

Safety Data Sheet



Hazardous, Dangerous Goods

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product Name: OMEGA EPOXY THINNER

Synonyms:

Protective Coatings Epoxy Thinner 4L
Protective Coatings Epoxy Thinner 20L

Product Code:

O-EXT4L
O-EXT20L

Barcode:

9346206007124
9346206007117

Recommended Uses: Paint Thinner

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 (Inhalation) - Category 4
Acute toxicity, Dermal - Category 4
Eye irritation - Category 2A
Specific target organ toxicity - Category 3 (Resp. irritation) - single exposure
Aspiration Hazard- Category 1
Skin Corrosion/Irritation – Category 2
Serious eye damage/irritation – Category 2
Specific Target Organ Toxicity (Repeated Exposure)- Category 2

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Hazard Statement(s)

- H225 Highly flammable liquid and vapor.
H302 Harmful if swallowed.
H319 Causes serious eye irritation.
H312 + H332 Harmful in contact with skin or if inhaled.
H335 May cause respiratory irritation.
H304 May be fatal if swallowed and enters airways.
H315 Cause skin irritation
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 all sources of ignition- No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical, ventilating, lighting, and all other equipment.
P242 Using only non-sparking tools.
P243 Take precautionary measures against static discharge.
P260 Do not breathe mist, vapor, or spray.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash hands, face, and all exposed skin thoroughly after handling.
P270 Do not eat, drink, or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective clothing, gloves, eye/face protection and suitable respirator as required.

Response Precautionary Statement (s)

- P301+310 If SWALLOWED: Immediately call POISON CENTRE or doctor/physician.
P330 Rinse mouth.
P331 Do NOT induce vomiting.
P302+352 IF ON SKIN: Wash with soap and water
P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+340 IF INHALED: Remove victims to fresh air and keep at rest in a position comfortable for breathing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P362 Take off contaminated clothing and wash before reuse.
P337+313 If eye irritation persists, get medical advice/attention.
P370+378 In case of fire: water fog, foam, or dry agents for extinction
P314 Get medical advice/ attention if you feel unwell.

Storage Precautionary Statement(s)

- P405 Store locked up.
P403+235 Store in well ventilated place. Keep cool.
P403 + P405 + P235 Store locked up in a well-ventilated place. Keep cool.

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Disposal Precautionary Statement(s)

P501 Dispose of contents/container in accordance with local, regional, national, and international regulations

Poisons Schedule (Aust): S6

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)
M.I.B. K	108-10-1	1-33%
BUTYL GLYCOL ETHER/BUTYL	111-76-2	20-50%
XYLENE	1330-20-7	10-35%
		100%

4. FIRST AID MEASURES

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

Inhalation

Remove victim from exposure- avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patients to assume the most comfortable position and keep warm. Keep at rest until fully recovered. If breathing labored and patient cyanotic (blue), ensure airways are clear and have a qualified person give oxygen through a facemask. If breathing has stopped, apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek immediate medical advice.

Skin contact

For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is insoluble). For skin burns, cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break blisters. If swelling, redness, blistering, or irritation occurs, seek medical assistance. A component of this material can be absorbed through the skin with resultant toxic effects. Seek medical advice.

Eye contact

If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a Doctor; or for at least 15 minutes and transport to Doctor or Hospital.

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Ingestion

Immediately rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs, give further water. Immediately call the Poisons Centre or Doctor.

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 your hands before smoking, eating, drinking, or using the toilet. Wash contaminated clothing and other protective equipment before storing or reusing.

Medical attention

Treat symptomatically.

5. FIRE FIGHTING MEASURES

Hazchem Code: 3Y

Suitable extinguishing equipment

Alcohol resistance foam is the preferred fire-fighting medium. If material is involved in the fire use alcohol resistance foam, standard foam, or Dry agent (Dry Chemical Powder, CO₂).

Specific Hazards

Flammable liquid. May form flammable vapor mixtures with air. Flameproof equipment is necessary in the area where this chemical is being used. Nearby equipment must be earthed. Electrical requirements for the work area should be assessed according to AS3000. Vapor may travel a considerable distance to the source of ignition and flash back. Avoid all ignition sources. All potential sources of ignition (open flame, pilot lights, furnaces, spark producing, switches and electrical equipment etc.) must be eliminated both in and near the work area. Do NOT smoke.

Firefighting further advice

Heating can cause expansion or decomposition leading to violent rupture of containers. If safe to do so, remove containers from path of fire. Keep containers cool with water spray. On burning or decomposing may emit toxic fumes. Firefighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapor or products of combustion or decomposition.

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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 all possible source of ignition. Clear area of all unprotected personnel. Prevent further leakage or spillage if safe to do so. Slippery when split. 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 run off 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

7. HANDLING AND STORAGE

Handling: Avoid eye contact and skin contact. Avoid inhalation of vapour, mist or aerosols.

Storage: Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Store locked up. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks.

This material is classified as a Class 3 Flammable Liquid as per the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and/or the "New Zealand NZS5433: Transport of Dangerous Goods on Land" and must be stored in accordance with the relevant regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Entity	TWA ¹		STEL ²	
	ppm	mg/m3	ppm	mg/m3
M.I.B. K	/	/	75	/
BUTYL GLYCOL ETHER/BUTYL	/	/		
XYLENE	80	350	150	655

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 to 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 is 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.

