



Safety Data Sheet

According to NOHSC:2011(2003)

Version: 1.0
Issued: 20-Jun-11

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MSDS : 641

CLASSIFIED AS HAZARDOUS ACCORDING TO SAFEWORK CRITERIA

1. Identification of the substance/preparation and company

Product:

SikaFix HH (au) Accelerator

Recommended use:

Accelerator for injection resin

Manufacturer/supplier information:

| | |
|--------------------------|-------------------------|
| Manufacturer/supplier: | Sika Australia Pty Ltd |
| Street/postbox: | 55 Elizabeth Street |
| Town/city and Post Code: | WETHERILL PARK NSW 2164 |
| Country: | AUSTRALIA |
| Phone: | (02) 9725 1145 |
| Fax: | (02) 9725 3330 |
| General information | Operations Manager |

Emergency information phone: 1800 033 111

2. Hazard identification

Xi Irritant

R Phrase

R36/37/38 Irritating to eyes, respiratory system and skin.

S Phrases

S23 Do not breathe vapour
S24/25 Avoid contact with skin and eyes.

3. Composition/information on ingredients

Mixture of tertiary amines and additives.

Hazardous ingredients:

| Ingredient | CAS No | Concentration |
|-----------------|--------|---------------|
| Tertiary amines | | 20 – 40% |
| Tin mercaptide | | 1 – 10% |

4. First-aid measures

Inhalation:

Remove to fresh air. Seek medical advice if irritation or other symptoms persist.

Skin contact:

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.

Eye contact:

If in eyes, hold eyelids apart and flush the eyes continuously with running water for at least 15 mins. Seek medical attention immediately.

Ingestion:

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766). 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. Seek medical advice.

Notes to physician:

Treat symptomatically.



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5. Fire-fighting measures

Specific hazards:

In the event of fire oxides of carbon dioxide, carbon monoxide, nitrous oxide and hydrogen cyanide can be produced.

Special protective precautions and equipment:

Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

Suitable extinguishing media:

If material is involved in a fire use dry chemical, carbon dioxide, chemical foam, water fog and spay. Water or foam may cause frothing if liquid is burning.

6. Accidental release measures

Spills and Disposal

Small spills

Ensure adequate ventilation. Wear protective equipment to prevent skin and eye contamination. Collect with absorbent material (sand, earth) and seal in properly labelled containers or drums for disposal.

Large spills

Eliminate all sources of ignition. Evacuate and ventilate area. Prevent entry into drains and waterways. Do not allow to enter drains or waterways. Clean up personnel should wear appropriate personnel protective equipment. Absorb with dry chemical absorbent, earth or sand. Do not use combustible material such as sawdust. Place in a waste disposal container for disposal.

Vapours may settle in low areas or travel some distance along the ground or surface to ignition sources and where they may ignite. Turn off all ignition sources.

7. Handling and storage

Handling:

Avoid spills and skin and eye contact. Wear proper personal protective equipment. Use in well ventilated areas. Avoid smoking, bare lights or ignition sources. Avoid physical damage to containers.

Storage:

Store in sealed containers indoors, in a cool place dry well ventilated place and well sealed when not in use. Keep away from food, beverages and animal feedstock. Protect from atmospheric moisture and water.

Storage temperature 12.8⁰ C- 48.9 C.

8. Exposure controls/personal protection

National occupational exposure limits:

No exposure standards have been established for this product.
However for.

| | ppm | mg/m ³ |
|----------------|--------------|-------------------|
| Tertiary amine | TWA - NE | NE |
| Tin Mercaptide | TWA - 0.1(S) | 0.1(S) |

NE – not established
(S) - Skin

Biological Limit Values:

As per the "National Model Regulations for the Control of Workplace Hazardous Substances [NOHSC: 1005 (1994)]" the ingredients in this material do not have a Biological Limit Allocated.



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Engineering measures:

Ensure ventilation is adequate to maintain air concentrations. Natural ventilation should be adequate under normal use conditions.

Personal protection equipment:

OVERALLS, SAFETY SHOES, CHEMICAL GOGGLES, GLOVES.

Wear overalls, chemical goggles and impervious gloves. Due to variations in glove construction and local conditions, the user should make an assessment of the appropriate gloves to use. Wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using. If risk of inhalation exists, wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

9. Physical and chemical properties

Appearance:

Physical state: I Liquid
Colour: Clear
Odour Mild amine odour

Data relevant to safety:

| | |
|----------------------------|---------------------------|
| Solubility: | Slightly soluble in water |
| Specific gravity | 0.93 – 0.96 |
| Viscosity (dynamic) @ 20°C | 30 – 60 cps |
| Vapour pressure | 5 mm Hg @ 20°C |
| % Volatiles | < 1% |

10. Stability and reactivity

Chemical stability:

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

Conditions to avoid

Extreme temperatures, Container contamination, Moisture. Open flame

Polymerization

Polymerization will not occur.

Hazardous decomposition products

Carbon monoxide, Carbon dioxide, Nitrous oxide and HCN.

Incompatible material

Mineral acids, organic acids, oxidizing agents, reactive metals and 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 arise if the product is mishandled and over exposure occurs are:

Skin contact: Moderate irritant. skin absorption hazard.

Eye contact: Moderate to severe irritation.



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Ingestion: Ingestion may cause irritation of the gastrointestinal tract and gastrointestinal discomfort With any or all of the following symptoms. Nausea,vomiting,lethargy,diarrhea.

Inhalation : Inhalation of vapour or mist at concentrations above TLV can cause respiratory tract irritation(nose, throat ,lungs)

Carcinogenicity – Not classified as a carcinogen.

Acute toxicity / Chronic toxicity:

Tertiary amine
Oral LD50 (rat) 1600mg/kg
Dermal LD50(rabbit) >12000 mg/kg
Inhalation LC50 (rat) >16000mg/m³/8h

Tin mercaptide
Oral LD50 (rat) - 240mg/kg
Dermal LD50(rat) - >1000 mg/kg

12. Ecological information

Avoid contaminating waterways.

Ecotoxicity:
No information available

Mobility:
Slightly soluble in water.

13. Disposal considerations

Refer to State/Territory Land Waste Management Authority.

14. Transport information

Transport information

ADG/ADR/RID
Not regulated.

IMDG
Not regulated.

IATA
Not regulated.

Not regulated below 119 gallons in one container.

15. Regulatory information

Poisons Schedule (Aust):
Not scheduled.

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

16. Other information

Material Safety Data Sheets are updated frequently. Please ensure that you have a current copy. MSDS



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may be obtained from the following website: www.sika.com.au

The information contained in this Safety Date Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the Technical Data Sheet prior to any use and processing.