

1. Product and company identification

1.1. Product Name

Product form : Mixture
Trade name : Azo Purge MP2

1.2. Recommended use of the chemical and restrictions on use

1.2.1. Recommended use

Recommended use : Solvent mixture.

1.2.2. Restrictions on use

All other uses not recommended above.

1.3. Supplier information

- Manufacturer
Company : Azon USA Inc.
Address : (49004) USA Michigan Kalamazoo 2204 Ravine Rd
Tel. : 269-385-5942
Emergency information : For 24/7 multilingual advice for spill, leak, fire, exposure, or accident call CHEMTREC at 080-880-0454 (Toll Free, Local, Korean) and provide CCN 2189
Back-up Emergency Number: +65 3163 8374 (Singapore, multilingual) +1-703-527-3887 (USA, English Only)

- Distributor
Company : Azon Asia Inc.
Address : (CB 27459 KOR) South Korea Chungju 168 Joongwon Ind Rd. Judeok
Tel. : +82 (0) 43 840 0500

2. Hazards identification

2.1. Hazard Classification

Flammable liquids, Not classified
Acute toxicity (dermal), Category 5 H313
Serious eye damage/eye irritation, Category 2A H319

2.2. Label elements including precautionary statements

2.2.1. Hazard pictograms (GHS KR)



2.2.2. Signal word (GHS KR)

Warning.

2.2.3. Hazard statements (GHS KR)

H313 - May be harmful in contact with skin.
H319 - Causes serious eye irritation.

2.2.4. Precautionary statements (GHS KR)

Precaution:

P264 - Wash hands thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

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Treatment:

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 POISON CENTER if you feel unwell.

Storage:

Not applicable

Disposal:

Not applicable

2.3. Other Hazard which are not included in the classification criteria

Causes eye irritation

3. Composition/information on ingredients

Product form : Mixture

Substance name	Other Names	CAS-No. and Identifier number	Concentration (%)
Dimethyl Glutarate	No data available	CAS-No.: 1119-40-0	60 – 80

4. First-aid measures

4.1. Eye contact

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.

4.2. Skin contact

Remove affected clothing and wash all exposed skin areas with mild soap and water, followed by warm water rinse.

If skin irritation occurs: Get medical advice/attention.

4.3. Inhalation

Remove person to fresh air and keep comfortable for breathing.

If experiencing respiratory symptoms: Call a poison center or a doctor.

4.4. Ingestion

Rinse mouth out with water.

Do not induce vomiting.

If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.

If you feel unwell, seek medical advice.

4.5. Indication of immediate medical attention and notes for physician

Treat symptomatically.

5. Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Dry chemical, CO2, or water spray or regular foam.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Not flammable.

Explosion hazard : No direct explosion hazard.

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5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Use extinguishing media appropriate for surrounding fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear recommended personal protective equipment.
Evacuate the danger area.
If outdoors, move to an area upwind of the danger area.
Avoid contact with skin and eyes.
If possible without taking personal risks, remove ignition sources, ventilate area.
Prevent other non-emergency personnel from entering the danger area.
Wear the recommended personal protective equipment.
Evacuate personnel to a safe area.
Ventilate spillage area.
Stop leak if safe to do so.

6.2. Environmental precautions and protective procedures

Do not let the product reach soil, drains, sewers, or surface and ground water.

6.3. Methods and material for containment and cleaning up

Contain with non-combustible inert absorbent.
Stop leak if safe to do so.
Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
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.

7. Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Use only outdoors or in a well-ventilated area. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid breathing mist, spray, vapours, gas. Take precautionary measures against static discharge.
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7.2. Conditions for safe storage

Storage conditions	: Store in a cool, dry and well-ventilated area away from incompatible substances. Keep container closed when not in use.
Incompatible products	: Oxidizing agents. Strong acids. Strong bases.

8. Exposure controls & personal protection

8.1. Control parameters (e.g. occupational exposure limit values, biological limit values)

Not applicable

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8.2. Appropriate engineering controls

- Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
- Environmental exposure controls : Avoid release to the environment.
Take measures to reduce or limit air emissions and releases to soil and the aquatic environment.

8.3. Personal protection equipment

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Eye protection

Chemical goggles or safety glasses.

Wear safety glasses which protect from splashes

Hand protection

Wear protective gloves.

Wear suitable gloves resistant to chemical penetration

Skin and body protection

Wear suitable protective clothing.

Body protection should be chosen depending on activity and possible exposure

Personal protective equipment symbol(s):



9. Physical and chemical properties

- | | |
|--|---|
| a) Appearance | : No data available |
| Physical state | : Liquid |
| Colour | : Colorless. |
| b) Odour | : No data available |
| c) Odour threshold | : No data available |
| d) pH | : No data available |
| e) Melting / freezing point | : Not applicable / No data available |
| f) Initial boiling point and boiling range | : 196 °C (384.8 °F) |
| g) Flash point | : 103 °C (217.4 °F) |
| h) Evaporation rate | : No data available |
| i) Flammability (solid, gas) | : No data available |
| j) Upper / lower flammability or explosive limits | : No data available |
| k) Vapour pressure | : 0.2 mm Hg @20 °C (68°F) |
| l) Solubility | : Solubility in water: Slightly soluble |
| m) Vapour density | : No data available |
| n) Relative density | : No data available |
| o) Partition coefficient n-octanol/water (Log Kow) | : No data available |
| p) Auto-ignition temperature | : No data available |
| q) Decomposition temperature | : No data available |
| r) Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| s) Molecular mass | : No data available |

10. Stability and reactivity

10.1. Chemical stability and Possibility of hazardous reactions

The product is non-reactive under normal conditions of use, storage and transport.
Stable under normal conditions of use.

