

Safety Data Sheet

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According to The Model Work Health and Safety Regulations, and the
Globally Harmonized System of Classification and Labelling of
Chemicals 7th Revised Edition

Printing Date: 13 January 2021

Revision: 13 December 2022

1. Identification

Product identifier

Trade name: Rislone® Fuel, Exhaust & Emissions System Cleaner
Product code: 44720

Other means of identification

Extended Description: Flammable liquid, n.o.s. (Xylene, 1,2,4 Trimethylbenzene)

UN-No: UN1993

Synonyms: None

Recommended use and restriction on use

Recommended use: Fuel additive

Restrictions on use: No further relevant information available.

Details of the supplier of the Safety Data Sheet

Manufacturer/Supplier:

Rislone
P.O. Box 187
Holly, MI 48442 USA
Phone: (810) 603-1321



Distributor:

Smits Group Pty Ltd.
59 Greenmount Drive
East Tamaki, Auckland, New Zealand
NZ Telephone 09 274 6871
AUS Telephone 1800 883 888

Emergency telephone number:

ChemTel Inc.
(800) 255-3924 (North America)
+1 (813) 248-0585 (International)

New Zealand 0800 764 766 (National Poison Control Centre)
Australia 131126 (NSW Poison Control Centre)

2. Hazards identification

GHS Classification

Flammable liquids	Category 3 (H226)
Aspiration hazard	Category 1 (H304)
Germ cell mutagenicity	Category 1B (H340)
Carcinogenicity	Category 1B (H350)
Specific target organ toxicity (single exposure)	Category 2 (H371)
Specific target organ toxicity (repeated exposure)	Category 2 (H373)

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Classification of the substance or mixture

The product is classified and labeled according to the Globally Harmonized System (GHS).

GHS Label elements

Flame

Health hazard

Hazard pictograms:



Signal word: Danger

Hazard Statements:

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H340 May cause genetic defects.

H350 May cause cancer.

H371 May cause damage to organs.

H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements-Prevention

Obtain special instructions before use.

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

Use personal protective equipment as required.

Do not breathe dust/fume/gas/mist/vapours/spray.

Wash face, hands and any exposed skin thoroughly after handling.

Do not eat, drink or smoke when using this product.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Keep container tightly closed.

Ground/bond container and receiving equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Use explosion-proof electrical/ ventilating/ lighting/ equipment.

Precautionary Statements-Response

IF exposed or concerned: Get medical advice/attention.

IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Do NOT induce vomiting.

In case of fire: Use CO₂, dry chemical, or foam for extinction.

Precautionary Statements-Storage

Store locked up.

Store in a well-ventilated place. Keep cool.

Precautionary statements-Disposal

Dispose of contents/container to an approved waste disposal plant.

Hazard description:

Other hazards Causes mild skin irritation. Toxic to aquatic life with long lasting effects. Toxic to aquatic life.

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3. Composition and information on ingredients

Chemical characterization: Mixtures

Components:		
CAS No.	Chemical name	Weight-%
64742-47-8	Paraffinic, naphthenic solvent	60-80%
-	Third Party Formulation (TP # 1594907)	0-10%
-	Third Party Formulation (TP # 1594907)	0-10%
-	Third Party Formulation (TP # 1594907)	0-10%
-	Third Party Formulation (TP # 1608183)	0-10%
-	Third Party Formulation (TP # 1608183)	0-10%
-	Third Party Formulation (TP # 1608183)	0-10%
-	Third Party Formulation (TP # 1594907)	0-10%
-	Third Party Formulation (TP # 1594907)	0-10%
-	Third Party Formulation (TP # 1594907)	0-10%
-	3 rd Party %: 0.016465 (Third Party Formulation (TP # 1594907)). 3 rd Party %: 0.00195 (Third Party Formulation (TP # 1608183))	0-10%
-	Third Party Formulation (TP # 1608183)	0-10%
-	Third Party Formulation (TP # 1608183)	0-10%
Proprietary	Non-hazardous ingredients	Balance

4. First-aid measures

Description of first aid measures

General advice:

Show this safety data sheet to the doctor in attendance.

IF exposed or concerned: Get medical advice/attention.

Immediate medical attention is required.

