

Safety Data Sheet



Hazardous, Dangerous Goods

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product Name: CHLORINATED RUBBER THINNER

Synonyms:

Chlorinated Rubber Thinner 4L
Chlorinated Rubber Thinner 20L

Product Code:

O-CRT4L
O-CRT20L

Barcode:

9346206042354
9346206042361

Recommended Uses: Thinner for Protective Coatings.

Supplier: OMEGA PAINTS PTY LTD
ABN: 85 073 192 104
Street Address: 13-27 Melbourne Road
Riverstone NSW 2765
Australia
Telephone: (02) 9832 0000

Emergency Telephone number: Australia: 1800 033 111; New Zealand: 0800 734 607

2. HAZARDS IDENTIFICATION

This material is hazardous according to health criteria of Safe Work Australia.



Signal Word:

Danger

Hazard Classification

- Flammable Liquids - Category 3
- Acute Toxicity - Dermal - Category 4
- Acute Toxicity - Inhalation - Category 4
- Aspiration Hazard - Category 1
- Skin Corrosion/Irritation - Category 2
- Specific Target Organ Toxicity (Single Exposure) - Category 3 Respiratory Tract Irritation
- Specific Target Organ Toxicity (Repeated Exposure) - Category 2 Hazard Statement(s)

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Hazard Statements

H226	Flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H312	Harmful if inhaled
H315	Cause skin irritation
H319	Causes serious eye irritation.
H332	Harmful if Contact with skin
H335	May cause respiratory irritation
H373	May cause damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs (Central nervous system, Liver, Kidney) through prolonged or repeated exposure if inhaled.

Prevention Precautionary Statement(s)

P210	Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
P260	Do not breathe dust/ fume/ gas/ mist/ vapor/ spray.
P264	Wash skin thoroughly after handling.
P280	Wear protective gloves/ eye protection/ face protection.

Response

P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340+P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE or doctor if you feel unwell.
P314	Get medical advice/ attention if you feel unwell.
P331	Do NOT induce vomiting.
P370+P378	In case of fire: Use dry sand, dry chemical, or alcohol-resistant foam to extinguish.

Storage Precautionary Statement(s)

P403+P233	Store in a well-ventilated place. Keep container tightly closed
P405	Store locked up
P403+235	Store in well ventilated place. Keep cool

Disposal Precautionary Statement(s)

P501	Dispose of contents/container in accordance with local, regional, national and international regulations
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Poisons Schedule (Aust): S6

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DANGEROUS GOODS CLASSIFICATION

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

Class: 3 Flammable liquid

3. COMPOSITION INFORMATION

Chemical Entity	CAS No.	Proportion (%w/w)
Xylene	1330-20-7	70-90%
ethylbenzene	100-41-4	20-30%

4. FIRST AID MEASURES

If Poisoning occurs, contact a doctor or poisons information Centre (Phone Australia 131 126, New Zealand 0800 764 766)

Inhalation

After inhalation: fresh air. Immediately call the physician. If breathing stops: immediately apply artificial respiration, if necessary also oxygen.

Skin contact

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. Consult a physician.

Eye contact

After eye contact: rinse out with plenty of water. Call an ophthalmologist. Remove contact lenses.

Ingestion

After swallowing: caution if victim vomits. Risk of aspiration! Keep airways free. Pulmonary failure possible after aspiration of vomit. Call a physician immediately.

PPE for First aiders

Wear overalls, safety glasses and impervious gloves. Use with adequate ventilation. If inhalation risk exists, wear organic vapor/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or reusing.

Medical attention

Treat symptomatically.

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5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

Foam Carbon dioxide (CO₂) Dry powder

Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given.

Specific Hazards

Carbon oxides Combustible. Vapours are heavier than air and may spread along floors. Forms explosive mixtures with air at elevated temperatures. Development of hazardous combustion gasses or vapors possible in the event of fire.

Firefighting further advice

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

Special protective equipment and precautions for firefighters

Wear breathing apparatus when fighting fire.

Hazchem Code: 3Y

6. ACCIDENTAL RELEASE MEASURES

Minor spill

Extinguish naked flames. And avoid sparks. Wear protective equipment to prevent skin and eye contamination. Wipe out with absorbent (clean rag or paper towel) or absorb with sand, sawdust or earth. Collect in drums, and arrange for disposal by a competent contractor, in accordance with local regulations.

Major spill

Shut off possible source of ignition. Clear area of all unprotected personal. Prevent further leakage or spillage if safe to do so. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapors. Work up wind or increase ventilation. Contain – prevent runoff into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labeled containers or drums for disposal. Use a spark-free shovel. Arrange disposal by competent contractors, in accordance with local regulations. If contamination of sewers or waterways has occurred, advise local emergency services.

