



SU 208-30T

Safety Data Sheet

according to Circular 17/2022/TT-BCT
Issue date: 7/11/2025 Version: 1.0

SECTION 1: Identification of the substance or mixture and of the supplier

1.1. GHS product identifier or other means of identification of the product/chemicals

Product form : Mixture
Trade name : SU 208-30T
Product code : TBB-20830T100

1.2. Recommended use and restriction on use

Recommended use : Thermal barrier polymer (Part B)

1.3. Supplier's details

Manufacturer

Azon USA Inc.
2204 Ravine Rd
49004 Kalamazoo Michigan
USA
T 269-385-5942

Manufacturer

Azon Asia Inc.
168 Joongwon Ind Rd. Judeok
CB 27459 KOR Chungju
South Korea
T +82 (0) 43 840 0500

1.4. Emergency phone number

Emergency number : For 24/7 multilingual advice for spill, leak, fire, exposure, or accident call CHEMTREC at +65 3163 8374 (Singapore, multilingual) and provide CCN 2189
Back-up Emergency Number: +1-703-527-3887 (USA, English Only)

SECTION 2: Hazards identification

2.1. GHS classification

Classification according to circular 32/2017/TT-BCT

Acute toxicity (oral), Category 5	May be harmful if swallowed.
Acute toxicity (dermal), Category 5	May be harmful in contact with skin.
Serious eye damage/eye irritation, Category 2B	Causes eye irritation.

2.2. GHS label elements

Signal word (GHS VN)	: Warning
Contains	: Glycerol propylene oxide; Diethylene glycol; Ethylene Glycol
Hazard statements (GHS VN)	: H303+H313 - May be harmful if swallowed or in contact with skin H320 - Causes eye irritation
Precautionary statements (GHS VN)	: P264 - Wash hands, forearms and face thoroughly after handling P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P337+P313 - If eye irritation persists: Get medical advice/attention P312 - Call a doctor, a POISON CENTER if you feel unwell

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

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3.2. Mixtures

Name	Product identifier	%	Classification according to circular 32/2017/TT-BCT
Glycerol propylene oxide	CAS-No.: 25791-96-2	15 – 20	Acute Tox. 5 (Oral), H303 Acute Tox. 5 (Dermal), H313
Diethylene Glycol-phthalic Anhydride Polymer	CAS-No.: 32472-85-8	12 – 18	Aquatic Chronic 3, H412
Diethylene glycol	CAS-No.: 111-46-6	6.5 – 14	Acute Tox. 4 (Oral), H302 Eye Irrit. 2B, H320
Ethylene Glycol	CAS-No.: 107-21-1	2 – 5	Acute Tox. 4 (Oral), H302 Eye Irrit. 2B, H320 STOT RE 2, H373

Full text of H-statements: see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general	: IF exposed or concerned: Get medical advice/attention. First aider: Pay attention to self-protection. Never give anything by mouth to an unconscious person. Give artificial respiration if necessary. Induce artificial respiration with mask fitted with one-way valve or other suitable device but not mouth-to-mouth.
First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If the victim is unconscious : Lay in a stable manner on victim's side. Induce artificial respiration with mask fitted with one-way valve or other suitable device; not mouth-to-mouth. Call a physician immediately.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin areas with mild soap and water, followed by warm water rinse. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Call a poison center or a doctor if you feel unwell.
Self protection of the first-aiders	: First aid workers will be equipped with suitable personal protective equipment.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation	: Possible respiratory damage following repeated or prolonged inhalation.
Symptoms/effects after skin contact	: Not expected to present a significant skin hazard under anticipated conditions of normal use.
Symptoms/effects after eye contact	: Mild eye irritation. Redness, itching, tears.
Symptoms/effects after ingestion	: Not expected to present a significant ingestion hazard under anticipated conditions of normal use.
Chronic symptoms	: May cause damage to organs through prolonged or repeated exposure.

