

SECTION 1: Product identifier**1.1. GHS Product identifier**

Product form : Mixture
Trade name : Azo Purge MP2

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


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) +61 2 9037 2994 (Sydney, English) 1800 862 115 (Toll-Free, Local, English) and provide CCN 2189

SECTION 2: Hazard identification**2.1. Classification of the hazardous chemical****Classification according to the model Work Health and Safety Regulations (WHS Regulations)**

Serious eye damage/eye irritation, Category 2A H319

2.2. GHS Label elements, including precautionary statements

Hazard pictograms (GHS AU) : 
Exclamation mark

Signal word (GHS AU) : Warning

Contains : Dimethyl Glutarate (60 – 80 %); Dimethyl Adipate (10 – 30 %); Dimethyl Succinate (10 – 30 %)

Hazard statements (GHS AU) : H319 - Causes serious eye irritation

Precautionary statements (GHS AU) : P264 - Wash hands, forearms and face thoroughly after handling.
P280 - Wear eye protection, face protection.
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.

2.3. Other hazards which do not result in classification

No additional information available

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SECTION 3: Composition and information on ingredients

Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
Dimethyl Glutarate	1119-40-0	60 – 80	Eye Irrit. 2A, H319
Dimethyl Adipate	627-93-0	10 – 30	Eye Irrit. 2A, H319
Dimethyl Succinate	106-65-0	10 – 30	Skin Corr./Irrit. Not classified 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, CO ₂ , 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.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

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| 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

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| 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

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| 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

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| 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, including any incompatibilities

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| 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

8.2. Monitoring methods

No additional information available

8.3. Engineering controls

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| Appropriate engineering controls | : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. |
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8.4. Individual protection measures, such as personal protective equipment (PPE)

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| 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 |

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- 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 data available
- pH : No data available
- pH solution : No data available
- Relative evaporation rate (butylacetate=1) : No data available
- Melting point / Freezing point : No data available
- Boiling point : 196 °C (384.8 °F)
- Flash point : 103 °C (217.4 °F)
- Auto-ignition temperature : No data available
- Flammability : No data available
- Vapour pressure : Vapour pressure: 0.2 mm Hg @20 °C (68°F)
- Relative density : No data available
- Density : No data available
- Solubility : Water: Slightly soluble
- Partition coefficient n-octanol/water (Log Pow) : No data available
- Explosive properties : No data available
- Explosive limits : No data available
- Minimum ignition energy : No data available
- Fat solubility : 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.

SECTION 11: Toxicological information

- 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

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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

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

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

Dimethyl Adipate (627-93-0)	
LC50 - Fish [1]	87.095 mg/l
EC50 - Crustacea [1]	72 mg/l
Partition coefficient n-octanol/water (Log Pow)	1.03

Dimethyl Succinate (106-65-0)	
LC50 - Fish [1]	50 mg/l
EC50 - Crustacea [1]	> 100 mg/l
NOEC (chronic)	358.6 mg/l
Partition coefficient n-octanol/water (Log Pow)	0.35

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12.2. Persistence and degradability

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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

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

12.4. Mobility in soil

Dimethyl Glutarate (1119-40-0)

Partition coefficient n-octanol/water (Log Pow) : 0.62

Dimethyl Adipate (627-93-0)

Mobility in soil : 10.9

Partition coefficient n-octanol/water (Log Pow) : 1.03

Dimethyl Succinate (106-65-0)

Partition coefficient n-octanol/water (Log Pow) : 0.35

12.5. Other adverse effects

Ozone : Not classified

Other adverse effects : No additional information available

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Fluorinated greenhouse gases : False

Dimethyl Glutarate (1119-40-0)

Fluorinated greenhouse gases : False

Dimethyl Adipate (627-93-0)

Fluorinated greenhouse gases : False

Dimethyl Succinate (106-65-0)

Fluorinated greenhouse gases : False

SECTION 13: Disposal considerations

Regional waste regulation : Disposal must be done according to official regulations.

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

SECTION 14: Transport information

In accordance with ADG / IMDG / IATA

ADG	IMDG	IATA
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

14.6. Special precautions for user

Specific storage requirement	: No data available
Shock sensitivity	: No data available

14.7. Additional information

Other information : No supplementary information available

Transport by road and rail

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

14.8. Hazchem or Emergency Action Code

Hazchem Code : Not applicable

SECTION 15: Regulatory information

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

No additional information available

15.2. International agreements

No additional information available

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SECTION 16: Other information

Data sources : SDS prepared by CHEMTREC.

Classification

Eye Irrit. 2A	H319
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Full text of H-statements

Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Skin Corr./Irrit. Not classified	Skin corrosion/irritation Not classified
H319	Causes serious eye irritation

Safety Data Sheet (SDS), Australia

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.