



13-302A Iso Component Part A

Safety Data Sheet

according to the Hazardous Substance SDS Notice 2017 (EPA)

Issue date: 20/05/2025 Revision date: 28/09/2026 Supersedes: 20/05/2025 Version: 1.1

SECTION 1: Identification

1.1 Product identifier

Trade name : 13-302A Iso Component Part A
Product form : Mixture

1.2 Other means of identification

Other means of identification : Part No. TBA-13302A
Synonyms : Azo Nate 300, Azo Cast R0310

1.3 Recommended use of the chemical and restrictions on use

Recommended use : Thermal barrier polymer (Part A)

1.4 Details of manufacturer or importer

Manufacturer

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

Manufacturer

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

Importer

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

1.5. Emergency phone number

Emergency number : For 24/7 multilingual advice for spill, leak, fire, exposure, or accident call CHEMTREC at 0800 425 459 New Zealand, Toll-Free- Mobile Enabled +64 9 801 0034 (Auckland, New Zealand) and provide CCN 2189
Back-up Emergency Number: +65 3163 8374 (Singapore, multilingual) +1-703-527-3887 (United States, answered in English, request other languages)

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)

Acute toxicity (inhalation:vapour) Category 4	H332
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2	H319
Respiratory sensitisation, Category 1	H334
Skin sensitisation, Category 1	H317
Carcinogenicity, Category 2	H351
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	H335
Specific target organ toxicity – Repeated exposure, Category 2	H373

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2.2. GHS Label elements, including precautionary statements

GHS NZ labelling

Hazard pictograms (GHS NZ)



Signal word (GHS NZ)

: Danger

Contains

: Polymeric MDI (9016-87-9); 4,4'-Methylenediphenyl diisocyanate (101-68-8); 1,3-Bis(4-((4-isocyanatophenyl)methyl)phenyl)-1,3-diazetidine-2,4-dione; Isocyanic acid, polymethylenepolyphenylene ester, polymer with a-hydro-ω-hydroxypoly(oxy-1,2-ethanediyl)

Hazard statements (GHS NZ)

: H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H332 - Harmful if inhaled
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335 - May cause respiratory irritation
H351 - Suspected of causing cancer
H373 - May cause damage to organs (respiratory system) through prolonged or repeated exposure (Inhalation)

Prevention

: P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P260 - Do not breathe fume, spray, vapours.
P264 - Wash hands, forearms and face thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P280 - Wear protective gloves, protective clothing, eye protection, face protection.
P284 - Wear respiratory protection.

Response

: P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P342+P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor.
P331 - Do NOT induce vomiting.
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.
P308+P313 - IF exposed or concerned: Get medical advice/attention.
P312 - Call a POISON CENTER or doctor if you feel unwell.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Storage

Disposal

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

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3.2. Mixtures

Name	Product identifier	%	Classification according to GHS NZ
Polymeric MDI (Diphenylmethane Diisocyanate, isomers and homologues, 4,4'-Methylenediphenyl diisocyanate)	CAS-No.: 9016-87-9	90 – 100	Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 STOT SE 3, H335 STOT RE 2, H373
4,4'-Methylenediphenyl diisocyanate	CAS-No.: 101-68-8	27 – 50	Acute Tox. 3 (Inhalation), H331 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373
1,3-Bis(4-((4-isocyanatophenyl)methyl)phenyl)-1,3-diazetidine-2,4-dione	CAS-No.: 17589-24-1	1 – 3	Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373
Isocyanic acid, polymethylenepolyphenylene ester, polymer with a-hydro-ω-hydroxypoly(oxy-1,2-ethanediyl)	CAS-No.: 57636-09-6	1 – 3	Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Resp. Sens. 1, H334 Skin Sens. 1B, H317 Carc. 2, H351 STOT SE 3, H335

Comments : CAS [101-68-8] is an MDI isomer that is part of CAS [9016-87-9].

SECTION 4: First-aid measures

4.1. Description of necessary 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-aider	: First aid workers will be equipped with suitable personal protective equipment.

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4.2. Symptoms caused by exposure

Symptoms/effects after inhalation	: Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Prolonged and frequent exposure through inhalation may cause cancer. May cause respiratory irritation.
Symptoms/effects after skin contact	: May cause an allergic skin reaction. Irritation (itching, redness, blistering).
Symptoms/effects after eye contact	: Causes serious eye irritation. Redness, itching, tears.
Symptoms/effects after ingestion	: Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.
Chronic symptoms	: Prolonged and frequent exposure through inhalation may cause cancer. May cause damage to organs (respiratory system) through prolonged or repeated exposure (Inhalation).

