Safety Data Sheet

Pure Seal 2.0

Version: V1.0.0.1
Creation Date: 10/09/2022
Revision Date: 10/09/2022
*Prepared according to UN GHS (the 5th revised edition)

1 Identification of Substance:

Product identifier

Product Name: PURE SEAL 2.0

Suppler Identification:
BPI Synergy Chemical LLC
Address:
421 E. 11th Street,
Tulsa, OK 74120

Telephone:
(817)-983-3544
24-Hr. Emergency Phone Number:
Chemtrec (800) 424-9300
International: +1-(703)527-3887

Product Use: Polyurethane polyol component

2 Hazards identification

Hazard classification according to GHS

Skin Corrosive	**2**	**Reversible adverse effects in dermal tissue, Draize score: >= 2.3<4.0 or persistent inflammation**
Eye corrosive	**1**	**Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >=3, Iritis > 1.5**
Skin sensitizer	**1**	**Skin Sensitizer**
Reproductive toxin	**1B**	**Presumed, Based on experimental animals**
Organ toxin repeated exposure	**2**	**Presumed to be harmful to human health- Animal studies with significant toxic effects relevant to humans at generally Moderate exposure- Human evidence in exceptional cases**

GHS Label

H315	**Causes skin irritation**
H317	**May cause an allergic skin reaction**
H318	**Causes serious eye damage**
H360	**May damage fertility or the unborn child**
H373	**May cause damage to organs through prolonged or repeated exposure**

GHS Precautions

P201	**Obtain special instructions before use**
P202	**Do not handle until all precautions have been read and understood**
P260	**Do not breathe dust/ fume/ gas/ mist/ vapor/ spray**
P261	**Avoid breathing dust/ fume/ gas/ mist/ vapor/ spray**
P264	**Wash hands thoroughly after handling**
P272	**Contaminated work clothing should not be allowed out of the workplace**

P280	**Wear protective gloves/ protective clothing/ eye protection/ face protection**
P281	**Use personal protective equipment as required**
P310	**Immediately call a poison center in case of overexposure**
P314	**Get medical advice/ attention if you feel unwell**
P321	**Specific treatment is urgent (see Section 4 First aid measures)**
P362	**Take off contaminated clothes and wash before reuse**
P363	**Wash contaminated clothes before reuse**
P302+P352	**IF ON SKIN: Wash with soap and water**
P305+P351+P338	**IF IN EYES: Rinse continuously with water for several minutes: Remove contact Lenses if present and easy to do – continue rinsing**
P308+P313	**IF exposed or concerned: Get medical advice/ attention**
P332+P313	**If skin irritation occurs: Get medical advice/ attention**
P333+P313	**If skin irritation or a rash occurs: get medical advice/ attention**
P405	**Store locked up**
P501	**Dispose of contents/ container in accordance with existing federal, state, and Local environmental control laws**

Signal Word: Danger

Acute Toxicity:

Eyes: Corrosive to eyes

Skin: Irrigating to skin

Inhalation: Not expected to be a route of exposure

Ingestion: Harmful if swallowed. Consult Physician

Chronic Effects: Possible harmful target organ effects

3 Composition/information on ingredients

Component	Cas No.	Concentration (weight percent, %)
Polyethylene-polypropylene glycol	9003-11-6	90.0~99.0
Compound of amines, siloxanes and foaming agent	-	1.0~10.0

4 First aid measures

First aid measures

Inhalation: If inhaled and symptoms ensue, move to fresh air. If breathing is difficult, give oxygen
After Eye Contact: Rinse opened eye for at least 15 minutes under running water. Remove contact lenses If present and easy to do so, and continue rinsing. If irritation persists contact physician
After Skin Contact: Clean affected area with soap and plenty of water
After Swallowing: Consult physician
Notes to Physician: Treat symptomatically

5 Firefighting measures

Flash Point: N/A
LEL: N/A **UEL: N/A**
Upper and Lower Explosive Limits listed if known
Suitable Extinguishing Agents: Water spray, CO2, Foam, Dry chemical
Information about Protection against Explosions and Fires: Keep away from flames and sources of heat. Closed containers may rupture when exposed to extreme heat.
Dangerous Products of Decomposition: Oxides of carbon, oxides of nitrogen, oxides of phosphorus, Hydrocarbons, traces of HCN, hydrogen chloride gas, hydrogen fluoride
Protective Equipment: Firefighters should wear a pressure demand self-contained breathing apparatus And protective clothing

6 Accidental release measures

Person-Related Safety Precautions: Use appropriate personal protective equipment during clean up. Evocate and keep unnecessary people out of spill area. Avoid contact with skin and eyes.
Measures for Environmental Protection: Cover and contain spill with absorbent material. Collect for proper disposal according to local, state, and federal regulations
Small Spills: Absorb with earth, sand, or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g., cloth, fleece) clean surface thoroughly to remove residual contamination
Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water

7 Handling and storage

Information for Safe Handling: Avoid contact with eyes, skin, or inhalation
Storage Requirements: Store in dry, well-ventilated area. Keep containers tightly closed. Store between 60℉-100℉. Material may settle.

