

Part 1. Identification

Product identification information: SM90 (180 kg drums)

Other identifying information: See Part 3

Chemical Usage Recommendations and Usage Restrictions

Recommended Use: Mainly used to dilute epoxy resin

Restricted Use: No data

Supplier Details

Supplier: BosTech Polymer LLC.FZ

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Section 2. Hazard identification

GHS classification of the substance or mixture:

Physical hazards: No category

Health hazards:

Acute toxicity, dermal: Category 5

Skin corrosion/irritation: Category 2

Skin sensitization: Category 1

Environmental hazards Hazardous to the aquatic environment

- **Short-term (acute) hazards:** Category 2

Label elements:

Pictogram:



Signal Word: warn

Hazard Statements: May be harmful in contact with skin

Causes skin irritation

May cause allergic skin reaction

Toxic to aquatic life

Precautionary Statements

Precautions: Avoid breathing dust/fumes/gas/mist/vapors/spray.

Wash hands thoroughly after handling.

Contaminated work clothing must not be allowed out of the workplace.

Avoid release to the environment.

Wear protective gloves.



Incident Response:

IF ON SKIN: Wash with plenty of water.

IF ON SKIN: Get medical attention.

If skin irritation or rash occurs, get medical attention. Take off contaminated clothing and wash it before reuse.

Secure Storage: Not applicable.

Disposal: Dispose of contents/container in accordance with local regulations.

Other hazards that do not result in classification: none.

Section 3. Composition/Information on Ingredients

Substance/Mixture: Substance
Element:

Name	Chemical Abstracts Number (CAS Number)	Concentration or Concentration Range (% by mass)
C12-14 alcohol glycidyl ether	68609-97-2	100%

Section 4. First aid measures**Necessary first aid measures:**

Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or physician.

Skin: Remove all contaminated clothing immediately. Rinse skin with water or shower. Get medical attention if necessary.

Eye: As a precaution, flush your eyes with water, remove your contact lenses, and keep your eyes open while flushing. If eye irritation persists, get medical attention.

Intake: People who vomit while lying on their back should turn to their side. If symptoms persist, seek medical attention.

Most important symptoms/effects, both acute and delayed:

It may be harmful in contact with skin. Causes skin irritation. It may cause an allergic skin reaction.

Immediate medical attention and special treatment needed:

Provide general supportive measures and treat symptomatically. If shortness of breath occurs, give oxygen. Keep victim warm. Observe the victim. Symptoms may be delayed.



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Section 5 Firefighting Measures

Suitable extinguishing media: Use water mist, alcohol-resistant foam, carbon dioxide (CO₂), and dry powder fire extinguishing.

Unsuitable extinguishing media: Avoid using direct water to extinguish fires, as this may cause materials to splash and spread the fire.

Special hazards that may arise from chemicals: Combustion may form gases harmful to health.

Special protection for firefighters: Firefighters should wear self-contained breathing apparatus and full-body fire suits and extinguish fires in the upwind direction. If possible, move containers away from the fire scene to an open area. Use water to cool containers exposed to the fire and release steam. Isolate the accident site and prohibit unauthorized personnel from entering. Containing and processing firefighting water to prevent environmental pollution.

Section 6. Accidental Release Measures

Personal protection, protective equipment, and emergency procedures:

Non-emergency personnel: Evacuate personnel to safe areas immediately. Keep personnel away from the leak and upwind. Ventilate confined spaces before entering. If a large leak cannot be controlled, notify local authorities. For personal protection, see MSDS sections 8.

Emergency Responders: Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Environmental protection measures: Avoid release to the environment. If it is released into drains or the aquatic environment, notify local authorities. If it is safe to do so, prevent further release or spillage. Prevent release from entering waterways, sewers, basements, or confined spaces.

Methods and materials for control and cleaning: Neutralize with acid. Soak up with inert absorbent material (e.g., sand, silica gel, acid binder, universal binder, sawdust). Store in suitable closed container for disposal.

Section 7. Handling and Storage

Protective measures for safe operation:

Repeated or prolonged contact with the skin may cause irritation and/or dermatitis and sensitization in sensitive persons. People with asthma, eczema, or skin diseases should avoid contact with this product, including skin contact. Do not breathe vapor/dust. Avoid contact—Obtain special instructions before use. Avoid contact with the skin and eyes. Smoking, Eating, and drinking should be prohibited in the use area. Dispose of rinse water in accordance with local and national regulations.



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Conditions for safe storage, including incompatibilities and prohibited substances:

Keep the container tightly closed in a dry, well-ventilated area. Opened containers must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Store in properly labeled containers. Do not store near acids. Recommended storage temperature: 2 - 40 °C

Section 8. Exposure controls/personal protection

Control parameters:

National occupational exposure limit values: There are no standards for the ingredients of this product.