4.3. Medical attention and special treatment

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

5.1. Extinguishing media

Suitable extinguishing media	: Carbon dioxide (CO ₂), dry chemical powder, foam.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard	: No fire hazard.
General measures	: Avoid all personal contact including breathing in the mist, spray, vapours. Do not take actions involving personal risks. Absorb spillage to prevent material damage. Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.
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. Isocyanates.

5.3. Special protective equipment and precautions 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.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Hazchem Code	: * 3Z
EAC code	: •3Z - •3Z

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Avoid all personal contact including breathing in the mist, spray, vapours. Do not take actions involving personal risks. Absorb spillage to prevent material damage. Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.
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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.

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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. Precautions for safe handling

- 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. Take precautionary measures against static discharge.
- 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. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a cool, dry and well-ventilated area away from incompatible substances. Keep container tightly closed.
- Incompatible materials for storage : Alcohols. Amines. Copper alloys. Strong oxidizers. Acids. Ammonia. Bases. Humid air, water.
- Packaging materials : Always store product in container of same material as original container.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters - exposure standards

4,4'-Methylenediphenyl diisocyanate (101-68-8)

New Zealand - Occupational Exposure Limits

Local name	Diphenylmethane diisocyanate (MDI, Methylene bisphenyl isocyanate) (Isocyanates)
WES-TWA (OEL TWA)	0.02 mg/m ³
WES-STEL (OEL STEL)	0.07 mg/m ³
Remark (NZ)	dsen (Dermal sensitiser); rsen (Respiratory sensitiser)
Regulatory reference	Workplace Exposure Standards and Biological Exposure Indices, 15th Edition

New Zealand - Biological Exposure Indices

Local name	4,4-Methylene diphenyl diisocyanate (MDI, 4,4-Methylene bisphenyl isocyanate)
BEI	10 µg/g creatinine Parameter: 4,4-Diaminodiphenyl (following hydrolysis) - Medium: Urine - Sampling time: End of shift or end of exposure
Regulatory reference	Workplace Exposure Standards and Biological Exposure Indices, 15th Edition

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 : Ensure good ventilation of the work station. Use general ventilation, local exhaust ventilation, or process enclosure to keep the airborne concentrations below the permissible exposure limits. 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)

- 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. 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.

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 : Brown
- Odour : Slight Musty
- Odour threshold : No additional information available
- pH : No additional information available
- Evaporation rate : No additional information available
- Melting point / Freezing point : Melting point: Not applicable
- Boiling point : 208 °C / 406.4 °F
- Flash point : 198.89 °C / 390 °F
- Auto-ignition temperature : No data available
- Flammability : Not applicable
- Vapour pressure : No additional information available
- Relative density : No additional information available
- Density : Relative density: 1.24 @ 25 °C / 77 °F
- Solubility : No additional information available
- Partition coefficient n-octanol/water (Log Pow) : No data available
- Viscosity, dynamic : 150 – 270 cP
- 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 : No additional information available
- Conditions to avoid : Incompatible materials.
- Incompatible materials : Alcohols. Copper alloys. Strong oxidizers. Acids. Ammonia. Bases. Humid air, water. Amines.
- 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.

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SECTION 11: Toxicological information

11.1. Toxicity

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Inhalation:vapour: Harmful if inhaled.

Polymeric MDI (Diphenylmethane Diisocyanate, isomers and homologues, 4,4'-Methylenediphenyl diisocyanate) (9016-87-9)

LD50 oral rat	49 g/kg
LD50 dermal rabbit	> 9400 mg/kg
LC50 Inhalation - Rat	490 mg/m ³

4,4'-Methylenediphenyl diisocyanate (101-68-8)

LD50 oral rat	9200 mg/kg
LD50 oral	31600 mg/kg
LD50 dermal rabbit	> 9400 mg/kg
LC50 Inhalation - Rat	367.95 mg/m ³
LC50 Inhalation - Rat (Dust/Mist)	1.12 mg/l/4h

Skin corrosion/irritation : Causes skin irritation.
Serious eye damage/irritation : Causes serious eye irritation.

