



Azo Purge MP2

Safety Data Sheet

according to the Hazardous Substances and New Organisms Act (1996)
Issue date: 11/04/2024 Version: 1.0

SECTION 1: Identification

1.1 Product identifier

Trade name : Azo Purge MP2
Product form : Mixture

1.2 Other means of identification

No additional information available

1.3 Recommended use of the chemical and restrictions on use

Recommended use : Solvent mixture
Restrictions on use : All other uses not recommended above

1.4 Details of manufacturer or importer

Manufacturer

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

Importer

Altus NZ Ltd
Pukete Industrial Estate
53-69 Maui Street
Terapa Hamilton NZ2001 NZL

Manufacturer

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

1.5. Emergency phone number

Emergency number : For 24/7 multilingual advice for spill, leak, fire, exposure, or accident call CHEMTREC at +65 3163 8374 (Regional, multilingual) +64 9-801 0034 (Auckland, Local) 0800 425 459 (Local, Toll-Free- Mobile Enabled) and provide CCN 2198

SECTION 2: Hazard identification

2.1. Classification of the hazardous chemical

Classification according to the Environmental Protection Authority notices (EPA Hazardous Substances and New Organisms Act 1996)

Serious eye damage/eye irritation, Category 2 H319

2.2. GHS Label elements, including precautionary statements

GHS NZ labelling

Hazard pictograms (GHS NZ)



Signal word (GHS NZ) : Warning
Contains : Dimethyl Glutarate (60 – 80 %); Dimethyl Adipate (10 – 30 %)
Hazard statements (GHS NZ) : H319 - Causes serious eye irritation
Prevention : P264 - Wash hands, forearms and face thoroughly after handling.
P280 - Wear eye protection, face protection.
Response : 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.

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2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition and information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to GHS NZ
Dimethyl Glutarate	CAS-No.: 1119-40-0	60 – 80	Eye Irrit. 2, H319
Dimethyl Adipate	CAS-No.: 627-93-0	10 – 30	Eye Irrit. 2, H319
Dimethyl Succinate	CAS-No.: 106-65-0	10 – 30	Eye Irrit. 2A, H319

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures general	: First aider: Pay attention to self-protection. Never give anything by mouth to an unconscious person. Induce artificial respiration with mask fitted with one-way valve or other suitable device but not mouth-to-mouth. IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation occurs: Get medical advice/attention.
First-aid measures after 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.
First-aid measures after 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.

4.2. Symptoms caused by exposure

Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: May cause irritation to skin.
Symptoms/effects after eye contact	: Stinging, redness, itching, tears, blurred vision, swelling.

4.3. Medical attention and special treatment

Other medical advice or treatment	: Treat symptomatically.
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SECTION 5: Fire-fighting measures

5.1. 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. Specific hazards arising from the chemical

Fire hazard	: Not flammable.
Explosion hazard	: No direct explosion hazard.
Hazardous decomposition products in case of fire	: Toxic fumes may be released. Thermal decomposition generates : Carbon dioxide. Carbon monoxide.

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.
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Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No additional information available

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.
Emergency procedures : 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.

6.1.2. For emergency responders

Protective equipment : Wear the recommended personal protective equipment.
Emergency procedures : Evacuate personnel to a safe area. Ventilate spillage area. Stop leak if safe to do so.

6.2. Environmental precautions

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

6.3. Methods and materials for containment and cleaning up

For containment : 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.
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.

SECTION 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.

7.2. Conditions for safe storage, including any incompatibilities

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.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters - exposure standards

No additional information available

Exposure limit values for the other components

No additional information available

8.2. Monitoring methods

No additional information available

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8.3. Engineering controls

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

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

Hand protection : Wear protective gloves. Wear suitable gloves resistant to chemical penetration
Eye protection : Chemical goggles or safety glasses. Wear safety glasses which protect from splashes
Skin and body protection : Wear suitable protective clothing. Body protection should be chosen depending on activity and possible exposure
Respiratory protection : In case of inadequate ventilation wear respiratory protection.

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
Appearance	: No data available
Colour	: Colorless
Odour	: Odourless.
Odour threshold	: No additional information available
pH	: No additional information available
Evaporation rate	: No additional information available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point / Freezing point	: No additional information available
Boiling point	: 196 °C (384.8 °F)
Flash point	: 103 °C (217.4 °F)
Auto-ignition temperature	: No data available
Flammability	: No additional information available
Vapour pressure	: Vapour pressure: 0.2 mm Hg @20 °C (68°F)
Relative density	: No additional information available
Density	: No additional information available
Solubility	: Water: Slightly soluble
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Explosive limits	: No additional information available
Minimum ignition energy	: No data available

SECTION 10: Stability and reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions of use.
Possibility of hazardous reactions	: Stable under normal conditions of use.
Conditions to avoid	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Incompatible materials	: Oxidizing agents. Strong acids. Strong bases.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition generates : Carbon dioxide. Carbon monoxide.

