ISOPON ALLOY WHEEL FILLER

Safety Data Sheet

according to the Work Health and Safety (WHS) Regulations
Issue date: 10/01/2017 Revision date: 28/10/2022 Supersedes: 23/11/2021 Version: 5.0

SECTION 1: Product identifier

1.1. GHS Product identifier

Product form : Mixture
Trade name : ISOPON ALLOY WHEEL FILLER
Product code : MET/S, ALWH/100

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Fillers

1.4. Details of manufacturer or importer

Supplier
U-POL Australia Pty Limited Ltd
55 Leland Street
Penrith NSW 2750
Australia
T 02 4731 2655 - F 02 4731 2611
info@u-pol.com.au - www.u-pol.com

Supplier
U-POL New Zealand Limited Ltd
c/o Lindsay & Associates Unit H, 12 Amera Place, East Tamaki
Manukau City Auckland 2013
New Zealand
T + 612 4731 2655 / 027 630 3691 - F + 612 4731 2611
info@u-pol.co.nz - www.u-pol.com

1.5. Emergency phone number

Emergency number : Australia (CHEMTREC): + (61) - 290372994 ; New Zealand (National Poisons Centre): 0800 764 766

SECTION 2: Hazard identification

2.1. Classification of the hazardous chemical

Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2A	H319
Reproductive toxicity, Category 2	H361
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	H335
Specific target organ toxicity – Repeated exposure, Category 1	H372

2.2. GHS Label elements, including precautionary statements

Hazard pictograms (GHS AU) :

Exclamation mark | Health hazard

Signal word (GHS AU) : Danger
Contains : styrene (10 – 30 %)
Hazard statements (GHS AU) : H315 - Causes skin irritation
H319 - Causes serious eye irritation
H335 - May cause respiratory irritation
H361 - Suspected of damaging the unborn child
H372 - Causes damage to organs (hearing organs) through prolonged or repeated exposure (inhalation)
Precautionary statements (GHS AU) : P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.

P103 - Read carefully and follow all instructions.
P260 - Do not breathe fume, vapours.
P264 - Wash hands thoroughly after handling.
P280 - Wear eye protection, protective clothing, protective gloves.
P308+P313 - IF exposed or concerned: Get medical advice.
P337+P313 - If eye irritation persists: Get medical advice.
P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition and information on ingredients

Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
styrene	100-42-5	10 – 30	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:vapour), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Repr. 2, H361 STOT SE 3, H335 STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Chronic 3, H412
Other substances (not contributing to the classification of this product)	-	79.39 – 79.79	-

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-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. 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 : Call a poison center or a doctor if you feel unwell.

4.2. Symptoms caused by exposure

Symptoms/effects after skin contact : Irritation.
Symptoms/effects after eye contact : Eye irritation.

4.3. Medical attention and special treatment

Other medical advice or treatment : Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.

5.2. Specific hazards arising from the chemical

General measures : Remove ignition sources. No open flames. No smoking.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

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

General measures : Remove ignition sources. No open flames. No smoking.

6.1.1. For non-emergency personnel

Protective equipment : Safety glasses. Protective clothing. Gloves.

Emergency procedures : Ventilate spillage area. Do not breathe vapours, fume. Avoid contact with skin and eyes.

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".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and materials for containment and cleaning up

For containment : Contain released product, collect/pump into suitable containers. Collect spillage.

Methods for cleaning up : Mechanically recover the product. 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. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Do not breathe vapours, fume. Avoid contact with skin and eyes.

Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool.