Polymeric MDI (Diphenylmethane Diisocyanate, isomers and homologues, 4,4'-Methylenediphenyl diisocyanate) (9016-87-9)

Serious eye damage/irritation, rabbit	Mildly irritating
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Respiratory or skin sensitisation : May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

Polymeric MDI (Diphenylmethane Diisocyanate, isomers and homologues, 4,4'-Methylenediphenyl diisocyanate) (9016-87-9)

Additional information	Reexposure to extremely low isocyanate concentrations may cause allergic respiratory reactions in individuals already sensitized. Asthma-like symptoms may include coughing, difficult breathing and a feeling of tightness in the chest. Occasionally, breathing difficulties may be life threatening.
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Germ cell mutagenicity : Not classified
Carcinogenicity : Suspected of causing cancer.

Polymeric MDI (Diphenylmethane Diisocyanate, isomers and homologues, 4,4'-Methylenediphenyl diisocyanate) (9016-87-9)

IARC group	3 - Not classifiable
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4,4'-Methylenediphenyl diisocyanate (101-68-8)

IARC group	3 - Not classifiable
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Reproductive toxicity : Not classified
STOT-single exposure : May cause respiratory irritation.

Polymeric MDI (Diphenylmethane Diisocyanate, isomers and homologues, 4,4'-Methylenediphenyl diisocyanate) (9016-87-9)

STOT-single exposure	May cause respiratory irritation.
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4,4'-Methylenediphenyl diisocyanate (101-68-8)

STOT-single exposure	May cause respiratory irritation.
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1,3-Bis(4-((4-isocyanatophenyl)methyl)phenyl)-1,3-diazetidone-2,4-dione (17589-24-1)

STOT-single exposure	May cause respiratory irritation.
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Isocyanic acid, polymethylenepolyphenylene ester, polymer with a-hydro-ω-hydroxypoly(oxy-1,2-ethanediyl) (57636-09-6)

STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: May cause damage to organs (respiratory system) through prolonged or repeated exposure (Inhalation).

Polymeric MDI (Diphenylmethane Diisocyanate, isomers and homologues, 4,4'-Methylenediphenyl diisocyanate) (9016-87-9)

STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
4,4'-Methylenediphenyl diisocyanate (101-68-8)	
NOAEC (inhalation, rat, 90 days)	1.4 – 4.1 mg/m ³
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

1,3-Bis(4-((4-isocyanatophenyl)methyl)phenyl)-1,3-diazetidine-2,4-dione (17589-24-1)

STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Ecotoxicity

Ecology - general	: Hazardous ingredients: Methylenediphenyl diisocyanate (MDI).
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

Polymeric MDI (Diphenylmethane Diisocyanate, isomers and homologues, 4,4'-Methylenediphenyl diisocyanate) (9016-87-9)

Additional information	MDI (methylene diphenyl diisocyanate) is considered a marine pollutant because it can react with water, forming hazardous mixtures of diisocyanates and amines, and ultimately producing inert, solid, insoluble polyurea.
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4,4'-Methylenediphenyl diisocyanate (101-68-8)

LC50 - Fish [1]	> 1000 mg/l
EC50 - Crustacea [1]	> 1000 mg/l
EC50 72h - Algae [1]	> 1640 mg/l
NOEC (chronic)	≥ 10 mg/l
NOEC chronic crustacea	≥ 10 mg/l
BCF - Fish [1]	200 l/kg
Partition coefficient n-octanol/water (Log Pow)	< 3
LD50 dermal rabbit	> 9400 mg/kg
LD50 oral rat	9200 mg/kg

12.2. Persistence and degradability

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Persistence and degradability	Not rapidly degradable
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Polymeric MDI (Diphenylmethane Diisocyanate, isomers and homologues, 4,4'-Methylenediphenyl diisocyanate) (9016-87-9)

Persistence and degradability	0 % biodegradation Not readily biodegradable.
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4,4'-Methylenediphenyl diisocyanate (101-68-8)

Persistence and degradability	Not rapidly degradable
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1,3-Bis(4-((4-isocyanatophenyl)methyl)phenyl)-1,3-diazetidine-2,4-dione (17589-24-1)

Persistence and degradability	Not rapidly degradable
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Isocyanic acid, polymethylenepolyphenylene ester, polymer with a-hydro-ω-hydroxypoly(oxy-1,2-ethanediyl) (57636-09-6)

Persistence and degradability	Not rapidly degradable
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12.3. Bioaccumulative potential

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Bioaccumulative potential	No additional information available
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Polymeric MDI (Diphenylmethane Diisocyanate, isomers and homologues, 4,4'-Methylenediphenyl diisocyanate) (9016-87-9)

BCF - Fish [1]	92 28 days
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Partition coefficient n-octanol/water (Log Pow)	< 3
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4,4'-Methylenediphenyl diisocyanate (101-68-8)

BCF - Fish [1]	200 l/kg
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Partition coefficient n-octanol/water (Log Pow)	< 3
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12.4. Mobility in soil

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Mobility in soil	No additional information available
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Polymeric MDI (Diphenylmethane Diisocyanate, isomers and homologues, 4,4'-Methylenediphenyl diisocyanate) (9016-87-9)

Partition coefficient n-octanol/water (Log Pow)	< 3
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4,4'-Methylenediphenyl diisocyanate (101-68-8)

Partition coefficient n-octanol/water (Log Pow)	< 3
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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 waste information	: Avoid release to the environment.
Additional information	: Do not re-use empty containers.