National Biological Limit Values: There are no standards for the ingredients of this product.

Appropriate engineering controls: Maintain local or general ventilation. Ensure that there are safe places for showering and washing the eyes and body and safe nursing places at the workplace.

Individual protection measures, such as personal protective equipment (PPE):

Eye/Face Protection: Wear chemical safety glasses.

Skin/Hand Protection: Wear suitable chemical protective clothing and gloves.

Respiratory protection: The use of appropriate respiratory protection is recommended.

High temperature protection: If necessary, wear appropriate protective clothing.

Section 9 Physical and chemical properties

Basic physical and chemical properties

Physical state: liquid

color: transparent

odor: No data

Melting point/freezing point: -25°C

Boiling Point or Initial Boiling Point and Boiling Range: No data

Flammability: No data

Flammability limits - upper/lower Limits: No data

Explosive Limits - Upper/Lower: No data

Flash point: >230 °F

Autoignition Temperature: No data

Decomposition temperature: No data

pH value: No data



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Kinematic viscosity: $\leq 15 \text{ mPa.s/25}^\circ\text{C}$

Solubility: ca. 0.483 mg/L at 20 °C

Octanol-water partition coefficient (Log Kow): log Pow:3.77 at ca. 20 °C

Vapor Pressure: ca. 0.018 Pa, at ca. 20 °C

Density: 0.89g/mL at 25 °C

Relative density: 0.89 at 25 °C

Relative vapor density: No data

Particle characteristics (solid): No data

Section 10. Stability and Reactivity

Reactivity: The material is stable under normal storage and handling conditions.

Chemical stability: This product is stable under normal conditions.

Possibility of hazardous reactions: No hazardous reactions have been observed under conditions of normal use.

Conditions to avoid: Incompatible Materials. Keep away from direct sunlight. Do not overheat to avoid thermal decomposition.

Incompatible Materials: Strong acids, strong bases, and strong oxidizing agents.

Hazardous decomposition products: Carbon dioxide (CO₂), carbon monoxide, combustion produces harmful and toxic fumes.

Section 11. Toxicological information

Acute toxicity:

LD50 (Oral, Rat): > 2000 mg/kg bw, female

LD50 (dermal, rabbit): $\geq 4000 \text{ mg/kg bw, male}$

LC50 (Inhalation, Rat): No data

Skin irritation or corrosion: Causes skin irritation.

Eye Irritation or Corrosion: Not this type

Respiratory or skin sensitization: May cause an allergic skin reaction.

Germ Cell Mutagenicity: Not this type

Carcinogenicity: Not this type

Reproductive toxicity: Not this type

Specific target organ toxicity -single exposure: Not this type

Specific target organ toxicity -repeated exposure: Not this type

Aspiration Hazard: Not this type

Additional Information: No data.

Section 12. Ecological information toxicity:

Acute:

LL50 (fish, 96h): > 100 mg/L

EL50 (Daphnia, 48h): 7.2 mg/L

EC50 (algae, 72h): No data Chronic:

NOEC (fish): No data

NOEC (Daphnia): No data

NOEC (algae): 500 mg/L,72H

Persistence and degradability: Easily biodegradable

Bioaccumulation: No data

Mobility in soil: log Koc: > 5.63

Other harmful effects: No data



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Section 13 Disposal Considerations

Disposal method: Do not dispose of this product by draining it into a sewer. Empty containers or liners may retain some product residue, so pay attention to label warnings even when the container is empty. These materials and their containers must be disposed of in a safe manner. Empty containers should be returned to the manufacturer or sent to a nationally/locally approved waste disposal site. Before disposal, refer to national and local regulations and recycle waste chemicals, pack them in sealed containers, and send them to a dedicated waste disposal site.

Section 14. Transport Information

IATA United Nations Number (UN Number): Unregulated

UN proper shipping name: Unregulated

Transport hazard classification: Unregulated

Packing group (if applicable): Unregulated

IMDG United Nations Number (UNNumber): Unregulated

UN proper shipping name: Unregulated

Transport hazard classification: Unregulated

Packing group (if applicable): Unregulated

Is it a marine pollutant? no

Special Notes: Before operating, please read the safety instructions, SDS, and emergency procedures.

Section 15. Administrative Information

Listing status of each country/region

Country or Region	Directory Name	Listed (Yes/No)
Australia	Australian Inventory of Industrial Chemicals (AIIC)	Yes
Canada	Canadian Domestic Chemical Substances List (DSL)	Yes
Canada	Canadian Non-Domestic Chemical Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Japanese Inventory of Existing and New Chemical Substances (ENCS)	Yes
South Korea	Korean Existing Chemical Substances Inventory (KECI)	Yes
New Zealand	New Zealand Inventory of Chemicals (NZIoC)	Yes
The Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
USA	Toxic Substances Control Act (EPA TSCA)	Yes



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