8 Exposure controls/personal protection

Control parameters

◆ Occupational Exposure limit values

Occupational Exposure limit values	No information available

◆ Biological limit values

Biological limit values	No information available

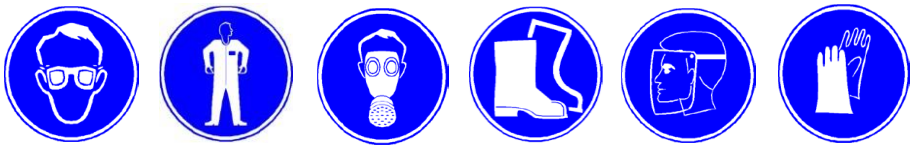
◆ Monitoring methods

1	EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.
2	GBZ/T 160.1~GBZ/T 160.81-2004 Determination of toxic substances in workplace air (Series standard) .

Engineering controls

1	Ensure adequate ventilation, especially in confined areas.
2	Ensure that eyewash stations and safety showers are close to the workstation location.
3	Use explosion-proof electrical/ventilating/lighting/equipment.

Personal protection equipment

General requirement	
Eye protection	Tightly fitting safety goggles (approved by EN 166(EU) or NIOSH (US).
Hand protection	Wear protective gloves (such as butyl rubber) , passing the tests according to EN 374(EU),US F739 or AS/NZS 2161.1 standard.
Respiratory protection	If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges.
Skin and body protection	Wear fire/flame resistant/retardant clothing and antistatic boots.

9 Physical and chemical properties

Physical and chemical properties

Appearance: Milky white
Vapor Pressure: N/A
Vapor Density: N/A
Specific Gravity:
Freezing point: N/A
Boiling range: N/A
Evaporation rate: N/A
Explosive Limits: N/A

Odor: Slight odor
Odor threshold: N/A
pH: 6-8
Melting point: N/A
Solubility: N/A
Flash point: >150℃
Flammability: N/A
Partition coefficient: N/A (n-octanol/water)

10 Stability and reactivity

Stability and reactivity

Reactivity	Contact with incompatible substances can cause decomposition or other chemical reactions.
Chemical stability	Stable under proper operation and storage conditions.
Possibility of hazardous reactions	Avoid oxidants, pollutants such as nitrates, oxidizing acid, chlorine bleach, pool chlorine disinfection, because it may cause a fire.
Conditions to avoid	Incompatible materials, heat, flame and spark.
Incompatible materials	Oxidants, nitrates, oxidizing acid, chlorine bleach.
Hazardous decomposition products	Carbon monoxide, carbon dioxide.

11 Toxicological information

Acute toxicity

Component	Cas No.	LD_{50}(oral)	LD_{50}(dermal)	LC_{50}(inhalation)-4h
Polyethylene-polypropylene glycol	9003-11-6	5700mg/kg(Rat)	No information available	No information available

Carcinogenicity

ID	Cas No.	Component	IARC	NTP
1	9003-11-6	Polyethylene-polypropylene glycol	Not Listed	Not Listed
2	-	Compound of amines,siloxanes and foaming agent	Not Listed	Not Listed

Others

	Blend Polyol
Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/irritation	Based on available data, the classification criteria are not met.
Skin sensitization	Based on available data, the classification criteria are not met.
Respiratory sensitization	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met.
STOT-single exposure	Based on available data, the classification criteria are not met.
STOT-repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met.

12 Ecological information

Acute aquatic toxicity

Acute aquatic toxicity	No information available

Chronic aquatic toxicity

Chronic aquatic toxicity	No information available

Others

Persistence and degradability	No information available
Bioaccumulative potential	No information available
Mobility in soil	No information available
Results of PBT and vPvB assessment	Polyethylene-polypropylene glycol does not meet the criteria for PBT and vPvB according to Regulation (EC) No 1907/2006, annex XIII.

13 Disposal considerations

Recommendation: Observe local requirements. Dispose of in accordance with local/ State/ Federal regulations

Empty Container Precautions: Recondition or dispose of empty container in accordance with governmental regulations. If container is to be disposed, ensure all product residues are removed and container is empty prior to disposal

14 Transport Information

DOT Regulated Components:

This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods unless specifically cited below:

Agency	Proper Shipping Name	Un Number	Packing Group	Hazard Class
	None			

15 Regulatory information

OSHA HAZARD COMMUNICATION STANDARD: This material is classified as hazardous in accordance with OSHA 29 CFR 1910.1200.

SARA 311/312 Hazard Categories: Acute health hazard, chronic health hazard

Warning: This product can expose you to chemicals listed below, which are known to the State of California to cause cancer, birth defects, or reproductive harm. For more information, visit www.P65Warnings.ca,gov

Ethylene glycol	**107-21-1**	**303 PPM**	**Developmental**

Massachusetts Right To Know List:

Triethanolamine	**102-71-6**	**1 to 5 %**

New Jersey Right To Know List:

Triethanolamine	**102-71-6**	**1 to 5 %**

Pennsylvania Right To Know List:

Triethanolamine	**102-71-6**	**1 to 5 %**
Diethylene glycol	**111-46-6**	**5 to 20%**

SARA 302 Extremely Hazardous Substances:

- **None**

Chemicals subject to SARA 313 Reporting:

- **None**

Country	Regulation	All Components Listed
Canada	**Canada DSL**	**Yes**
US	**Toxic Substances Control Act**	**Yes**

16 Others

Information on revision

Creation Date	10/09/2022
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Reason for revision	-

Safety Data Sheet issued by Product Safety Department

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