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SECTION 14: Transport information

In accordance with IMDG / IATA / UN RTDG

IMDG	IATA	UNRTDG
14.1. UN number		
3082	3082	3082
14.2. UN Proper Shipping Name		
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (4,4'-methylenediphenyl diisocyanate)	Environmentally hazardous substance, liquid, n.o.s. (4,4'-methylenediphenyl diisocyanate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (4,4'-methylenediphenyl diisocyanate)
Transport document description		
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (4,4'-methylenediphenyl diisocyanate), 9, III, MARINE POLLUTANT	UN 3082 Environmentally hazardous substance, liquid, n.o.s. (4,4'-methylenediphenyl diisocyanate), 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (4,4'-methylenediphenyl diisocyanate), 9, III
14.3. Transport hazard class(es)		
9	9	9
		
14.4. Packing group		
III	III	III
14.5. Environmental hazards		
Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
Non-bulk packages of this product are not regulated as hazardous materials in package sizes less than the product reportable quantity, unless transported by inland waterway. The marine pollutant mark is not required when transported on inland waterways in sizes of ≤5 L or ≤5 kg. Reportable quantity 8333.3 lbs / 3783.3 kg [806.01 gal / 3051.1 L]. Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.		

14.6. Special precautions for user

Transport by road and rail

Special provisions (UN RTDG) : 274, 331, 335, 375
Limited quantities (UN RTDG) : 5L
Excepted quantities (UN RTDG) : E1
Packing instruction (UN RTDG) : P001, IBC03, LP01
Special packing provisions (UN RTDG) : PP1
Portable tank and bulk container special instructions (UN RTDG) : T4
Portable tank and bulk container special provisions (UN RTDG) : TP1, TP29

Transport by sea

Special provisions (IMDG) : 274, 335, 375, 969
Limited quantities (IMDG) : 5 L
Excepted quantities (IMDG) : E1
Packing instructions (IMDG) : LP01, P001
Special packing provisions (IMDG) : PP1
IBC packing instructions (IMDG) : IBC03
Tank instructions (IMDG) : T4
Tank special provisions (IMDG) : TP1, TP29
EmS-No. (Fire) : F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage) : S-F - SPILLAGE SCHEDULE Foxtrot - WATER-SOLUBLE MARINE POLLUTANTS

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Stowage category (IMDG) : A

Air transport

PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y964
PCA limited quantity max net quantity (IATA) : 30kgG
PCA packing instructions (IATA) : 964
PCA max net quantity (IATA) : 450L
CAO packing instructions (IATA) : 964
CAO max net quantity (IATA) : 450L
ERG code (IATA) : 9L

14.7. Transport in bulk according to IMO instruments

Not applicable

14.8. Hazchem or Emergency Action Code

EAC code : •3Z.
Hazchem Code : * 3Z

SECTION 15: Regulatory information

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

4,4'-Methylenediphenyl diisocyanate (101-68-8)

Hazardous Substances and New Organisms Act

HSNO Approval Number	HSR003218
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15.2. Chemical safety assessment

Regulatory reference : Not listed on the United States TSCA (Toxic Substances Control Act) inventory

Australian Inventory of Industrial Chemicals (AICIS)	All substances are listed
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SECTION 16: Other information

Issue date : 20/05/2025
Revision date : 28/09/2026
Supersedes : 20/05/2025

Indication of changes

Section	Changed item	Comments
1	Emergency number	Modified
1	Supplier information	Added

Data sources : SDS prepared by CHEMTREC.

Full text of H-statements

Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 4
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2

13-302A Iso Component Part A

Safety Data Sheet

according to the Hazardous Substance SDS Notice 2017 (EPA)

Full text of H-statements	
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Resp. Sens. 1	Respiratory sensitisation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H331	Toxic if inhaled
H332	Harmful if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation
H351	Suspected of causing cancer
H373	May cause damage to organs through prolonged or repeated exposure

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.