

1. IDENTIFICATION OF THE SUBSTANCE

Supplier of the SDS:

Genesis Poly
2101 E. Murray-Holladay Rd., Suite 100
Holladay, UT 84117

Office: 801-208-5598
Email: Info@genesispoly.com

Spill, leak, fire, exposure, accident, call Infotrac (24/7)

Infotrac (24/7): 1-800-535-5053
Outside the US: 1-352-323-3500
Medical Emergency: 1-800-535-5053

Email: ECG@genesischemco.com

2. GHS HAZARDS IDENTIFICATION

GHS Ratings:

Oral Toxicity	Acute Toxic 4	ORAL>300+<=2000MG/KG
Eye Corrosive	2A	Eye irritant: Subcategory 2A, Reversible in 21 Days

GHS Hazards:

H302 Harmful if swallowed
H319 Causes serious eye irritation

GHS Warnings:



GHS Precautions:

P264 Wash exposed skin thoroughly after handling
P270 Do not eat, drink or smoke when using this product
P280 Wear protective gloves, protective clothing, eye protection, face protection
P301, P312 IF SWALLOWED: Call a Poison Center or physician if you feel sick.
P305, P351, P338 IF IN EYES: Rinse continuously with water for several minutes. If present, remove contact lenses if able—continue rinsing
P330 Rinse mouth
P337, P313 Get medical attention or advice,
P501 Dispose of contents in accordance with applicable regional, national and local laws

3. COMPOSITION / INFORMATION OF INGREDIENTS

Chemical Name	CAS No.	Weight-%	OSHA Exposure Limits	ACGIH Exposure Limits
Propylene glycol diamine, 2- amino-, diether with Propylene	9046-10-0	50-60	Not Available	Not Available
Diethyltoluenediamine	68479-98-1	20-30	Not Available	Not Available
Poly[oxy(methyl-1,2- ethanediyl)] , .alpha.,.alpha.', .alpha."- 1,2,3-propanetriyltris [.omega.-(2- aminomethylethoxy	64852-22-8	10-20	Not Available	Not Available

The exact percentage of composition has been withheld as a trade secret

4. FIRST-AID MEASURES

General Advice If symptoms persist, call a physician. Do not get in eyes, on skin, or on clothing.

Eye Contact Immediately flush eyes with water for at least 15 minutes, Get medical attention immediately

Skin Contact Wash immediately with plenty of warm, soapy water. Continue to rinse for at least 10 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Inhalation	Breathe in fresh air. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Call a physician.
Ingestion	Do not induce vomiting unless directed otherwise by medical personnel. Do not give anything by mouth to an unconscious person. If the patient is conscious, proceed with washing out their mouth with water. Get medical attention if symptoms appear.

5. FIRE-FIGHTING MEASURES

CAUTION: Heating or Fire can release toxic gas

Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Hazardous Decomposition Products Combustion products may include: carbon monoxide, carbon dioxide, nitrogen oxides, and hydrocarbons

Protective Equipment and Precautions for Fire-fighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. If there is a fire, promptly isolate the scene by removing all persons from the vicinity.

Specific hazards arising from the chemical The product causes irritation of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating and toxic gases and vapors. In the event of a fire, do not breathe fumes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

Environmental precautions

Avoid dispersal of spilled material (and runoff) and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Method and material for containment

If there is no risk, stop leak. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material, e.g., sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where material is handled, stored and processed. Workers should wash their hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not get material in eyes.

Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material. Keep tightly closed when not in use. Empty containers retain product residue and may be hazardous

Conditions for safe storage

Material is to be stored in accordance with local regulations. Store in original container protected from direct sunlight in a dry and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers.