4.3. Indication of immediate medical attention and special treatment needed

Other medical advice or treatment	: Call a physician or poison control center immediately.
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SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media	: Dry chemical, CO ₂ , or water spray or regular foam.
Unsuitable extinguishing media	: Do not use a heavy water stream.

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5.2. Specific hazards that form when the chemical burns

Fire hazard	: No fire hazard.
Reactivity in case of fire	: The product is non-reactive under normal conditions of use, storage and transport.
Hazardous decomposition products in case of fire	: Toxic fumes may be released. Carbon dioxide. Carbon monoxide. Nitrogen oxides.

5.3. Protective equipment and clothing and necessary warnings for fire-fighters

Firefighting instructions	: Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. Move containers from fire area if it can be done without personal risk. Prevent fire fighting water from entering the environment.
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SECTION 6: Accidental release measures

6.1. Protective equipment and incident response procedures

6.1.1. For non-emergency personnel

Protective equipment	: Wear recommended personal protective equipment.
Emergency procedures	: Evacuate the danger area. If possible without taking personal risks, Remove ignition sources. If outdoors, move to an area upwind of the danger area. Prevent other non-emergency personnel from entering the danger area. Only qualified personnel equipped with suitable protective equipment may intervene.

6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Evacuate unnecessary personnel. Stop leak if safe to do so. Prevent runoff from entering drains, sewers or waterways.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and materials for containment and cleaning up

For containment	: Stop leak without risks if possible. Contain with non-combustible inert absorbent. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up	: Take up in non-combustible inert absorbent and place into container for disposal. Contaminated absorbent material may pose the same hazard as the spilt product. Decontaminate surfaces and equipment with water and detergent. Until a sufficient level of dilution is achieved, the decontamination water may pose the same hazards as the product. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations. Notify authorities if product enters sewers or public waters.

SECTION 7: Handling and storage

7.1. Measures and conditions for safe handling of hazardous chemicals

Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment. Do not breathe mist, spray, vapours. Avoid contact with skin, eyes and clothing.
Hygiene measures	Always wash hands after handling the product Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.

7.2. Measures and conditions for safe storage

Storage conditions	: Store in a cool, dry and well-ventilated area away from incompatible substances. Keep container tightly closed.
Incompatible materials	: Strong acids, strong bases and strong oxidants.
Packaging materials	: Always store product in container of same material as original container.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

8.3. Personal protective measures and equipment

Personal protective equipment:

Personal protective equipment should be chosen according to national standards and in discussion with the supplier of the protective equipment. Wear recommended personal protective equipment.

Hand protection:

Wear protective gloves. Protective gloves made of : Neoprene or nitrile rubber gloves, PVC or other plastic material or natural rubber gloves

Eye protection:

Chemical goggles or face shield

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of inadequate ventilation, wear respiratory protection. Self-contained breathing apparatus

Personal protective equipment symbol(s):



Environmental exposure controls : Avoid release to the environment. Take measures to reduce or limit air emissions and releases to soil and the aquatic environment.

SECTION 9: Physical and chemical properties

Physical state	: Liquid
Boiling point	: No data available
Colour	: Clear purple to black.
Melting point	: No data available
Odour	: Slight
Flash point	: > 93.3 °C / >199.9 °F
Vapour pressure	: No data available
Auto-ignition temperature	: No data available
Relative vapour density at 20°C	: No data available
Explosive limits	: No data available
Solubility	: No data available
pH	: No data available
Density	: No data available

Others

Appearance	: Liquid.
Flammability (solid, gas)	: Not applicable

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Relative density	: 1.072 – 1.078 @ 25 °C / 77 °F
Solubility in water	: Slightly soluble
Viscosity, dynamic	: 570 – 670 cP @ 25 °C / 77 °F

SECTION 10: Stability and reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport
Chemical stability	: Stable at ambient temperature and under normal conditions of use.
Possibility of hazardous reactions	: No additional information available
Conditions to avoid	: Incompatible materials.
Incompatible materials	: Strong acids, strong bases and strong oxidants
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition generates: Carbon dioxide. Carbon monoxide. Nitrogen oxides.