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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.

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 is heavier than air-prevent concentration in hollows or sumps. DO NOT enter confined spaces where vapor may have been collected. Keep containers closed when not in use.

Exposure Controls

Personal protective equipment

G: OVERALL, SAFETY SHOES, SAFETY GLASSES, GLOVES, RESPIRATOR.

Wear overalls, chemical safety glasses/goggles and impervious gloves. Use with adequate ventilation. If inhalation risk exists, wear organic vapor/ particular 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 toilet. Wash contaminated clothing and other protective equipment before storing or reusing.

Hygiene Measures

Keep away from food, drink, and animal feeding stuff. When using do not eat, drink, or smoke. Wash hands prior to eating, drinking, or smoking. Avoid skin and eye contact and inhalation of vapor, mist, or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Unit of measurement	Typical value
Appearance	-	Clear Liquid
Odor	-	Solvent Odor
Solubility	-	Soluble in organic solvent Insoluble in water
Vapor Pressure @ 25°C	kPa	1 hPa @ 20 °C, 68 °F
Boiling Range	°C	80-143, 117.C m
% Volatile by Volume	%	100 %
Melting Point/Range	°C	< 0 °C
Autoignition Temperature	°C	No data available
Decomposition Point	°C	Not available
Flash Point	°C	14 °C, 57.2 °
Density @ 25°C	g/ml	0.75-0.95/cm3 @ 20 °C, 68 °F;
Flammability Limits	%(v/v)	Upper explosion limit: 7 %(V) Lower explosion limit: 1.1 %(V)
Volatile content	%(w/w)	100%

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10. STABILITY AND REACTIVITY

Reactivity

Vapors may form explosive mixture with air. Vapor/air-mixtures are explosive at intense warming.

Chemical stability

No decomposition if stored and applied as directed.

Conditions to avoid.

Elevated temperature, direct sunlight, 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

May form explosive peroxides.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may rise if the product is mishandled and overexposure occurs are:

Acute effects

Ingestion: Swallowing can result in nausea, vomiting and central nervous system depression. If the victim is uncoordinated there is greater likelihood of vomiting entering the lung and causing subsequent complications.

Eye Contact: May be an eye irritant.

Skin Contact: Contact with skin will result in irritation. A component of this material can be absorbed through the skin. Effects can include those described for "INGESTION".

Inhalation: Material may be an irritant to mucous membranes and respiratory tract. Inhalation of vapor can result in headaches, dizziness, and possible nausea. In halation of high concentration can produce central nervous system depression, which can lead to loss of coordination, impaired judgment and if exposure is prolonged, unconsciousness.

Acute toxicity

Inhalation: This material has been classified as a Category 4 Hazard.

Acute toxicity estimate (based on ingredients): 10-20 mg/L.

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Skin contact: This material has been classified as a Category 4 Hazard. Acute toxicity estimate (based on ingredients): 1000-2000 mg/L.

Ingestion: This material has been classified as non-hazardous.

Corrosion/irritancy: Eye: this material has been classified as not corrosive or irritating to the eyes. Skin: this material has been classified as a Category 2 Hazard (irritant to skin).

Sensitization: Inhalation: this material has been classified as not a respiratory sensitizer. Skin: this material has been classified as a skin sensitizer.

Aspiration hazard: This material has been classified as non-hazardous.

Specific target organ toxicity (single exposure)

This material has been classified as a **Category 3 Hazard**. Exposure via inhalation may result in depression of the central nervous system.

Chronic toxicity

Mutagenicity: This material has been classified as non-hazardous.

Carcinogenicity: No data available.

Reproductive toxicity: No data available.

Specific target organ toxicity (repeated exposure) No data available.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Acute aquatic hazard: EC50 (*Daphnia magna* (Water flea)) 48 hours: > 100 mg/l; static test (Literature value)

Long-term aquatic hazard: No information is available to complete an assessment.

Ecotoxicity: No information is available to complete an assessment.

Persistence and degradability: No information is available.

Bioaccumulation potential: No information is available.

Mobility: No information is available.

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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 containers should be recycled. If material and containers cannot be recycled, dispose of it in accordance with local, regional, national, and international regulations.

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:	3295
Dangerous Goods Class:	3
Packing Group:	II
HAZCHEM Code:	3Y
Emergency Response Guide No:	14

PROPER SHIPPING NAME: SOLVENT

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.

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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: 3295
Dangerous Goods Class: 3
Packing Group: II

PROPER SHIPPING NAME: SOLVENT

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: 3295
Dangerous Goods Class: 3
Packing Group: II

PROPER SHIPPING NAME: SOLVENT

1. 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).

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1. 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.

Disclaimer

This information was prepared in good faith from the best information available at the time of issue and believed to be accurate and reliable as of the date of issue. However, no expressed or implied warranties are given. Omega Paint cannot anticipate or control the conditions under which this information may be used. Therefore, it is the user's responsibility to satisfy themselves as to the suitability and completeness of such information for their particular use. It is the responsibility of the user to ensure that the issue is current. This information given is a non-controlled document.