Dangerous Goods – Initial Emergency Response Guide No: 14

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7. HANDLING AND STORAGE

Precaution for safe handling

Advice on safe handling: Work under hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols.

Advice on protection against fire and explosion: Keep away from open flames, hot surfaces, and sources of ignition. Take precautionary measures against static discharge.

Hygiene measures: Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance. For precautions see section 2.2.

Conditions for safe storage

Storage conditions: Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition.

Storage class: Storage class (TRGS 510): 3: Flammable liquids

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Entity	TWA ¹		STEL ²	
	ppm	mg/m ³	ppm	mg/m ³
Xylene	80	350	150	655
Ethylbenzene	100	434	125	543

¹ Time weighted average concentration

² Short-term exposure limits

These exposure standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept too as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentration of chemicals. They are not a measure of relative toxicity. If the direction for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers routinely, potentially exposed during product manufacture.

Biological Limit Values: As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.

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Engineering controls: Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use with local exhaust ventilation or while wearing appropriate respirator. Ventilation equipment should be explosion proof. Vapor heavier than air-prevent concentration in hollows or sumps. DO NOT enter confined spaces where vapor may have collected. Keep containers closed when not in use.

Exposure Controls

Appropriate engineering controls: Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Full contact Material: Fluorinated rubber

Minimum layer thickness: 0.7 mm

Break through time: 480 min.

Material tested: Vitoject® (KCL 890 / Aldrich Z677698, Size M)

Splash contact Material: Nitrile rubber

Minimum layer thickness: 0.4 mm

Break through time: 30 min.

Material tested: Camatril® (KCL 730 / Aldrich Z677442, Size M)

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the EC approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection: Flame retardant antistatic protective clothing.

Respiratory protection required when vapours/aerosols are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

Control of environmental exposure: Do not let product enter drains. Risk of explosion.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Unit of measurement	Typical value
Appearance	-	Clear, Liquid
Oduor	-	Solvent Oduor
Solubility	-	Soluble in organic solvent Insoluble in water
Vapor Pressure @ 25°C	kPa	24 hPa at 37.70 °C
Boiling Point	°C	>100
% Volatile by Volume	%	100
Melting Point/Range	°C	< 0 °C
Autoignition Temperature	°C	Not available
Decomposition Point	°C	Not available
Flash Point	°C	25 °C - closed cup
Density @ 25°C	g/ml	0.865 g/cm ³ at 20 °C
Flammability Limits	%(v/v)	1.1 to 7.0
Volatile content	%(w/w)	100

10. STABILITY AND REACTIVITY

Reactivity: Vapor/air-mixtures are explosive at intense warming.

Chemical stability: This material is thermally stable when stored and used as directed.

Conditions to avoid: Elevated temperature, Source of heat and ignition, open flames.

Incompatible materials: Incompatible with oxidizing agents.

Hazardous decomposition products: Oxides of carbon and nitrogen, smoke and other toxic fumes.

Hazardous reactions: No Known hazardous reaction.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

LD50 Oral - Rat - male - 3,523 mg/kg (Xylene)
(EC Directive 92/69/EEC B.1 Acute Toxicity (Oral))

Remarks: (ECHA)

LC50 Inhalation - Rat - male - 4 h - 29.09 mg/l - vapor
(Xylene)

(Regulation (EC) No. 440/2008, Annex, B.2)

Remarks: (Regulation (EC) No 1272/2008, Annex VI)

LD50 Dermal - Rabbit - > 1,700 mg/kg (Xylene)

Remarks: (RTECS)

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Skin corrosion/irritation

Skin - Rabbit (Xylene)

Result: Moderate skin irritation - 24 h

Remarks: (IUCLID)

Remarks: Drying-out effect resulting in rough and chapped skin.

After long-term exposure to the chemical: Dermatitis

Serious eye damage/eye irritation

Eyes - Rabbit (Xylene)

Result: Causes serious eye irritation. - 24 h

Remarks: (RTECS).