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SECTION 11: Toxicological information

11.1. Toxicity

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Dimethyl Glutarate (1119-40-0)

LD50 oral rat	8900 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg bodyweight
LC50 Inhalation - Rat	Based on a related compound: not expected to be an inhalation hazard

Dimethyl Adipate (627-93-0)

LD50 oral	8500 mg/kg bodyweight (mouse)
LD50 dermal rat	> 2000 mg/kg bodyweight
LD50 dermal rabbit	> 5000 mg/kg bodyweight
LC50 Inhalation - Rat	Based on a related compound: not expected to be an inhalation hazard

Dimethyl Succinate (106-65-0)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg bodyweight
LD50 dermal rabbit	> 5000 mg/kg

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.

Dimethyl Adipate (627-93-0)

Serious eye damage/irritation, rabbit	Moderately irritating
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Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. 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
Soil toxicity	: Not classified
Terrestrial vertebrate toxicity	: Not classified
Terrestrial invertebrate toxicity	: 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

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Dimethyl Glutarate (1119-40-0)	
	> 2000 mg/kg bodyweight
LD50 oral rat	8900 mg/kg bodyweight
Dimethyl Adipate (627-93-0)	
LC50 - Fish [1]	87.095 mg/l
EC50 - Crustacea [1]	72 mg/l
EC50 72h - Algae [1]	> 100 mg/l
Partition coefficient n-octanol/water (Log Pow)	1.03
LD50 dermal rabbit	> 5000 mg/kg bodyweight
	> 2000 mg/kg bodyweight
Dimethyl Succinate (106-65-0)	
LC50 - Fish [1]	50 mg/l
EC50 - Crustacea [1]	> 100 mg/l
EC50 72h - Algae [1]	> 100 mg/l
NOEC (chronic)	358.6 mg/l
Partition coefficient n-octanol/water (Log Pow)	0.35
LD50 dermal rabbit	> 5000 mg/kg
	> 2000 mg/kg bodyweight
LD50 oral rat	> 5000 mg/kg
12.2. Persistence and degradability	
Azo Purge MP2	
Persistence and degradability	Not established.
Dimethyl Glutarate (1119-40-0)	
Persistence and degradability	Rapidly degradable
Dimethyl Adipate (627-93-0)	
Persistence and degradability	Rapidly degradable
Dimethyl Succinate (106-65-0)	
Persistence and degradability	Rapidly degradable
12.3. Bioaccumulative potential	
Azo Purge MP2	
Bioaccumulative potential	No additional information available
Dimethyl Glutarate (1119-40-0)	
Partition coefficient n-octanol/water (Log Pow)	0.62
Dimethyl Adipate (627-93-0)	
Partition coefficient n-octanol/water (Log Pow)	1.03
Dimethyl Succinate (106-65-0)	
Partition coefficient n-octanol/water (Log Pow)	0.35

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12.4. Mobility in soil

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Mobility in soil	No additional information available
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Dimethyl Glutarate (1119-40-0)

Partition coefficient n-octanol/water (Log Pow)	0.62
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Dimethyl Adipate (627-93-0)

Mobility in soil	10.9
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Partition coefficient n-octanol/water (Log Pow)	1.03
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Dimethyl Succinate (106-65-0)

Partition coefficient n-octanol/water (Log Pow)	0.35
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12.5. Other adverse effects

Ozone	: Not classified
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.
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.
Ecological information	: Avoid release to the environment.
Additional information	: Do not re-use empty containers.

SECTION 14: Transport information

In accordance with IMDG / IATA / UN RTDG

IMDG	IATA	UNRTDG
14.1. UN number		
Not regulated for transport		
14.2. UN 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. Special precautions for user

Transport by road and rail
Not regulated

Transport by sea
Not regulated

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Air transport

Not regulated

14.7. Transport in bulk according to IMO instruments

Not applicable

14.8. Hazchem or Emergency Action Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

Dimethyl Glutarate (1119-40-0)

Hazardous Substances and New Organisms Act

HSNO Approval Number	HSR003381
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Dimethyl Adipate (627-93-0)

Hazardous Substances and New Organisms Act

HSNO Approval Number	HSR003467
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Dimethyl Succinate (106-65-0)

Hazardous Substances and New Organisms Act

HSNO Approval Number	HSR003468
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15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Issue date : 11/04/2024

Data sources : SDS prepared by CHEMTREC.

Full text of H-statements

Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
H319	Causes serious eye irritation

Safety Data Sheet (SDS), New Zealand

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.