

DESIGNER

CONCRETE COATINGS

SDS - SAFETY DATA SHEET SOLVENT



Ingested Toxicity: Flammable: Irritant Constituents according to Safe Work Aust.

IDENTIFICATION

Other Names: 'Thinners'
Manufacturer's Product Code: None allocated

UN Number: 1263
Dangerous goods class & subsidiary risk: 3
Hazchem Code: 3[Y]
Poisons Schedule Number: S5

Use: Thinner for xylene-based co-polymer acrylic concrete sealers.

Physical Description/Properties – Clear liquid solution mixture of Petrochemical hydrocarbons



| | |
|---------------------------------|--|
| Appearance: | Water white liquid |
| Boiling Point/Melting Point: | > 154°C |
| Vapour Pressure: | 0.5 kPa |
| Vapour Density: | Range 3.7 – 4.25 |
| Flashpoint: | 27°C. Avoid open flame sources |
| Flammable Limits: | Upper Explosion Limit: 7.0% Lower Explosion Limit: 0.9% Avoid exposure to extreme heat & flame sources |
| Solubility in Water: | Insoluble |
| Solubility in Organic Solvents: | Soluble |
| Volatiles: | 100% |
| Auto Ignition Temperature: | 471 |

Other Properties: Odour: Strong vapourable aromatic hydrocarbon solvent.
Safe handling advice must be observed.

| <u>Ingredients</u> | <u>CAS Number</u> | <u>Proportion %</u> |
|---------------------|---|--------------------------------|
| Liquid Hydrocarbons | 64742-95-6 OR 1330-20-7 OR 64742-88-7 | 95 – 100 95 – 100 Max: 5 |

HEALTH HAZARD INFORMATION

ACUTE HEALTH EFFECTS



Swallowed (DANGER)

Toxic if swallowed. Can cause acute irritation to mouth and throat. Seek immediate advice from Poison's Information Centre, Australia. Phone:131126 or seek emergency hospital treatment. Do not induce vomiting.



Eye (Warning)

Short term exposure:irritating

Long term exposure: irritating, may cause inflammation of the cornea and other central nervous system effects

Skin (Warning)

Short term exposure: irritating

Long term exposure: may cause allergic dermatitis to some individuals

Inhaled (Warning)

Irritating to nose, throat and respiratory system causing dizziness, headache, coughing and sneezing.

CHRONIC HEALTH EFFECTS



Repeated Inhalation (Danger)

Long term exposure and repeated inhalation of high vapour concentrations may cause damage to respiratory system. Studies have shown that smoking can significantly increase the risk of these conditions in persons consistently exposed to vapour emissions from liquid hydrocarbons.

FIRST AID TREATMENT

Swallowed

Immediately wash mouth and lips with water. DO NOT induce vomiting. Drink plenty of water to dilute stomach contents. Seek immediate medical advice. No health hazard expected with very small ingested quantities.

Skin

Wash with tepid soapy water. A shower may be required.

Eyes

Irrigate with copious quantity of water for at least 15-30 minutes. Seek medical attention if eye irritation persists.

Inhaled

Move to fresh air, flush nasal passages, wash mouth, lips and throat with water.
Seek medical attention if symptoms persist.

Advice to doctor/First Aid Facilities

Treat symptomatically, Eye wash station. Fresh, clean water readily accessible at all times.

PRECAUTIONS FOR USE

EXPOSURE LIMITS**Safe Work Australia exposure Standard**

Classified as an irritant substance.
50 ppm for 8-hour working day exposure.

However, where a State or Territory prescribes a lower exposure standard, the lower exposure standard applies.

MANUFACTURERS RECOMMENDATIONS

Keep exposure to ingredients and vapour emissions as low as practicable. If inspirable vapour levels and substance exposure are kept below 50ppm, health problems such as skin, eye and respiratory irritation will be minimised.

**ENGINEERING CONTROLS**

Avoid generating high vapour emissions.. All work with liquid hydrocarbons should be carried out in such a way as to minimise exposure to vapour inhalation and repeated skin and eye contact. Use local mechanical ventilation or extraction (face velocity > 20m/min) in areas where vapour emission could escape into the work environment. For handling of the product, follow personal protection instructions below.

Danger Advice: Avoid heating the product and exposure to heat and flame sources.

