

Material Safety Data Sheet

Product Name **EASY FIX SOLUTION**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name SUPERIOR COATINGS AUSTRALIA
Address Factory 14, 8-9 Gabrielle Court, Bayswater North Victoria, 3153, AUSTRALIA
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Synonyms SUPERIOR COATINGS EASY FIX SOLUTION.

Uses INDUSTRIAL APPLICATIONS.

2. HAZARDS IDENTIFICATION

**CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA
NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE**

Risk And Safety Phrases Risk and Safety Phrases are standardised phrases allocated to Hazardous Substances. Risk phrases convey a general description of the physicochemical, environmental and health hazards of a substance. Safety phrases provide information on safe storage, handling, disposal, personal protection and first aid.

RISK PHRASES
R20 Harmful by inhalation.
R36/37/38 Irritating to eyes, respiratory system and skin.

SAFETY PHRASES
S2 Keep out of reach of children.
S23 Do not breathe gas/fumes/vapour/spray (where applicable).

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Formula	Conc.	CAS No.
STYRENE	C8-H8	<3%	100-42-5

4. FIRST AID MEASURES

Eye Hold eyelids apart and flush continuously with water. Continue until advised to stop by the Poisons Information Centre, a doctor, or for at least 15 minutes. Keep patient calm.

Inhalation If over exposure occurs, leave area of exposure immediately. If other than minor symptoms occur, seek urgent medical attention. If assisting a victim avoid becoming a casualty, wear a Full-face Type A (Organic vapour) respirator or Air-line respirator.

Skin Remove contaminated clothing and gently flush affected areas with water. Seek medical attention if irritation develops. Launder clothing before reuse.

Ingestion For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor. If swallowed, do not induce vomiting.

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4. FIRST AID MEASURES cont.

Advice To Doctor Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flammability Flammable. Forms explosive mixtures with air. May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition. Styrene will polymerise readily at elevated temperatures and may violently rupture sealed containers. Eliminate all ignition sources including cigarettes, open flames, spark producing switches/tools, heaters, naked lights, pilot lights, mobile phones etc. when handling. Earth containers when dispensing fluids.

Fire and Explosion Flammable - explosive vapour. Evacuate area & contact emergency services. Toxic gases (carbon oxides, hydrocarbons) may be evolved when heated. Remain upwind and notify those downwind of hazard. Wear full protective equipment (see spill above) including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

Extinguishing Dry agent, carbon dioxide or foam. Prevent contamination of drains or waterways. Absorb runoff with sand or similar.

Hazchem Code None Allocated

6. ACCIDENTAL RELEASE MEASURES

Spillage If spilt (bulk), contact emergency services where appropriate. Wear splash-proof goggles, PVA/viton gloves, a Type A (Organic vapour) respirator (where an inhalation risk exists) and coveralls. Eliminate ignition sources, ventilate and clear area of all unprotected personnel. Absorb with sand or similar and place in clean containers for disposal.

7. HANDLING AND STORAGE

Handling Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas (eg. if container is damaged).

Storage Store in cool, dry, well ventilated area, removed from direct sunlight, oxidising agents, acids, alkalis, amines, specific incompatibilities, heat sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills. Large storage areas should have appropriate fire protection and ventilation systems.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation Do not inhale vapours. Use in well ventilated areas. In poorly ventilated areas, mechanical explosion proof extraction ventilation is recommended. Flammable/ explosive vapours may accumulate in poorly ventilated areas. Vapours are heavier than air and may travel some distance to an ignition source and flash back. Maintain vapour levels below the recommended exposure standard.

Exposure Standards STYRENE (100-42-5)
ES-TWA : 50 ppm (213 mg/m³)
ES-STEL : 100 ppm (426 mg/m³)

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION cont.

WES-TWA : 50 ppm (213 mg/m3)

PPE Wear coveralls, splash-proof goggles and PVA or viton (R) gloves. Where an inhalation risk exists, wear a Type A (Organic vapour) Respirator.



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: OFF-WHITE PASTE
Odour: STRONG ODOUR
pH: NOT AVAILABLE
Vapour Pressure: NOT AVAILABLE
Vapour Density: NOT AVAILABLE
Boiling Point: NOT AVAILABLE
Melting Point: NOT AVAILABLE
Evaporation Rate: NOT AVAILABLE
Solubility (water): NOT AVAILABLE
Specific Gravity: 1.2
% Volatiles: NOT AVAILABLE
Flammability: COMBUSTIBLE
Flash Point: 125 C
Upper Explosion Limit: NOT AVAILABLE
Lower Explosion Limit: NOT AVAILABLE
Autoignition Temperature: NOT AVAILABLE

10. STABILITY AND REACTIVITY

Reactivity Incompatible with oxidising agents, acids, alkalis, amines, halogens, sunlight, ferrous salts, heat and ignition sources. May polymerise with violent rupture/explosion.

