

SECTION 1: Product identifier
1.1. Product identifier

Product form : Mixture
 Product name : Multi-Thinner

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Industrial solvent,

1.4. Supplier's details
Manufacturer

Sydney Solvents Pty Ltd
 3-10 Production Place
 Jamisontown, NSW 2750
 T 02 4722 5060 (office hours) - F 02 4722 5070
sales@sydney-solvents.com.au - www.sydney-solvents.com.au

1.5. Emergency phone number

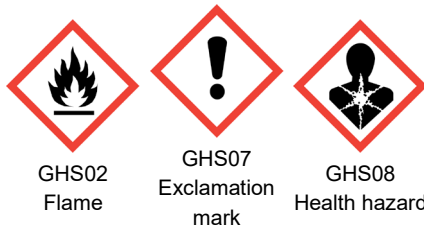
Emergency number : Poisons Information Centre: 13 1126 from anywhere in Australia, (0800 764 766 in New Zealand)
 Emergency Chemcall : 1800 127 406

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

Flammable liquids, Category 2	H225
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2A	H319
Reproductive toxicity, Category 1A	H360
Specific target organ toxicity — Single exposure, Category 3, Narcosis	H336
Specific target organ toxicity — Repeated exposure, Category 2	H373
Aspiration hazard, Category 1	H304

2.2. Label elements

Hazard pictograms (GHS AU) :



Signal word (GHS AU) : Danger
 Contains : Toluene (30 – 60 %); Acetone (30 – 60 %)
 Hazard statements (GHS AU) : H225 - Highly flammable liquid and vapour
 H304 - May be fatal if swallowed and enters airways
 H315 - Causes skin irritation
 H319 - Causes serious eye irritation
 H336 - May cause drowsiness or dizziness
 H360 - May damage the unborn child.
 H373 - May cause damage to organs through prolonged or repeated exposure

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Precautionary statements (GHS AU)	: P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P240 - Ground and bond container and receiving equipment. P241 - Use explosion-proof equipment. P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P264 - Wash hands, forearms and face thoroughly after handling. P271 - Use only outdoors or in a well-ventilated area. P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P281 - Use personal protective equipment as required. P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor. P331 - Do NOT induce vomiting. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water . P332+P313 - If skin irritation occurs: Get medical advice/attention. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312 - Call a POISON CENTER or doctor if you feel unwell. 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. P403+P235 - Store in a well-ventilated place. Keep cool. 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.
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2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

Name	CAS-No.	%
Toluene	108-88-3	30 – 60
Acetone	67-64-1	30 – 60

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
First-aid measures after skin contact	: If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash clothing before re-using. If skin irritation occurs: Get medical advice/attention.
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	: IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

4.2. Symptoms caused by exposure

Symptoms/effects after inhalation	: May cause irritation to the respiratory tract. May cause drowsiness or dizziness.
Symptoms/effects after skin contact	: Causes skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
Symptoms/effects after eye contact	: Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

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Symptoms/effects after ingestion : May be fatal if swallowed and enters airways. May result in aspiration into the lungs, causing chemical pneumonia. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

4.3. Indication of any immediate medical attention and special treatment needed

Other medical advice or treatment : Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Alcohol resistant foam. Water spray, fog or mist.
Unsuitable extinguishing media : Do not use water jet.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Highly flammable liquid and vapour. Products of combustion may include, and are not limited to: oxides of carbon. Organic compounds.
Explosion hazard : May form flammable/explosive vapour-air mixture. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours.
General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Use special care to avoid static electric charges. Remove all sources of ignition.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Move containers away from the fire area if this can be done without risk. Cool closed containers exposed to fire with water spray.
Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).
Hazchem Code : * 3YE

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Use special care to avoid static electric charges. Remove all sources of ignition.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

For containment : Stop leak if safe to do so. Remove all sources of ignition. Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not flush into surface water or sewer system. Wear recommended personal protective equipment.
Methods for cleaning up : Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.
- Precautions for safe handling : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground and bond container and receiving equipment. Take precautionary measures against static discharge. Use only explosion-proof equipment. Use only non-sparking tools. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. Do not swallow. When using do not eat, drink or smoke. Handle and open container with care. Use only outdoors or in a well-ventilated area.
- Hygiene measures : Take off immediately all contaminated clothing and wash it before reuse. Contaminated work clothing should not be allowed out of the workplace. Wash hands, forearms and face thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Proper grounding procedures to avoid static electricity should be followed.
- Storage conditions : Keep out of the reach of children. Store locked up. Keep in fireproof place. Keep away from heat and direct sunlight. Keep away from clothing and other combustible materials. Keep away from food, drink and animal feedingstuffs. Store tightly closed in a dry, cool and well-ventilated place.
- Incompatible materials : Natural rubber. Butyl rubber. Ethylene-Propylene rubber (EPDM). Polystyrene.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters - exposure standards