Emergency telephone number

Poisons Information Center, Australia: 13 11 26

Poisons Information Center, New Zealand: 0800 764 766

After inhalation:

Remove to fresh air.

Aspiration into lungs can produce severe lung damage.

If breathing has stopped, give artificial respiration.

Get medical attention immediately.

Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

If breathing is difficult, (trained personnel should) give oxygen.

Get immediate medical advice/attention.

Delayed pulmonary edema may occur.

After skin contact:

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.

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After eye contact:

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing.

Do not rub the affected area.

If symptoms persist, call a physician.

After swallowing:

Do NOT induce vomiting.

Clean mouth with water and drink afterwards plenty of water.

Never give anything by mouth to an unconscious person.

Aspiration hazard if swallowed- can enter lungs and cause damage.

If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Get immediate medical advice/attention.

Self-protection of the first aider

Remove all sources of ignition.

Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.

Use personal protective equipment as required.

See section 8 for more information.

Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

Most important symptoms and effects, both acute and delayed:

Difficulty in breathing.

Coughing and/or wheezing.

Dizziness.

Indication of any immediate medical attention and special treatment needed

Note to physicians Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing agents:

Dry chemical

Carbon dioxide (CO₂)

Water spray

Alcohol resistant foam

For safety reasons unsuitable extinguishing agents: No information available.

Special hazards arising from the substance or mixture

Risk of ignition.

Keep product and empty container away from heat and sources of ignition.

In the event of a fire, cool tanks with water spray.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Hazardous combustion products Carbon oxides.

Advice for firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

Hazchem code •3Y

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6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions:

Evacuate personnel to safe areas.
Use personal protective equipment as required.
See section 8 for more information.
Avoid contact with skin, eyes or clothing.
Ensure adequate ventilation. Keep people away from and upwind of spill/leak.
ELIMINATE all ignition sources (no smoking, flares, sparks or flares in immediate area).
Pay attention to flashback.
Take precautionary measures against static discharges.
All equipment used when handling the product must be grounded.
Do not touch or walk through spilled material.

Other information: Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

For emergency responders: Use personal protection recommended in Section 8.

Environmental precautions:

Refer to protective measures listed in Sections 7 and 8.
Prevent further leakage or spillage if safe to do so.
Prevent product from entering drains.

Methods and material for containment and cleaning up

Methods for containment:

Stop leak if you can do it without risk.
Do not touch or walk through spilled material
A vapor suppressing foam may be used to reduce vapors.
Dike far ahead of spill to collect runoff water.
Keep out of drains, sewers, ditches and waterways.
Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Methods for cleaning up:

Take precautionary measures against static discharges.
Dam up. Soap up with inert absorbent material.
Pick up and transfer to properly labeled containers.

Precautions to prevent secondary hazards:

Clean contaminated objects and areas thoroughly observing environmental regulations.

Reference to other sections

See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7. Handling and storage

Handling:

Precautions for safe handling

Advice on safe handling:

Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat, hot surface, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust

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ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes.

General hygiene considerations:

Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

Information about fire - and explosion protection: No special measures required.

Conditions for safe storage, including any incompatibilities

Storage conditions:

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Store locked up. Keep out of the reach of children. Store away from other materials.

Incompatible materials: None known based on information supplied.

8. Exposure controls/personal protection

Control parameters

Chemical name	Australia	ACGIH TLV
Paraffinic, naphthenic solvent 64742-47-8		TWA: 5 mg/m ³ STEL: 10 mg/m ³ (as oil mist)
Third Party Formulation (TP # 1594907)	20 ppm 96.9 mg/m ³	TWA: 20 ppm
Third Party Formulation (TP # 1594907)	350 mg/m ³ 80 ppm	STEL= 150 ppm TWA: 100 ppm
Third Party Formulation (TP # 1594907)	0.2 mg/m ³ TWA	TWA: 0.2 mg/m ³ Mn S*
3 rd Party %: 0.016465 (Third Party Formulation (TP # 1594907)), 3 rd Party %: 0.00195 (Third Party Formulation TP # 1608183))	10 ppm TWA 52 mg/m ³ TWA 15 ppm STEL 79 mg/m ³ STEL	TWA: 10 ppm S*
Third Party Formulation (TP # 1608183)	1 ppm TWA 3.2 mg/m ³ TWA	STEL: 2.5 ppm TWA: 0.5 ppm S*
Third Party Formulation (TP # 1608183)	20 ppm TWA 48 mg/m ³ TWA	TWA: 2ppm
Third Party Formulation (TP # 1594907)		200 mg/g creatinine - urine (Butoxyacetic acid with hydrolysis) - end of shift
Third Party Formulation (TP # 1594907)		1.5 g/g creatinine - urine (Methylhippuric acids) - end of shift