SECTION 11: Toxicological information

11.1. Acute toxicity

Acute toxicity (oral)	: May be harmful if swallowed.
Acute toxicity (dermal)	: May be harmful in contact with skin.
Acute toxicity (inhalation)	: No data available

Glycerol propylene oxide (25791-96-2)

LD50 oral rat	> 2000 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg bodyweight

Diethylene Glycol-phthalic Anhydride Polymer (32472-85-8)

LD50 dermal rat	> 2000 mg/kg
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Diethylene glycol (111-46-6)

LD50 oral rat	12000 mg/kg
LD50 oral	15600 mg/kg
LD50 dermal rabbit	11890 mg/kg
LD50 dermal	13300 mg/kg

Ethylene Glycol (107-21-1)

LD50 oral rat	4700 mg/kg bodyweight
LD50 dermal rat	9530 mg/kg bodyweight

Skin corrosion/irritation	: No data available
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Ethylene Glycol (107-21-1)

Skin corrosion/irritation, rabbit	Not irritating to skin
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Serious eye damage/eye irritation	: Causes eye irritation.
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Diethylene glycol (111-46-6)

Serious eye damage/irritation, rabbit	Slightly irritating
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Ethylene Glycol (107-21-1)

Serious eye damage/irritation, rabbit	<40% Irritating to eyes (Fully reversible effects within 7 days of observation)
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Respiratory sensitization/ Skin sensitization	: No data available
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Ethylene Glycol (107-21-1)

Guinea pig maximization test	Not sensitive
Skin sensitization, human	Not sensitive

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Germ cell mutagenicity : No data available

Ethylene Glycol (107-21-1)

Germ cell mutagenicity/Dominant lethal test, rat	Negative
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Carcinogenicity : No data available

Diethylene glycol (111-46-6)

NOAEL (chronic, oral, animal/male, 2 years)	1210 mg/kg bodyweight
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NOAEL (chronic, oral, animal/female, 2 years)	1160 mg/kg bodyweight
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Reproductive toxicity : No data available

Glycerol propylene oxide (25791-96-2)

NOAEL (animal/male, F0/P)	≥ 1000 mg/kg bodyweight
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NOAEL (animal/female, F0/P)	300 mg/kg bodyweight
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Specific target organ toxicity- single exposure : No data available

Specific target organ toxicity- repeated exposure : No data available

Glycerol propylene oxide (25791-96-2)

NOAEL (oral, rat, 90 days)	≥ 1000 mg/kg bodyweight
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Diethylene glycol (111-46-6)

LOAEL (oral, rat, 90 days)	40000 mg/kg bodyweight
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Ethylene Glycol (107-21-1)

Specific target organ toxicity- repeated exposure	May cause damage to organs through prolonged or repeated exposure.
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Aspiration hazard : No data available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified.

Hazardous to the aquatic environment, long-term (chronic) : Not classified.

Glycerol propylene oxide (25791-96-2)

LC50 - Fish [1]	218000 mg/l
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EC50 - Crustacea [1]	> 100 mg/l
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EC50 72h - Algae [1]	> 100 mg/l
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LOEC (chronic)	> 10 mg/l
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NOEC (chronic)	≥ 10 mg/l
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Diethylene Glycol-phthalic Anhydride Polymer (32472-85-8)

LC50 - Fish [1]	≥ 100 mg/l
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ErC50 algae	157.4 mg/l
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Partition coefficient n-octanol/water (Log Pow)	0.9 – 1.9
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Diethylene glycol (111-46-6)

LC50 - Fish [1]	75200 mg/l
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NOEC (chronic)	≥ 1000 mg/l
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Partition coefficient n-octanol/water (Log Pow)	-1.47
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Ethylene Glycol (107-21-1)

LC50 - Fish [1]	> 72860 mg/l
EC50 - Crustacea [1]	> 100 mg/l
NOEC (chronic)	≥ 1000 mg/l
NOEC chronic fish	32000 mg/l (7 days)
NOEC chronic crustacea	24000 ml/l (48h)