Storage temperature : < 25 °C

Storage area : Store in a well-ventilated place.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters - exposure standards

styrene (100-42-5)	
Australia - Occupational Exposure Limits	
Local name	Styrene, monomer (Phenylethylene; Vinyl benzene)
OES TWA [1]	213 mg/m³
OES TWA [2]	50 ppm
OES STEL	426 mg/m³
OES STEL [ppm]	100 ppm
Regulatory reference	Workplace exposure standards for airborne contaminants (2019)

styrene (100-42-5)	
New Zealand - Occupational Exposure Limits	
Local name	Phenylethylene (Styrene monomer, Vinyl benzene)
WES-TWA (OEL TWA) [1]	85 mg/m³
WES-TWA (OEL TWA) [2]	20 ppm
WES-STEL (OEL STEL)	170 mg/m³
WES-STEL (OEL STEL) [ppm]	40 ppm
Remark (NZ)	6.7B (Suspected carcinogen)
Regulatory reference	Workplace Exposure Standards and Biological Exposure Indices, 12th Edition
New Zealand - Biological Exposure Indices	
Local name	Styrene
BEI	400 mg/g creatinine Parameter: Mandelic acid plus phenylglyoxylic acid - Medium: Urine - Sampling time: End of shift 40 µg/l Parameter: Styrene - Medium: Urine - Sampling time: End of shift
Regulatory reference	Workplace Exposure Standards and Biological Exposure Indices, 12th Edition

8.2. Biological Monitoring

No additional information available

8.3. Engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

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

Personal protective equipment : Gloves. Protective clothing. Safety glasses.
Materials for protective clothing : Impermeable clothing

Condition	Material	Standard

Hand protection : Protective gloves

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Protective gloves	Viton	5 (> 240 minutes), 6 (> 480 minutes)	0.7		
Protective gloves	Nitrile rubber (NBR)	3 (> 60 minutes)	0.2		

Eye protection : Safety glasses

Type	Field of application	Characteristics	Standard
Safety glasses			

Skin and body protection : Wear suitable protective clothing

Type	Standard
Chemically resistant protective gloves, Disposable gowns, Goggles, Safety glasses, Shoe Cover	

Respiratory protection : [In case of inadequate ventilation] wear respiratory protection.

Device	Filter type	Condition	Standard
Gas filters	Type A - High-boiling (>65 °C) organic compounds	Vapour protection	

Personal protective equipment symbol(s)

Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

Physical state	:	Solid
Appearance	:	Paste.
Colour	:	Grey Metallic
Odour	:	aromatic
Odour threshold	:	No data available
pH	:	No data available
Relative evaporation rate (butylacetate=1)	:	No data available
Melting point / Freezing point	:	Freezing point: Not applicable
Boiling point	:	No data available
Flash point	:	32 °C (does not sustain combustion)
Auto-ignition temperature	:	Not applicable
Flammability	:	No data available
Vapour pressure	:	No data available
Relative density	:	No data available
Density	:	Density: 1.525 (1.5 – 1.55) g/cm³
Solubility	:	insoluble in water. soluble in most organic solvents.
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Viscosity, kinematic	:	> 20.5 mm²/s
Explosive properties	:	No data available
Explosive limits	:	Not applicable
Minimum ignition energy	:	No data available
VOC content	:	228 g/l
VOC content - Regulatory	:	No data available
Percent Solids	:	85.05 wt%

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.
Possibility of hazardous reactions	:	No dangerous reactions known under normal conditions of use.
Conditions to avoid	:	None under recommended storage and handling conditions (see section 7).
Incompatible materials	:	No additional information available
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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

styrene (100-42-5)	
LD50 oral rat	5000 mg/kg bodyweight (Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	11.8 mg/l (4 h, Rat, Inconclusive, insufficient data, Inhalation (vapours))
ATE AU (gases)	4500 ppmv/4h
ATE AU (vapours)	11 mg/l/4h

styrene (100-42-5)	
ATE AU (dust,mist)	1.5 mg/l/4h

Skin corrosion/irritation : Causes skin irritation.
Serious eye damage/irritation : Causes serious eye irritation.
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Suspected of damaging the unborn child.
STOT-single exposure : May cause respiratory irritation.

styrene (100-42-5)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure : Causes damage to organs (hearing organs) through prolonged or repeated exposure (inhalation).

styrene (100-42-5)	
LOAEL (oral, rat, 90 days)	2000 mg/kg bodyweight Animal: rat
LOAEC (inhalation, rat, vapour, 90 days)	0.21 mg/l air Animal: rat, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat
NOAEL (subchronic, oral, animal/male, 90 days)	10 mg/kg bodyweight Animal: mouse, Animal sex: male
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified.