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3 rd Party %: 0.016465 (Third Party Formulation (TP # 1594907)), 3 rd Party %: 0.00195 (Third Party Formulation (TP # 1608183))		(1-Naphthol with hydrolysis plus 2-Naphthol with hydrolysis) - end of shift
Third Party Formulation (TP # 1608183)		25 µg/g creatinine - urine (S-Phenylmercapturic acid) - end of shift 500 µg/g creatinine - urine (t,t-Muconic acid) - end of shift

Exposure controls

Engineering controls: Use only in a well-ventilated area.

Personal protective equipment:

Skin and body protection:

Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots.

Respiratory protection:

No protective equipment is needed under normal use conditions.

If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Protection of hands:



Protective gloves

Wear suitable gloves. Impervious gloves.

Eye protection:



Safety glasses

Tight sealing safety goggles.

Limitation and supervision of exposure into the environment: No information available.

9. Physical and chemical properties

Information on basic physical and chemical properties

General information

Appearance	
Form	Liquid
Colour	Brown
Odour	Petroleum
Odour threshold	Not determined.
Change in condition	
Melting point/Melting range	Not determined.
Boiling point/Boiling range	Not determined.
Flammability (solid, gaseous)	Not determined.
Explosive properties	Not determined.
Explosion limits	
Lower	Not determined.
Upper	Not determined.

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Oxidising properties	Not determined.
Flash point	55°C (131°F)
Auto/Self-ignition temperature	Not determined.
Decomposition temperature	Not determined.
pH-value	Not determined.
Viscosity	
Dynamic	Not determined.
Kinematic	Not determined.
Solubility in/Miscibility with water	Immiscible in water
Partition coefficient (n-octanol/water) at 20°C	Not determined.
Vapour pressure	Not determined.
Density	
Relative density	0.81
Vapour density	Not determined.
Evaporation rate	Not determined.
Liquid density	Not determined.
Bulk density	Not determined.
Softening point	Not determined.
Molecular weight	No information available.
VOC content (%)	Not determined.
Particle characteristics	Not determined.
Other information	No further relevant information available.

10. Stability and Reactivity

Reactivity No further relevant information available.

Chemical stability Stable under normal conditions.

Sensitivity to mechanical impact None

Sensitivity to static discharge Yes

Possibility of hazardous reactions: None under normal processing

Hazardous polymerization: Hazardous polymerization does not occur.

Conditions to avoid: Heat, flames and sparks

Incompatible materials: None known based on information supplied.

Hazardous decomposition products: Carbon oxides

11. Toxicological information

Information on toxicological effects

Acute toxicity

Information on likely routes of exposure

Inhalation:

Specific test data for the substance or mixture is not available. Aspiration into lungs can produce severe lung damage. May cause pulmonary edema. Pulmonary edema can be fatal. May cause irritation of respiratory tract.

Eye contact:

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Specific test data for the substance or mixture is not available. May cause irritation.

Skin contact:

Repeated exposure may cause skin dryness or cracking. Causes mild skin irritation.

Ingestion:

Specific test data for the substance or mixture is not available. Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways.

Symptoms:

Difficulty in breathing. Coughing and/or wheezing. Dizziness.

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	6,968.60 mg/kg
ATEmix (dermal)	16,244.30 mg/kg
ATEmix (inhalation-gas)	66,453.90 ppm
ATEmix (inhalation-vapor)	162.40 mg/L
ATEmix (inhalation-dust/mist)	22.15 mg/L

10.5218% of the mixture consists of ingredient(s) of unknown acute oral toxicity

10.5218% of the mixture consists of ingredient(s) of unknown acute dermal toxicity

10.5218% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

10.5218% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

10.5218% of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Component information