12.2. Persistence and degradability

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Persistence and degradability	Not established.
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Glycerol propylene oxide (25791-96-2)

Persistence and degradability	Not rapidly degradable
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Diethylene Glycol-phthalic Anhydride Polymer (32472-85-8)

Persistence and degradability	Not rapidly degradable
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Diethylene glycol (111-46-6)

Persistence and degradability	Not rapidly degradable
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Ethylene Glycol (107-21-1)

Persistence and degradability	Not rapidly degradable
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12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.
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Diethylene Glycol-phthalic Anhydride Polymer (32472-85-8)

Partition coefficient n-octanol/water (Log Pow)	0.9 – 1.9
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Diethylene glycol (111-46-6)

Partition coefficient n-octanol/water (Log Pow)	-1.47
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Ethylene Glycol (107-21-1)

Bioaccumulative potential	Does not bioaccumulate.
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12.4. Mobility in soil

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Mobility in soil	No additional information available
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Diethylene Glycol-phthalic Anhydride Polymer (32472-85-8)

Partition coefficient n-octanol/water (Log Pow)	0.9 – 1.9
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Diethylene glycol (111-46-6)

Partition coefficient n-octanol/water (Log Pow)	-1.47
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12.5. Other adverse effects

Other adverse effects : No additional information available

SECTION 13: Disposal considerations

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

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Ecological waste information	: Avoid release to the environment.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations. Dispose of this material and its container at hazardous or special waste collection point. Refer to all applicable national, international and local regulations or provisions.
Additional information	: Do not re-use empty containers.

SECTION 14: Transport information

In accordance with IMDG / IATA / UN RTDG

IMDG	IATA	UN RTDG
14.1 UN number		
Not regulated	Not regulated	Not regulated
14.2 Proper Shipping Name		
Not regulated	Not regulated	Not regulated
14.3 Transport hazard class(es)		
Not regulated	Not regulated	Not regulated
14.4 Packing group		
Not regulated	Not regulated	Not regulated
14.5 Environmental hazards		
Not regulated	Not regulated	Not regulated
No supplementary information available		

14.6. Transport in bulk

Not applicable

14.7. Special precautions for users which need to be complied in transport

UN RTDG

Not regulated

IMDG

Not regulated

IATA

Not regulated

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations for the product

Law on Chemicals		
Vietnam Annex I: List of chemicals subject to conditional production or import	Applicable	SU 208-30T
Vietnam Annex II: List of chemicals restricted from production or trade	Not applicable based on public information	
Vietnam Annex III: List of banned chemicals	Not applicable based on public information	
Vietnam Annex IV: List of hazardous chemicals for which chemical incident prevention and response plans are required	Not applicable based on public information	
Vietnam Annex V: List of chemicals subject to compulsory declarations	Applicable	SU 208-30T

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National Chemical Inventory (NCI)

National Chemical Inventory (NCI)	Applicable	25791-96-2: Poly[oxy(methyl-1,2-ethanediyl)], alpha,alpha',alpha''-1,2,3-propanetriyl/tris[omega-hydroxy-32472-85-8: 1,3-Isobenzofurandione, polymer with 2,2'-oxybis[ethanol] 111-46-6: Ethanol, 2,2'-oxybis- 107-21-1: Ethylene glycol
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15.2. International regulations

No additional information available

SECTION 16: Other information

Data sources	: SDS prepared by CHEMTREC
Company	: Azon USA Inc.
Version	: 1.0
Issue date	: 7/11/2025

Full text of H-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Acute Tox. 5 (Dermal)	Acute toxicity (dermal), Category 5
Acute Tox. 5 (Oral)	Acute toxicity (oral), Category 5
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Eye Irrit. 2B	Serious eye damage/eye irritation, Category 2B
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
H302	Harmful if swallowed
H303	May be harmful if swallowed
H313	May be harmful in contact with skin
H320	Causes eye irritation
H373	May cause damage to organs through prolonged or repeated exposure
H412	Harmful to aquatic life with long lasting effects

Safety Data Sheet (SDS), Vietnam

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.