ISOPON ALLOY WHEEL FILLER	
Viscosity, kinematic	> 20.5 mm²/s

SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

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

styrene (100-42-5)	
LC50 - Fish [1]	10 mg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	4.7 mg/l Test organisms (species): Daphnia magna
ErC50 algae	4.9 mg/l (EPA OTS 797.1050, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Growth rate)
LOEC (chronic)	2.06 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	1.01 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
BCF - Fish [1]	74 (Calculated value)
Partition coefficient n-octanol/water (Log Pow)	2.96 (Practical experience/observation, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.55 (log Koc, Estimated value)

12.2. Persistence and degradability

styrene (100-42-5)	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Chemical oxygen demand (COD)	2.8 g O_2/g substance
ThOD	3.07 g O_2/g substance
BOD (% of ThOD)	0.42 (Literature study)

12.3. Bioaccumulative potential

styrene (100-42-5)	
BCF - Fish [1]	74 (Calculated value)
Partition coefficient n-octanol/water (Log Pow)	2.96 (Practical experience/observation, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.55 (log Koc, Estimated value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

12.4. Mobility in soil

styrene (100-42-5)	
Surface tension	No data available in the literature
Partition coefficient n-octanol/water (Log Pow)	2.96 (Practical experience/observation, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	See section 12.1 on ecotoxicology2.55 (log Koc, Estimated value)
Ecology - soil	Low potential for adsorption in soil.

12.5. Other adverse effects

Ozone : Not classified
Other adverse effects : No additional information available

ISOPON ALLOY WHEEL FILLER	
Fluorinated greenhouse gases	False

styrene (100-42-5)	
Fluorinated greenhouse gases	False

SECTION 13: Disposal considerations

Regional legislation (waste) : Disposal must be done according to official regulations.
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

14.1. UN number

UN-No. (ADG) : Not regulated
UN-No. (IMDG) : Not regulated
UN-No. (IATA) : Not regulated

14.2. UN Proper Shipping Name

Proper Shipping Name (ADG) : Not regulated

Proper Shipping Name (IMDG) : Not regulated
Proper Shipping Name (IATA) : Not regulated

14.3. Transport hazard class(es)

ADG
Transport hazard class(es) (ADG) : Not regulated

IMDG
Transport hazard class(es) (IMDG) : Not regulated

IATA
Transport hazard class(es) (IATA) : Not regulated

14.4. Packing group

Packing group (ADG) : Not regulated
Packing group (IMDG) : Not regulated
Packing group (IATA) : Not regulated

14.5. Environmental hazards

Marine pollutant : No
Dangerous for the environment : No
Other information : No supplementary information available

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

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)
Covered by The Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) : This chemical is covered by the Standard for the Uniform Scheduling of Medicines and Poisons

Hazardous Substances and New Organisms Act
HSNO Approval Number : HSR002670
Group standard : Surface coatings and colourants

styrene (100-42-5)	
Hazardous Substances and New Organisms Act	
HSNO Approval Number	HSR001221

magnesium hydroxide (1309-42-8)	
Hazardous Substances and New Organisms Act	
HSNO Approval Number	HSR003517

isopentane; 2-methylbutane (78-78-4)	
Hazardous Substances and New Organisms Act	
HSNO Approval Number	HSR001177

2-phenoxyethanol (122-99-6)	
Hazardous Substances and New Organisms Act	
HSNO Approval Number	HSR003045

15.2. International agreements

No additional information available

SECTION 16: Other information

Revision date : 28/10/2022

Classification	
Skin Irrit. 2	H315
Eye Irrit. 2A	H319
Repr. 2	H361
STOT SE 3	H335
STOT RE 1	H372

Full text of H-statements	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Flam. Liq. 3	Flammable liquids, Category 3
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 1	Specific target organ toxicity – Repeated exposure, Category 1
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H226	Flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled

Full text of H-statements	
H335	May cause respiratory irritation
H361	Suspected of damaging fertility or the unborn child
H372	Causes damage to organs through prolonged or repeated exposure
H412	Harmful to aquatic life with long lasting effects

For professional use only.

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