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Stable under normal conditions of use.

10.2. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.3. Incompatible materials

Oxidizing agents.
Strong acids.
Strong bases.

10.4. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Thermal decomposition generates:
Carbon dioxide.
Carbon monoxide.

11. Toxicological information

11.1. Information on the likely routes of exposure

Oral	: Not classified
Skin and eyes contact	: Acute toxicity (dermal) - May be harmful in contact with skin. Serious eye damage/eye irritation - Causes serious eye irritation.
Inhalation	: Not classified

11.2. Health hazards information

Acute toxicity (oral):

Not classified

Acute toxicity (dermal):

May be harmful in contact with skin.

Acute toxicity (inhalation):

Not classified

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ATE KR (dermal)	2500 mg/kg bodyweight
100% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))	

Dimethyl Glutarate (1119-40-0)

LD50 oral rat	8900 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg bodyweight

Skin corrosion/irritation:

Not classified

Serious eye damage/irritation:

Causes serious eye irritation.

Respiratory sensitization:

Not classified

Skin sensitization:

Not classified

Carcinogenicity:

Not classified

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Mutagenicity:

Not classified

Reproductive toxicity:

Not classified

STOT-single exposure:

Not classified

STOT-repeated exposure:

Not classified

Aspiration hazard:

Not classified

12. Ecological information

12.1. Aquatic and terrestrial ecotoxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

Dimethyl Glutarate (1119-40-0)

LC50 - Fish [1]	13400 mg/l
EC50 - Crustacea [1]	3940 – 4670 mg/l
Partition coefficient n-octanol/water (Log Pow)	0.62

12.2. Persistence and degradability

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Persistence and degradability	Not established.
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Dimethyl Glutarate (1119-40-0)

Persistence and degradability	Rapidly degradable
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12.3. Bioaccumulative potential

Dimethyl Glutarate (1119-40-0)

Partition coefficient n-octanol/water (Log Pow)	0.62
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12.4. Mobility in soil

Dimethyl Glutarate (1119-40-0)

Partition coefficient n-octanol/water (Log Pow)	0.62
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12.5. Other adverse effects

Ozone	: Not classified
Other adverse effects	: No data available

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13. Disposal considerations

13.1. Disposal method

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Ecological waste information	: Avoid release to the environment.

13.2. Disposal precaution

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.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Additional information	: Do not re-use empty containers.

14. Transport information

In accordance with UN RTDG / ADR / IMDG / IATA

UN RTDG	ADR	IMDG	IATA
14.1. UN number			
Not regulated for transport			
14.2. UN proper shipping name			
Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)			
Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group			
Not regulated	Not regulated	Not regulated	Not regulated
14.5. Marine pollutant			
Not regulated	Not regulated	Not regulated	Not regulated
No data available			

14.6. Special precaution which a user to be aware of or needs to comply with in connection with transport or conveyance either within or outside their premises

No data available

15. Regulatory information

15.1. Occupational Safety and Health Act

Hazardous Substances Prohibited for Manufacturing	Not applicable
Hazardous Substances Requiring Permission	Not applicable
Threshold Limit Values Chemicals	Not applicable
Hazardous Substances Below Permissible Level	Not applicable
Hazardous Substances Subject to Working Environment Measurement	Not applicable
Hazardous Substances Subject to Workers Requiring Health Examination	Not applicable
Hazardous Substances Subject to Control	Not applicable
Substance Subject to Submission of PSM	Not applicable

15.2. Chemical Substances Control Act

Toxic Substances	Not applicable
Prohibited Substances	Not applicable

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Restricted Substances	Not applicable
Substances Requiring Preparation for Accident	Not applicable

15.3. Safety Control of Dangerous Substances Act

Safety Control of Dangerous Substances Act	Applicable	1119-40-0: Dimethyl Glutarate (Class 4 Flammable liquid - category 5 Third class Petroleum Water-insoluble (Designated quantity: 2,000 liter))
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15.4. Wastes Control Act

Hazardous Substances in Designated wastes	Not applicable
Types of wastes	No data available

15.5. Other requirements in domestic and other countries

Act on Registration and Evaluation of Chemicals (K-REACH)

Korea Existing Chemicals Inventory (KECI)	Applicable	1119-40-0: Dimethyl Glutarate (KECI-No. : KE-27978)
Priority Existing Chemicals (PEC)	Not applicable	
Substances Subject to Intensive Control	Not applicable	
CMR Substances	Not applicable	

Other Domestic Regulations

Persistent Organic Pollutants(POPs) Control Act	Not applicable
Ozone Depleting Substances(ODS)	Not applicable
PRTR Substances	Not applicable

EU Regulatory Information

EU Candidate list (SVHC)	Contains no substance(s) listed on the REACH Candidate List
EU authorization list (REACH Annex XIV)	Contains no substance(s) listed on REACH Annex XIV (Authorisation List)
EU restriction list (REACH Annex XVII)	Not applicable

US Regulatory Information

CERCLA Section 103 (40CFR302.4)	Not applicable
EPCRA Section 302 (40CFR355.30)	Not applicable
EPCRA Section 304 (40CFR355.40)	Not applicable
EPCRA Section 313 (40CFR372.65)	Not applicable

16. Other information

16.1. Information source and references

SDS prepared by CHEMTREC.

16.2. Issue date

4/11/2025

16.3. Revision number and Revision date

Version	: 1.0
Revision date	: No data available

16.4. Others

No data available

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.