Respiratory or skin sensitization

Local lymph node assay (LLNA) - Mouse (Xylene)

Result: negative

(OECD Test Guideline 429)

Germ cell mutagenicity

Test Type: Mutagenicity (mammal cell test): chromosome aberration.
(Xylene)

Test system: Chinese hamster ovary cells

Metabolic activation: with and without metabolic activation

Method: Regulation (EC) No. 440/2008, Annex, B.10

Result: negative

Remarks: (National Toxicology Program)

Test Type: Ames test

(Xylene)

Test system: Salmonella typhimurium

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 471

Result: negative

Test Type: sister chromatid exchange assay

(Xylene)

Test system: Chinese hamster ovary cells

Metabolic activation: with and without metabolic activation

Method: Regulation (EC) No. 440/2008, Annex, B.19

Result: negative

(Xylene)

Test Type: dominant lethal test

Species: Mouse

Method: OECD Test Guideline 478

Result: negative

Carcinogenicity: No data available

Reproductive toxicity: No data available

Specific target organ toxicity - single exposure: No data available

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Specific target organ toxicity - repeated exposure: No data available

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

Additional Information

Repeated dose toxicity - Rat - male and female - Oral - 90 d - NOAEL (No observed adverse effect level) - 150 mg/kg - LOAEL (Lowest observed adverse effect level) - 150 mg/kg

(Xylene)

Blurred vision, Incoordination., Headache, Nausea, Vomiting, Dizziness, Weakness, anemia, Prolonged or repeated exposure to skin causes defatting and dermatitis. (Xylene)

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. (Xylene)

After absorption:

(Xylene)

Systemic effects:

(Xylene)

Headache

somnolence

Dizziness

agitation, spasms

narcosis

inebriation

(Xylene)

Effect potentiated by: ethanol

(Xylene)

Other dangerous properties cannot be excluded.

(Xylene)

Handle in accordance with good industrial hygiene and safety practice.

(Xylene)

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Toxicity

No data available

Toxicity to fish static test LC50 - Oncorhynchus mykiss (rainbow trout) - 2.60 mg/l- 96 h (Xylene)
(OECD Test Guideline 203)

Toxicity to algae static test EC50 - Pseudokirchneriella subcapitata - 4.36 mg/l - 73 h
(Xylene)
(OECD Test Guideline 201)

Toxicity to bacteria Remarks: (ECHA)
(Xylene)

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Toxicity to fish(Chronic toxicity) flow-through test NOEC - Oncorhynchus mykiss (rainbow trout) - > 1.3 mg/l - 56 d (Xylene)
Remarks: (ECHA)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) NOEC - Ceriodaphnia dubia (water flea) - 0.96 mg/l - 7 d (Xylene) (US-EPA)

Invertebrates (Chronic toxicity)

Persistence and degradability: No data available

Bio accumulative potential: No data available

Mobility in soil: No data available

Results of PBT and vPvB assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not Conducted

Endocrine disrupting properties: No data available

Other adverse effects: No data available

13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Advise flammable nature.

If possible, material and container should be recycled. If material and container cannot be recycled, dispose in accordance with local, regional, national and international regulations.

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14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".



UN No: 1307
Dangerous Goods Class: 3
Packing Group: III
HAZCHEM Code: 3Y
Emergency Response Guide No: 14

PROPER SHIPPING NAME: XYLENE

Segregation Dangerous Goods: Not to be loaded with explosives (Class 1), flammable gases (Class 2.1), if both are in bulk, toxic gases (Class 2.3), spontaneously combustible substances (Class 4.2), oxidising agents (Class 5.1), organic peroxides (Class 5.2), toxic substances (Class 6.1), infectious substances (Class 6.2) or radioactive substances (Class 7). Exemptions may apply.

MARINE TRANSPORT

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea. This material is classified as a Marine Pollutant (P) according to the International Maritime Dangerous Goods Code.



UN No: 1307
Dangerous Goods Class: 3
Packing Group: III

PROPER SHIPPING NAME: XYLENE

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AIR TRANSPORT

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.



UN No: 1307
Dangerous Goods Class: 3
Packing Group: III

PROPER SHIPPING NAME: XYLENE

15. REGULATORY INFORMATION

This material is not subject to the following international agreements:

Montreal Protocol (Ozone depleting substances)
The Stockholm Convention (Persist Organic Pollutants)
The Rotterdam Convention (Prior Informed Consent)

This material is subject to the following international agreements:

Basel Convention (Hazardous waste)
Waste from production, formulation and use of inks, dyes, pigments, paints, lacquers, varnish.
International convention for the prevention of pollution from ships (MARPOL)
Annex III- Harmful substances carried in package form.

This material/constituent(s) is covered by the following requirements:

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

Reason for Revision: Information updates of all sections to comply with Code of Practice Safe Work Australia.

Abbreviations:

ADG: Australian Code for the Transport of Dangerous Goods by Road and Rail

CAS Number: Chemical Abstracts Number

HMIS: Hazardous Materials Identification System

TWA: the time-weighted average airborne concentration over an eight-hour working day, for five-day working week over an entire working life.

STEL: short term exposure limit, the average airborne concentration over a 15-minute period which should not be exceeded at any time during a normal eight-hour workday.

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