exposure: None known.

Potential Physical/Chemical hazard: Wet spilled material may form extremely slippery surfaces.

Emergency overview:

Low hazard for usual handling and industrial processing for trained personnel.

Routes of entry: Contact with unprotected eyes or skin and unprotected breathing.

Form: Liquid

Color: Opaque or Blue in color.

Odor: Mild to odorless

Other Hazards

Wet spilled material may form extremely slippery surfaces.

3: COMPOSITION/INFORMATION ON INGREDIENTS

67/548/EEC / 1999/45/EC

Components:	CAS No.	Min WT %	Max WT %
Polyvinylbutyral	63148-65-2	36	44
Triethyleneglycol bis (2-ethylhexanoate)	94-28-0	2	15
Water	7732-18-5	50	55
Proprietary compounds		0	5

Chemical name	Classification
Polyvinylbutyral, PVB 67/548/EEC	DSD, Not Classified according to D
Polyvinylbutyral, PVB	CLP, Not Classified Regulation No. 1272/2008

4: FIRST AID MEASURES**First aid measures**

Immediate first aid is not likely to be required. Get medical attention if symptoms arise.

Inhalation

The material can be removed with water. Remove contact lenses if possible and flush with plenty of water, at least 30

Eye contact	minutes. Seek medical attention for inspection of the eye and the vicinity hereof.
Skin contact	Immediate first aid is not likely to be required. The material can be removed with water. Flush with plenty of water while or after removing contaminated clothes and shoes. Wash contaminated clothing before reuse. Get medical attention if symptoms arise.
Ingestion	Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. A physician or Poison Control Center should be contacted for advice and observation.

5: FIREFIGHTING MEASURES

Extinguishing media

Water spray, foam, halon, dry chemical, or carbon dioxide

Special hazards arising from the substance or mixture

Unusual fire and explosion hazards: The dried product may form dust from abrasion and can accumulate electrostatic charges, which may form electric discharges (ignition source). Use proper electrical grounding methods where airborne dust, film flakes, or powder is moved mechanically.

Hazardous decomposition products: Acrolein, crotonaldehyde, butyraldehyde, n-butanol, 2-butoxyethanol, butyric acid, methanol, formic acid, hydrocarbons, carbon monoxide, and carbon dioxide.

Flammability: Dry material must be heated locally to more than 380° C before ignition can occur.

Advice for firefighters

Special firefighting procedures:

In case of fire: Evacuate area. Use water spray to keep fire exposed containers cool. Prevent runoff from fire control or dilution from entering stream, sewers, or drinking water supply.

Special protective equipment for fire-fighters:

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

No action shall be taken involving any personal risk without suitable and completed training. Use personal protection measures.

Environmental precautions: Keep out of drains and water courses.

Prevent further leakage or spillage if safe to do so. Clean up spills immediately and dispose of waste safely. Do not contaminate water sources, drainage, or sewer.

Methods and material for containment and cleaning up

In case of spill: Scoop, sweep, or vacuum and remove in a clearly labeled container for chemical waste.

In case of an accidental spill or release to the environment, notify relevant authorities in accordance with all applicable regulations.

7: HANDLING AND STORAGE

Precautions for safe handling

Handle in accordance with good industry hygiene and safety practices to minimize dust and air spray production.

Vacuum using a wet-vacuum or a HEPA equipped vacuum cleaner.

Avoid the use of compressed air for cleaning.

Take precautionary measures to avoid electrostatic discharges.

Conditions for safe storage, including any incompatibilities.

Keep away from heat, sparks, and open flame.

Empty containers or bags retain product residue. Observe all recommended safety precautions until container is cleaned, reconditioned, or destroyed. The use of this material's container for non-industrial purposes is prohibited and any reuse must be in consideration of the data provided.

Storage: Keep the containers tightly closed. Store in a cool, dry place out of sunlight. Be aware that once exposed to air, will form a film on the surface.

General: Stable under normal conditions of handling and storage.

Avoid storage near oxidizing chemicals.

Avoid contamination from air, water, or dirt-borne sources of bacterial, algal, fungal, or viral sources.

Lids, closures, or coverings must be clean.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits

Country specific or general exposure limits have not been established or are not applicable.