Chemical	Oral LD50	Dermal LD50	Inhalation LC50
Paraffinic, naphthenic solvent	>5000 mg/kg (Rat)	>2000 mg/kg (Rabbit)	>5.2 mg/L (Rat) 4 h
Third Party Formulation (TP # 1594907)	=470 mg/kg (Rat)	=435 mg/kg (Rabbit)	=450 ppm (Rat) 4 h =486 ppm (Rat) 4 h
Third Party Formulation (TP # 1594907)	=3500 mg/kg (Rat)	>4350 mg/kg (Rabbit)	=29.08 mg/L (Rat) 4 h
Third Party Formulation (TP # 1608183)	=8400 mg/kg (Rat)	>2000 mg/kg (Rabbit)	=3400 ppm (Rat) 4 h
Third Party Formulation (TP # 1608183)	=3280 mg/kg (Rat)	>3160 mg/kg (Rabbit)	=18 g/m ³ (Rat) 4 h
Third Party Formulation (TP # 1594907)	>6000 mg/kg (Rat)	>5000 mg/kg (Rabbit)	>8500 mg/m ³ (Rat) 4 h
Third Party Formulation (TP # 1594907)	>5000 mg/kg (Rat)	>2000 mg/kg (Rabbit)	>590 mg/m ³ (Rat) 4 h
Third Party Formulation (TP # 1594907)	=58 mg/kg (Rat)	=140 mg/kg (Rabbit)	=0.076 mg/L (Rat) 4 h
3 rd Party %: 0.016465 (Third Party Formulation (TP # 1594907)), 3 rd Party %: 0.00195 (Third Party Formulation (TP # 1608183))	=1110 mg/kg (Rat)	=1120 mg/kg (Rabbit)	>0.4 mg/L (Rat) 4 h
Third Party Formulation (TP # 1608183)	=810 mg/kg (Rat)	>8200 mg/kg (Rabbit)	=44.66 mg/L (Rat) 4 h
Third Party Formulation (TP # 1608183)	=520 mg/kg (Rat)	=1244 mg/kg (Rabbit)	=9.48 mg/L (Rat) 4 h

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See section 16 for terms and abbreviations

Delayed and immediate effects as well as chronic effects from short

Skin corrosion/irritation: No information available.

Serious eye damage/eye irritation: No information available.

Respiratory or skin sensitization: No information available.

Germ cell mutagenicity:

Contains a known or suspected mutagen.

Classified based on data available for ingredients.

May cause genetic defects.

Carcinogenicity:

Contains a known or suspected carcinogen.

Classification based on data available for ingredients.

May cause cancer.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	Australia
Third Party Formulation (TP # 1608183)	Carc. 1A
Third Party Formulation (TP # 1594907)	Carc. 1B
3 rd Party %: 0.016465 (Third Party Formulation (TP # 1594907)), 3 rd Party %: 0.00195 (Third Party Formulation (TP # 1608183))	Carc. 2
Third Party Formulation (TP # 1608183)	Carc. 1A
Third Party Formulation (TP # 1608183)	Carc. 1B

Reproductive toxicity: No information available.

STOT- single exposure:

Based on the classification criteria of the Globally Harmonized System as adopted in the country or region with which this safety data sheet complies, this product has been determined to cause systemic target organ toxicity from acute exposure. (STOT SE).

May cause damage to organs.

STOT- repeated exposure: May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard: May be fatal if swallowed and enters airways.

12. Ecological information

Toxicity

Unknown aquatic toxicity:

0% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Paraffinic, naphthenic solvent	No data available	96h LC50: =2.2 mg/L (Lepomis macrochirus) 96h LC50: =2.4 mg/L (Oncorhynchus mykiss) 96h CL50: =45 mg/L (Pimephales promelas)	No data available	No data available
Third Party Formulation	No data available	96h LC50: =1490 mg/L (Lepomis macrochirus)	No data available	48h EC50: >1000 mg/L (Daphnia magna)