Toluene (108-88-3)	
Australia - Occupational Exposure Limits	
OES TWA [1]	191 mg/m ³
OES TWA [2]	50 ppm
OES STEL	574 mg/m ³
OES STEL [ppm]	150 ppm
USA - ACGIH - Occupational Exposure Limits	
Local name	Toluene
ACGIH OEL TWA [ppm]	20 ppm
Remark (ACGIH)	TLV® Basis: Visual impair; female repro; pregnancy loss. Notations: A4 (Not classifiable as a Human Carcinogen); BEI
ACGIH chemical category	Not Classifiable as a Human Carcinogen
Regulatory reference	ACGIH 2020
USA - ACGIH - Biological Exposure Indices	
BEI	0.02 mg/l Parameter: Toluene - Medium: blood - Sampling time: prior to last shift of workweek 0.03 mg/l Parameter: Toluene - Medium: urine - Sampling time: end of shift 0.3 mg/g creatinine Parameter: o-Cresol with hydrolysis - Medium: urine - Sampling time: end of shift (background)
Acetone (67-64-1)	
Australia - Occupational Exposure Limits	
OES TWA [1]	1185 mg/m ³
OES TWA [2]	500 ppm

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Acetone (67-64-1)	
OES STEL	2375 mg/m ³
OES STEL [ppm]	1000 ppm
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA [ppm]	250 ppm
ACGIH OEL STEL [ppm]	500 ppm
ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA - ACGIH - Biological Exposure Indices	
BEI	25 mg/l Parameter: Acetone - Medium: urine - Sampling time: end of shift (nonspecific)

8.2. Monitoring

No additional information available

8.3. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Provide readily accessible eye wash stations and safety showers.

8.4. Personal protective equipment

Hand protection : Wear suitable gloves resistant to chemical penetration
Eye protection : Wear eye/face protection
Skin and body protection : Wear suitable protective clothing
Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Environmental exposure controls : Avoid release to the environment.
Other information : Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

Physical state : Liquid
Appearance : Clear colourless liquid.
Colour : Clear Colourless
Odour : No data available
Odour threshold : No data available
pH : No data available
Relative evaporation rate (butylacetate=1) : No data available
Melting point / Freezing point : No data available
Boiling point : 56 – 110 °C
Flash point : -2 °C
Auto-ignition temperature : No data available
Flammability (solid, gas) : Highly flammable liquid and vapour.
Vapour pressure : No data available
Relative density : No data available
Density : Density: 0.82 g/ml (@ 15 °C)
Solubility : Miscible with water.
Partition coefficient n-octanol/water : No data available
Explosive properties : No data available
Explosive limits : No data available
Minimum ignition energy : No data available
VOC content : 100 %
Fat solubility : No data available

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SECTION 10: Stability and reactivity

Reactivity	: No dangerous reactions known under normal conditions of use.
Chemical stability	: Stable under normal conditions. May form flammable/explosive vapour-air mixture.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: Heat. Incompatible materials. Sources of ignition. Direct sunlight.
Incompatible materials	: Oxidizing agents. Mineral acids. Halogenated compounds. Peroxides. Natural rubber. Butyl rubber. Ethylene-Propylene rubber (EPDM). Polystyrene.
Hazardous decomposition products	: May include, and are not limited to: oxides of carbon. Organic compounds. May release flammable gases.

SECTION 11: Toxicological information

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

Toluene (108-88-3)	
LD50 oral rat	2600 mg/kg
LD50 oral	5000 mg/kg
LD50 dermal rabbit	12000 mg/kg
LC50 inhalation rat	12.5 mg/l/4h

Acetone (67-64-1)	
LD50 oral rat	5800 mg/kg bodyweight Animal: rat, Animal sex: female
LD50 dermal rabbit	> 15700 mg/kg
LC50 inhalation rat	76 mg/l air Animal: rat, Animal sex: female, 95% CL: 65,2 - 88,4

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	: May damage the unborn child.
STOT-single exposure	: May cause drowsiness or dizziness.

Toluene (108-88-3)	
STOT-single exposure	May cause drowsiness or dizziness.

Acetone (67-64-1)	
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure	: May cause damage to organs through prolonged or repeated exposure.
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Toluene (108-88-3)	
LOAEL (oral, rat, 90 days)	1250 mg/kg bodyweight Animal: rat, Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (oral, rat, 90 days)	625 mg/kg bodyweight Animal: rat, Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEC (inhalation, rat, vapour, 90 days)	2.355 mg/l air Animal: rat, Guideline: EU Method B.29 (Sub-Chronic Inhalation Toxicity:90-Day Study)
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard	: May be fatal if swallowed and enters airways.
Other information	: Likely routes of exposure: ingestion, inhalation, skin and eye

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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	: May cause long-term adverse effects in the aquatic environment.
Hazardous to the aquatic environment, long-term (chronic)	: Not classified.
Other information	: No other effects known.