Unsuitable Containers

Do not store in containers made of copper, copper alloys or galvanized surfaces.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls	Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Smell is not an adequate indicator of hazard.
Ventilation	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
Respiratory Protection	In case of inadequate ventilation, wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Skin Protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Eye Protection	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.
General Considerations	Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Boiling Point	No Data	Vapor Pressure	No Data
Appearance	Opaque	Melting Point	No Data	Vapor Density	No Data
Color	As specified	Flash Point	365 F, 185 C	Solubility	No Data
pH	No Data	Evaporation Rate	No Data	Specific Gravity	1.005
Odor	Faint Odor	Flammability	No Data	Partition Coefficient	No Data
Odor Threshold	No Data	Explosive Limits	No Data	Autoignition Temperature	No Data
% Weight Volatile (VOC)	0.00	Decomposition Temperature	No Data	Viscosity	No Data

10. STABILITY AND REACTIVITY

Chemical Stability

Stable at room temperature. No specific test data related to reactivity is currently available.

Hazardous Reactions

No known reactions. Remains stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

Information of routes of exposure

Product Information	Avoid contact with skin, eyes, and inhalation of vapors
Inhalation	Avoid breathing vapors or mists. May be harmful if inhaled
Eye contact	Causes serious eye irritation
Skin contact	Irritating to skin
Ingestion	Do not taste or swallow. Harmful if swallowed

Component Information

Chemical Name	CAS No	Oral LD50	Dermal LD50
Propylene glycol diamine, 2-amino-, diether with Propylene	9046-10-0	480 mg/kg (Rat)	2,090 mg/kg (Rabbit)
Diethyltoluenediamine	68479-98-1	485 mg/kg (Rat)	700 mg/kg (Rabbit)

Measures of Toxicity

ATEmix (oral LD50) 682 mg/kg
ATEmix (dermal LD50) 1,862 mg/kg

Exposure Effects

Sensitization No Information Available
Carcinogenicity Does Not contain Carcinogens
Reproductive Toxicity No Information Available
Aspiration hazard No Information Available

12. ECOLOGICAL INFORMATION

Ecotoxicity – No Information Available

13. DISPOSAL CONSIDERATIONS

Disposal of Waste Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewer.

Contaminated Packaging Empty containers may retain some product residues. This material and its container must be disposed of safely. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.
Always follow regional, national and local laws and regulations when disposing material or containers

14. TRANSPORT INFORMATION

The below information does not convey all specific regulatory information or requirements relating to this product

Agency	Proper Shipping Name	UN Number	Group	Hazard Class
DOT	Not Regulated			
IATA	Not Regulated			
IMDG	Not Regulated			

**Transportation classifications may vary by container volume and by local, regional or national regulations*

It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

15. REGULATORY INFORMATION

International Inventories

TSCA (Toxic Substances Control Act) Complies

SARA 313 (Superfund Amendments and Reauthorization Act) Does not contain any chemicals that are subject to the reporting requirements of the Act and Title 40

US State Regulations

California Proposition 65 – This product contains a chemical(s) known to the state of California to cause cancer or birth defects or other reproductive harm.



16. OTHER INFORMATION

HMIS <i>Hazardous Material Information System</i>	Health Hazards 2	Flammability 1	Physical Hazards 0	Personal Protection X
NFPA <i>National Fire Protection Association</i>	Health Hazards 2	Flammability 1	Instability 0	Special X

HMIS and NFPA Hazard Rating Legend	
*	Chronic Health Hazard
0	INSIGNIFICANT
1	SLIGHT
2	MODERATE
3	HIGH

WHMIS Symbols



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Disclaimer

The information contained on the Safety Data Sheet has been compiled from data considered accurate. This data is believed to be reliable at the date of this publication. It is important to note that values for certain properties can vary from source to source. Genesis Poly LLC, expressly disclaims any warranty express or implied as well as any liability for any injury or loss arising from the use of this information or the materials described. No responsibility will be assumed for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. This data should not to be construed as absolutely complete since additional data may be needed when particular conditions or circumstances exist. It is the responsibility of the user to determine the best precautions necessary for the safe handling and use of this product for each unique application. This data relates only to this specific material and is not to be used in combination with any other materials. Many federal and state regulations pertain directly or indirectly to the product's end use and disposal of containers and unused material. It is the purchaser's responsibility to familiarize himself with all applicable regulations prior to use. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.

END OF SAFETY DATA SHEET