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(TP # 1594907)		96h LC50: =2950 mg/L (Lepomis macrochirus)		
Third Party Formulation (TP # 1594907)	No data available	96h LC50: >5000 mg/L (Pimephales promelas)	No data available	No data available
Third Party Formulation (TP # 1594907)	No data available	96h LC50: 13.1-16.5 mg/L (Lepomis macrochirus) 96h LC50: 13.5-17.3 mg/L (Oncorhynchus mykiss) 96h LC50: 2.661-4.093 mg/L (Oncorhynchus mykiss) 96h LC50: 23.53-29.97 mg/L (Pimephales promelas) 96h LC50: 30.26-40.75 mg/L (Poecilia reticulata) 96h LC50: 7.711-9.591 mg/L (Lepomis macrochirus) 96h LC50: =13.4 mg/L (Pimephales promelas) 96h LC50: =19 mg/L (Lepomis macrochirus) 96h LC50: =780 mg/L (Cyprinus carpio) 96h LC50: >780 mg/L (Cyprinus carpio)	EC50= 0.0084 mg/L 24h	48h LC50: =0.6 mg/L (Gammarus lacustris) 48h EC50: =3.82 mg/L (water flea)
Third Party Formulation (TP # 1608183)	No data available	96h LC50: =9.22 mg/L (Oncorhynchus mykiss)	No data available	48h EC50: =6.14 mg/L (Daphnia magna)
Third Party Formulation (TP # 1608183)	No data available	96h LC50: 7.19-8.28 mg/L (Pimephales promelas)	No data available	48h EC50: =6.14 mg/L (Daphnia magna)
Third Party Formulation (TP # 1594907)	No data available	96h LC50: =2200 mg/L (Pimephales promelas)	No data available	No data available
Third Party Formulation (TP # 1594907)	No data available	96h LC50: =1740 mg/L (Lepomis macrochirus) 96h LC50: =19 mg/L (Pimephales promelas) 96h LC50: =2.34 mg/L (Oncorhynchus mykiss)	No data available	48h EC50: =0.95 mg/L (Daphnia magna)

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		96h LC50: =41 mg/L (Pimephales promelas) 96h LC50: =45 mg/L (Pimephales promelas)		
Third Party Formulation (TP # 1594907)	No data available	96h LC50: =0.21 mg/L (Cyprinus carpio)	No data available	No data available
3 rd Party %: 0.016465 (Third Party Formulation (TP # 1594907)), 3 rd Party %: 0.00195 (Third Party Formulation (TP # 1608183))	No data available	96h LC50: 0.91-2.82 mg/L (Oncorhynchus mykiss) 96h LC50: 5.74 -6.44 mg/L (Pimephales promelas) 96h LC50: =1.6 mg/L (Oncorhynchus mykiss) 96h LC50: =1.99 mg/L (Pimephales promelas) 96h LC50: =31.0265 mg/L (Lepomis macrochirus)	EC50 =0.93 mg/L 30min EC50 >20 mg/L 18h	48h EC50: 1.09-3.1 mg/L (Daphnia magna)
Third Party Formulation (TP # 1594907)	72h EC50: =29 mg/L (Pseudokirchneriella subcapitata)	96h LC50: 10.7-14.7 mg/L (Pimephales promelas) 96h LC50: 22330-41160 µg/L (Pimephales promelas) 96h LC50: 70000-142000 µg/L (Lepomis macrochirus) 96h LC50: =22.49 mg/L (Lepomis macrochirus) 96h LC50: =28.6 mg/L (Poecilia reticulata) 96h LC50: =5.3 mg/L (Oncorhynchus mykiss)	No data available	48h EC50: 8.76-15.6 mg/L (Daphnia magna)
Third Party Formulation (TP # 1594907)	96h EC50: =240 mg/L (Pseudokirchneriella subcapitata)	96h LC50: =215 mg/L (Lepomis macrochirus)	EC50 =3300 mg/L 160 min	48h EC50: =350 mg/L (Daphnia magna)

Persistence and degradability No information available.

Bioaccumulation

Component information	
Chemical name	Partition coefficient
Third Party Formulation (TP # 1594907)	0.81
Third Party Formulation (TP # 1594907)	3.15
Third Party Formulation (TP # 1608183)	3.63
Third Party Formulation (TP # 1594907)	6.1
3 rd Party %: 0.016465 (Third Party Formulation (TP # 1594907)), 3 rd Party %: 0.00195 (Third Party Formulation (TP # 1608183))	3.6

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Third Party Formulation (TP # 1608183)	2.1
Third Party Formulation (TP # 1608183)	0.08

Mobility in soil No information available.

Mobility No information available.

Ecotoxicity

Toxic to aquatic life.