Toluene (108-88-3)	
LC50 - Fish [1]	5.5 mg/l Test organisms (species): Oncorhynchus kisutch
LC50 - Fish [2]	12.6 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Crustacea [1]	5.46 – 9.83 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
EC50 - Crustacea [2]	11.5 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LOEC (chronic)	2.76 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'
NOEC (chronic)	0.74 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'
NOEC chronic fish	1.39 mg/l Test organisms (species): Oncorhynchus kisutch Duration: '40 d'
NOEC chronic crustacea	0.74 mg/l
Partition coefficient n-octanol/water	2.7

Acetone (67-64-1)	
LC50 - Fish [1]	4.74 – 6.33 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
LC50 - Fish [2]	6210 – 8120 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Crustacea [1]	10294 – 17704 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
EC50 - Crustacea [2]	12600 – 12700 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LOEC (chronic)	> 79 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	≥ 79 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
BCF - Fish [1]	0.69
Partition coefficient n-octanol/water	-0.24

12.2. Persistence and degradability

Multi-Thinner	
Persistence and degradability	Readily biodegradable. Oxidises rapidly by photo-chemical reactions in air. Does not bioaccumulate significantly.

Acetone (67-64-1)	
Not rapidly degradable	

12.3. Bioaccumulative potential

Multi-Thinner	
Bioaccumulative potential	Not established.

Toluene (108-88-3)	
Partition coefficient n-octanol/water	2.7

Acetone (67-64-1)	
BCF - Fish [1]	0.69

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Acetone (67-64-1)	
Partition coefficient n-octanol/water	-0.24

12.4. Mobility in soil

Multi-Thinner	
Ecology - soil	Very mobile.

Toluene (108-88-3)	
Partition coefficient n-octanol/water	2.7

Acetone (67-64-1)	
Partition coefficient n-octanol/water	-0.24

12.5. Other adverse effects

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

Multi-Thinner	
Fluorinated greenhouse gases	False

Toluene (108-88-3)	
Fluorinated greenhouse gases	False

Acetone (67-64-1)	
Fluorinated greenhouse gases	False

SECTION 13: Disposal considerations

Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. The generation of waste should be avoided or minimized wherever possible.
Additional information : Handle empty containers with care because residual vapours are flammable.

SECTION 14: Transport information

14.1. UN number

UN-No. (ADG) : 1993
UN-No. (IMDG) : 1993
UN-No. (IATA) : 1993

14.2. Proper Shipping Name - Addition

Proper Shipping Name (ADG) : FLAMMABLE LIQUID, N.O.S. (Toluene, Acetone)
Proper Shipping Name (IMDG) : FLAMMABLE LIQUID, N.O.S. (Toluene, Acetone)
Proper Shipping Name (IATA) : Flammable liquid, n.o.s. (Toluene, Acetone)

14.3. Transport hazard class(es)

ADG
Transport hazard class(es) (ADG) : 3
Danger labels (ADG) : 3
:



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IMDG

Transport hazard class(es) (IMDG) : 3
Danger labels (IMDG) : 3
:



IATA

Transport hazard class(es) (IATA) : 3
Danger labels (IATA) : 3
:



14.4. Packing group

Packing group (ADG) : II - substances presenting medium danger
Packing group (IMDG) : II
Packing group (IATA) : II

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.
Special transport precautions : Do not handle until all safety precautions have been read and understood.

Transport by road and rail

UN-No. (ADG) : 1993
Special provision (ADG) : 274
Limited quantities (ADG) : 1I
Packing instructions (ADG) : P001, IBC02
Portable tank and bulk container instructions (ADG) : T7
Portable tank and bulk container special provisions (ADG) : TP1, TP8, TP28

Transport by sea

UN-No. (IMDG) : 1993

Air transport

UN-No. (IATA) : 1993

14.8. Hazchem or Emergency Action Code

Hazchem Code : * 3YE

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

No additional information available

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15.2. International agreements

No additional information available

SECTION 16: Other information

Revision date : 29/10/2021
Expiry date : 29/10/2026
Other information : None.
Prepared by : Nexreg Compliance Inc.
www.Nexreg.com



Classification	
Flam. Liq. 2	H225
Skin Irrit. 2	H315
Eye Irrit. 2A	H319
Repr. 1A	H360
STOT SE 3	H336
STOT RE 2	H373
Asp. Tox. 1	H304

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