PERSONAL PROTECTION**Skin**

Wear loose comfortable protective clothing and impervious boots. Wear gloves (AS 2161). Wash skin-exposed areas thoroughly after handling. Launder clothes regularly and keep separate from other clothes.

Eyes

Wear chemical safety spectacles with side shields or safety goggles (chemical vapour resistant AS/NZS 1336). At all times, exposure to vapour emissions and accidental contact is likely to be generated.

Respiratory

Wear a class P1 or P2 particulate respirator (AS/NZS 1715 &1716). Use only respirators which bear the Australian Standards mark and are fitted correctly. Note that persons with facial hair will have difficulty in obtaining a satisfactory face seal. For alternatives, see AS/NZS 1715: Selection and Use of Respiratory Protective Devices.

Flammability



Flammable liquid constituents. Avoid exposure to flame sources at all times.

SAFE HANDLING INFORMATION

STORAGE AND TRANSPORT

| | |
|-------------------------------|---------------------------------------|
| Storage Temperature: | Room temperature |
| D.G. Class: | 3 |
| Packaging Group: | 111 |
| UN Number: | 1263 |
| EPG Number: | None allocated |
| Correct Shipping Name: | Paint solvent / thinners – flammable. |

Storage Advice: Keep dry at all times. Storage of opened drums is hazardous and will effectively reduce product quality and use within a short space of time. The product is flammable. Isolate from all heat and flame emission sources. Ensure all electrical fittings and static electricity sources are properly earthed. Avoid exposure to alkalis, foodstuffs and food containers. Avoid oxidising agents (chlorates & nitrates etc). Remove pail & drum container bungs and lids slowly to release internal pressure. In extreme fire conditions, containers are likely to form explosive air-vapour mixture. *Classified as a dangerous good under the Australian Transport of Dangerous Goods Code.*

Transport by rail, road or ship in sealed fit-for purpose metal pails or drums. Hazchem Code: 3[Y]
Keep dry in weatherproof vehicles and storage sheds. Avoid exposure to direct heat & flame sources.

SPILLS AND DISPOSAL - WARNING

Follow safety requirements for personal protection. If spills occur, remove or isolate all ignition sources. Contain & absorb spill in dry, inert material such as sand. Collect in sealable containers and dispose of as trade waste in accordance with local authority guidelines. Keep out of sewer and storm water drains.

FIRE / EXPLOSION HAZARD - DANGER

The material is flammable and explosive air-vapour mixture will form if sealed containers are exposed to very high-temperature direct heat or acute fire conditions. Fire fighters are advised to use self contained breathing apparatus in all fire hazard situations. *Hazardous decomposition – smoke & carbon monoxide. Hazardous polymerisation – unlikely.* Do not reseal used product drums & pails. Expose to air to extinguish vapour emissions.

DECOMPOSITION PRODUCTS

| | |
|---|--|
| In case of small fire/explosion use: | Foam, CO ₂ or dry chemical. Cool drums with water spray |
| In case of major emergency: | Water spray drums. Use foam or dry chemical. |
| HAZCHEM CODE: | 3[Y] |
| Extinguishment: | As above, or as for other chemicals present |
| Danger of violent reaction or explosion: | Yes. In volatile heat & fire conditions. |
| Protective clothing: | As for other chemicals present |
| Appropriate measures: | Dilute |
| Evacuate: | Yes |

OTHER INFORMATION

Smoking: Cigarette smoking increases the risk of occupational respiratory diseases. It is recommended that all storage and work areas should be smoke-free zones.

CONTACT POINT: Fire – Ambulance – Police. Call 000. Poisons Information: Call 131 126

For General Information:

The Technical Director
Designer Concrete Coatings Pty Ltd
19 Liverpool Street, Ingleburn, NSW, 2565
Tel: (02) 9829 3311
Fax: (02) 9829 3544

Date of Issue: January 2017

This Safety Data Sheet (SDS) has been prepared in accordance with the "Safe Work Australia Guide" Code of Practice. All information contained herein is summarised and is as accurate and up-to-date as possible. No warranty expressed or implied is made to its full reliability or completeness but is considered the appropriate information required by the user in the context of how the product must be handled and used in the workplace and including in conjunction with other products or materials present. It is the user's responsibility to determine the safety, risk and fitness-for-purpose of the product under the conditions and environment where the product is intended to be used. Designer Concrete Coatings Pty Ltd shall not be liable for personal injury or property damage associated with use or misuse of the product.