Toxic to aquatic life with long lasting effects.

Other adverse effects No further relevant information available.

13. Disposal considerations

Waste treatment methods

Waste from residues/unused products

Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging:

Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

14. Transport information

ADG	
UN number	UN1993
Proper shipping name	Flammable liquid, n.o.s.
Hazard class	3
Packing group	III
Special provisions	223, 274
Hazchem code	•3Y
IATA	
UN number	UN1993
Proper shipping name	FLAMMABLE LIQUID, N.O.S.
Hazard class	3
Packing group	III
Special provisions	3L
Hazchem code	UN1993, FLAMMABLE LIQUID, N.O.S. (2-BUTOXYETHANOL, XYLENE), 3, III, LTD QTY
IMDG/IMO	
UN number	UN1993
Proper shipping name	FLAMMABLE LIQUID, N.O.S.
Hazard class	3
Packing group	III
Special provisions	F-E, S-E
Hazchem code	UN1993, FLAMMABLE LIQUID, N.O.S. (2-BUTOXYETHANOL, XYLENE), 3, III, (55°C C.C.), LTD QTY

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Transport in bulk according to Annex II of Marpol and the IBC Code	No information available
Additional Information	Not Applicable

15. Regulatory information

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

United States (USA)

National regulations

Australia: See section 8 for national exposure control parameters

Standard for Uniform Scheduling of Medicines and Poisons (SUSMP):

The below table provides the relevant information for classification of this product according to the regulation. This information should be used to appropriately determine if a classification is relevant to the overall product.

Chemical name	Weight-%	Poison Schedule Number	Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)
Third Party Formulation (TP # 1594907)	0-10%	6	6: except in plant growth regulator preparations containing ≤20% of such substances, or in other preparations containing ≤10% of such substances
Third Party Formulation (TP # 1594907)	0-10%	6	6: except its derivatives; except in preparations containing ≤50% of Xylene or Xylene and Toluene
Third Party Formulation (TP # 1594907)	0-10%	6 7	6: ≤10% in preparations when fitted with a child-resistant closure 7: except when included in Schedule 6; when used in laboratory analysis, or when packed for industrial use in containers with a normal capacity of ≥100 L
3 rd Party %: 0.016465 (Third Party Formulation (TP # 1594907)), 3 rd Party %: 0.00195 (Third Party Formulation (TP # 1608183))	0-10%	6	6: except its derivatives; except in liquid hydrocarbons
Third Party Formulation (TP # 1608183)	0-10%	7	7: except its derivatives; except preparations containing ≤15 mL/L of Benzene, or petrol containing ≤50 mL/L of Benzene
Third Party Formulation (TP # 1608183)	0-10%	7	7: present

Major hazard (accident/incident planning) regulation: Verify that license requirements are met

Named hazardous chemicals

Chemical name	Threshold quantity (T)
Third Party Formulation (TP # 1608183)	50 tonne TQ

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Hazardous chemical	Threshold quantity (T)
Liquids that meet the criteria for Class 3 Packing Group II or III	50 000
Liquids with flash points <61°C kept above their boiling points at ambient conditions	200

National pollutant inventory: Subject to reporting requirement

Chemical name	National pollutant inventory
Third Party Formulation (TP # 1594907)	20 MW Threshold category 2b total 6000 MWH Threshold category 2b total 1 tonne/h Threshold category 2a total 25 tonne/yr Threshold category 1a total 400 tonne/yr Threshold category 2a total 2000 tonne/yr Threshold category 2b total
Third Party Formulation (TP # 1594907)	10 tonne/yr Threshold category 1 including individual or mixed isomers
Third Party Formulation (TP # 1608183)	20 MW Threshold category 2b total 60000 MWH Threshold category 2b total 1 tonne/h Threshold category 2a total 25 tonne/yr Threshold category 1a total 400 tonne/yr Threshold category 2a total 2000 tonne/yr Threshold category 2b total
Third Party Formulation (TP # 1594907)	20 MW Threshold category 2b total 60000 MWH Threshold category 2b total 1 tonne/h Threshold category 2a total 25 tonne/yr Threshold category 1a total 400 tonne/yr Threshold category 2a total 2000 tonne/yr Threshold category 2b total
Third Party Formulation (TP # 1594907)	10 tonne/yr Threshold category 1
3 rd Party %: 0.016465 (Third Party Formulation (TP # 1594907)), 3 rd Party %: 0.00195 (Third Party Formulation (TP # 1608183))	20 MW Threshold category 2b total 60000 MWH Threshold category 2b total 1 tonne/h Threshold category 2a total 25 tonne/yr Threshold category 1a total 400 tonne/yr Threshold category 2a total 2000 tonne/yr Threshold category 2b total
Third Party Formulation (TP # 1608183)	10 tonne/yr Threshold category 1
Third Party Formulation (TP # 1608183)	20 MW Threshold category 2b total 60000 MWH Threshold category 2b total 1 tonne/h Threshold category 2a total 25 tonne/yr Threshold category 1a total 400 tonne/yr Threshold category 2a total 2000 tonne/yr Threshold category 2b total