Exposure control

Ventilation:

Provide adequate ventilation. Ventilate as needed to control airborne particle levels below the occupational safety limits, typically 10 air changes per hour. If applicable, use process enclosures and local exhaust ventilation.

Individual protection measures, such as personal protective equipment:

Make access to emergency eye bath stations and general washing facilities.

Respiratory protection:

This material is not likely to present an airborne exposure concern under normal conditions of use. Use an approved respiratory unit, and if uncontrolled releases must be cleaned, use a protective pressure respiratory system.

Eye protection:

Use good industrial practice to avoid eye contact. Wear safety glasses with side shields or goggles.

Skin protection:

Although this product does not present a significant skin concern, minimize skin contamination by following good industrial practice. Wash thoroughly with soap after handling. Wear appropriate clothing to avoid prolonged skin-contact and wash clothes regularly. Wearing protective gloves is recommended.

Respiratory protection:

An air-purifying respirator with an appropriate approved air purifying filter, cartridge, or consider is recommended to be used when spray-techniques are applied.

Exposure guidelines:

Airborne exposure limits: (ml/m³ = ppm) OSHA and/or ACGIH have not established specific exposure limits for this material. However, they have established limits for particulates not otherwise regulated (PNOR) and particulates not otherwise classified (PNOC) respectively, which are the least stringent exposure limits applicable to airborne particles:

ACGIH TLV: 10mg/m³ (total dry dust) 8-hr TWA

ACGIH TLV: 3mg/m³ (respirable) 8-hr TWA

OSHA Z-1 PEL: 15mg/m³ (total dry dust) 8-hr TWA

OSHA Z-1 PEL: 5mg/m³ (respirable) 8-hr-TWA

Hygiene measures:

Observe good industrial hygiene practices and avoid cross-contamination of batches.

9: PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State	Liquid
Appearance	Milky white opaque or Blue liquid
Odor	Odorless
pH	9.5-11
VOC Content	< 1.0 g/Ltr
Specific gravity- condensed material (H₂O = 1)	1.03 @ 20 degrees C
Auto ignition temperature	For dry content alone > 380 degrees C
Solubility	Mixable but may separate and aggregate if pH lowers by dilution

10: STABILITY AND REACTIVITY

Reactivity

Stability: Stable under normal conditions.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

None under normal conditions.

Conditions to Avoid

All sources of ignition and strong oxidizers. All kinds of leaking of the containers.

Incompatibility

Strong oxidizing agents, acids, and salts containing cations with a considerable ionic strength.

Hazardous decomposition or by-products when heated to decomposition.

Butyraldehyde; butyric acid; acrolein; crotonaldehyde; methanol; formic acid; carbon monoxide; carbon dioxide

Hazardous polymerization

Hazardous polymerization does not occur.

11: TOXICOLOGICAL INFORMATION**Information on toxicological effects**

Acute toxicity

Oral:

Product: No data available

Specified substances:

PVB: Oral LD50: (rat) > 10000mg/kg Not classified for acute toxicity on available data.

Results of single exposure (acute) toxicity studies conducted on similar materials indicate that these products are practically nontoxic orally and after skin application.

12: ECOLOGICAL INFORMATION

Skudo has not conducted environmental toxicity, accumulation, mobility, or biodegradation studies with this material, but recommends extensive use of recycling techniques for the product and the waste products by suitable processes and waste handling channels.

13: DISPOSAL CONSIDERATIONS**Waste Treatment****Methods**

Disposal considerations: Incineration or Recycling.

This product should not be dumped, spilled, rinsed, or washed into sewers or public waterways.

RCRA hazard class: None known

14: TRANSPORT INFORMATION**Classification**

Dangerous goods ADR – Status: No - Class not regulated.

Dangerous goods RID - Status: No – Class not regulated.

Dangerous goods IMDG – Status: No – Class not regulated.

Dangerous good ICAO/IATA – Status: No – Class not regulated

GHS, not dangerous, nonflammable and nontoxic – no regulatory status.

15: REGULATORY INFORMATION

Safety, health, and environmental regulations/legislation specific for the substance or mixture 10.7.

Hazardous polymerization

California Prop 65

Water Hazard Class (WGK): WGK 1: Slightly water-endangering

This product **DOES NOT** contain chemicals known to the State of California to cause birth defects or other reproductive harm.

SECTION 16: OTHER INFORMATION

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.