Decomposition Products May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition.

11. TOXICOLOGICAL INFORMATION

Health Hazard Summary Low to moderate toxicity - irritant. Use safe work practices to avoid eye or skin contact and vapour inhalation during the curing process. Over exposure may cause "Styrene Sickness", with headache, fatigue and dizziness. Styrene is classified as possibly carcinogenic to humans (IARC Group 2B). Due to product form, the potential for an inhalation hazard is reduced.

Eye Irritant. Exposure may result in lacrimation, irritation, pain and redness.

Inhalation Irritant - narcotic. Over exposure may result in irritation of the nose and throat, nausea, vomiting, dizziness and breathing difficulties. At high levels; respiratory paralysis and unconsciousness. Styrene is classified as possibly

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11. TOXICOLOGICAL INFORMATION cont.

carcinogenic to humans (IARC Group 2B).

Skin Irritant. Prolonged contact may result in irritation, itching and possible skin rash.

Ingestion Low to moderate toxicity. Ingestion may result in gastrointestinal irritation, nausea, vomiting, headache, abdominal pain and diarrhoea. However, due to product form ingestion is considered unlikely. Maintain good personal hygiene standards.

Toxicity Data STYRENE (100-42-5)
LC50 (Inhalation) : 9500 mg/m³/4 hours (mouse)
LD50 (Ingestion) : 316 mg/kg (mouse)

12. ECOLOGICAL INFORMATION

Environment WATER: If released to water, styrene will volatilise relatively rapidly and biodegrade, but is not expected to hydrolyse. SOIL: If released to soil it will biodegrade and have low soil mobility. ATMOSPHERE: If released to the atmosphere, styrene will react rapidly with both hydroxyl radicals and ozone with a combined calculated half-life of ~5 hours.

13. DISPOSAL CONSIDERATIONS

Waste Disposal For small amounts absorb with sand, vermiculite or similar and dispose of to an approved landfill site. Contact the manufacturer for additional information if larger amounts are involved. Prevent contamination of drains and waterways as aquatic life may be threatened and environmental damage may result.

Legislation Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

Transport Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

UN Number None Allocated

DG Class None Allocated

Subsidiary Risk(s) None Allocated

Packing Group None Allocated

Hazchem Code None Allocated

15. REGULATORY INFORMATION

AICS All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

Poison Schedule A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

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16. OTHER INFORMATION

Additional Information IARC - GROUP 2B - POSSIBLE HUMAN CARCINOGEN. This product contains an ingredient which has demonstrated sufficient evidence to have been classified by the International Agency for Research into Cancer (IARC) as possibly carcinogenic to humans and whose use should be strictly monitored and controlled.

WELDING - SANDING - CUTTING DRIED OR CURED PRODUCT: If sanding, cutting or welding dried or cured product, adverse health effects may be avoided by the use of appropriate engineering controls and/or personal protective equipment. If welding, wear a Class P2 (Metal fume) respirator and depending on the nature of the surface being welded, additional protection (eg. for organic vapours/acid gas) may also be required. A Class P1 (Particulate) respirator is recommended if dust is generated.

RESPIRATORS: In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

COLOUR RATING SYSTEM: Chem Alert reports are assigned a colour rating of Green, Amber or Red for the purpose of providing users with a quick and easy means of determining the hazardous nature of a product. Safe handling recommendations are provided in all Chem Alert reports so as to clearly identify how users can control the hazards and thereby reduce the risk (or likelihood) of adverse effects. As a general guideline a Green colour rating indicates a low hazard, an Amber colour rating indicates a moderate hazard and a Red colour rating indicates a high hazard.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this Chem Alert report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a Chem Alert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

ABBREVIATIONS:

mg/m³ - Milligrams per cubic metre

ppm - Parts Per Million

TWA/ES - Time Weighted Average or Exposure Standard.

CNS - Central Nervous System

NOS - Not Otherwise Specified

pH - relates to hydrogen ion concentration - this value will relate to a scale of 0 - 14, where 0 is highly acidic and 14 is highly alkaline.

CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.

M - moles per litre, a unit of concentration.

IARC - International Agency for Research on Cancer.

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Report Status Chem Alert reports are compiled as an independent source of information by RMT's scientific department. The information is based on the latest chemical and toxicological research, and in compliance with relevant standards, guidance notes and legislation (where applicable). The Chem Alert report is not intended as a replacement to the manufacturer's original MSDS that is provided to Chem Alert subscribers for convenience. In many instances, Chem Alert reports are compiled on behalf of manufacturers, in which case they serve as the "Manufacturer's MSDS" and are clearly identified as such on the relevant reports.

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