Banned and/or restricted:

This product contains one or more substance(s) subject to prohibition, authorization or restriction verify that requirements related to using, handling, and storing substances subject to prohibition, authorization or restriction are met.

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Chemical name	Carcinogen	Restricted substance
Third Party Formulation (TP # 1608183)	Restricted includes pure substance or mixtures containing $\geq 0.1\%$ (w/w) concentration. Restricted use: all uses involving Benzene as a feedstock containing $>50\%$ of Benzene by volume; genuine research or analysis	For spray painting at a concentration of $>1\%$ Benzene by volume

International Inventories

TSCA	Contact supplier for inventory compliance status.
DSL/NDSL	Contact supplier for inventory compliance status.
EINECS/ELINCS	Contact supplier for inventory compliance status.
ENCS	Contact supplier for inventory compliance status.
IECSC	Contact supplier for inventory compliance status.
KECL	Contact supplier for inventory compliance status.
PICCS	Contact supplier for inventory compliance status.
AICS	Contact supplier for inventory compliance status.

Legend

TSCA- United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL- Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS- European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS- Japan Existing and New Chemical Substances

IECSC- China Inventory of Existing Chemical Substances

KECL- Korean Existing and Evaluated Chemical Substances

PICCS- Philippines Inventory of Chemicals and Chemical Substances

AICS- Australian Inventory of Chemical Substances

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Key or legend to abbreviations and acronyms used in the safety data sheet

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Section 8: Exposure controls and personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	-	Skin designation
C	Carcinogen		

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGl(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed Database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
U.S. Environmental Protection Agency High Production Volume Chemicals
Organization for Economic Co-operation and Development Screening Information Data Set
RTECS (Registry of Toxic Effects of Chemical Substances)
World Health Organization

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Data for Regulatory Rules

Document Review: ATTENTION!

Standard for Uniform Scheduling of Medicines and Poisons (SUSMP): The below table provides the relevant information for classification of this product according to the regulation. This information should be used to appropriately determine if a classification is relevant to the overall product

Poison Schedule Number: 7

Chemical name	Poison Schedule Number	Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)
Third Party Formulation (TP # 1594907)	6	6: except in plant growth regulator preparations containing ≤20% of such

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		substances, or in other preparations containing ≤10% of such substances
Third Party Formulation (TP # 1594907)	6	6: except its derivatives; except in preparations containing ≤50% of Xylene or Xylene and Toluene
Third Party Formulation (TP # 1594907)	6 7	6: ≤10 % in preparations when fitted with a child-resistant closure 7: except when included in Schedule 6; when used in laboratory analysis, or when packed for industrial use in containers with a nominal capacity of ≥100 L
3 rd Party %: 0.016465 (Third Party Formulation (TP # 1594907)), 3 rd Party %: 0.00195 (Third Party Formulation (TP # 1608183))	6	6: except its derivatives; except in liquid hydrocarbons
Third Party Formulation (TP # 1608183)	7	7: except its derivatives; except preparations containing ≤15 mL/L of Benzene, or petrol containing ≤50 mL/L of Benzene
Third Party Formulation (TP # 1608183)	7	7: present

Other hazards

Composition

Inhalation Statement

Physical Hazards

Physical Hazards

Health Hazards

Packing Group in Arabic Number

Causes mild skin irritation. Toxic to aquatic life

92.4557

Liquid or Aerosol

Flame

Flame

Health hazard

999