



Safety Data Sheet

According to NOHSC:2011(2003)

Version: 2.0

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Revised: 11 September 2006

MSDS No: 280

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

1. Identification of the substance/preparation and company

Product:

Sika® Confibre 51F

Recommended use:

Additive for concrete.

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. Composition/information on ingredients

Chemical characterization:

Propene homopolymer, min 98% formula (C₂H₄)_n

Hazardous ingredients:

Ingredient	CAS No	Concentration
-	-	-

3. Hazard identification

Hazard Category:

Risk Phrase(s):

Safety Phrase(s):

4. First-aid measures

Inhalation:

Remove victim from exposure - avoid becoming a casualty exposure to spray fumes and vapours produced by heated or burned polypropylene in the case of severe exposure to spray fumes or vapours, move the affected person into fresh air and get medical advice if the symptoms continue.

Skin contact:

Exposures to splashing of hot product treat the affected part with cold water (by spraying or immersion). No attempt should be made to detach molten product adhering to the skin or to remove clothing attached with molten material, usually the layer detaches itself after a few days.

Eye contact:

In Case of a severe burn, seek medical advice immediately after exposures to splashing of hot product treat the eyes with cold water. Seek immediately special attention at hospital or medical centre. In case of irritation wash with copious volumes of water, until the irritation disappears. In all cases of eye contamination it is a sensible precaution to seek medical advice.

Ingestion:

Ingestion during handling is not likely. In case of ingestion of small quantities, no important effect will be observed. In the case of ingestion of larger amounts this may result in abdominal pain and diarrhoea.

Notes to physician:



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Treat symptomatically.

5. Fire-fighting measures

Specific hazards:

Non-combustible material.

Special protective precautions and equipment:

Combustion products: complete combustion, with an excess of oxygen forms: carbon dioxide and water vapour partial combustion, forms also: carbon monoxide, soot and cracked products: aldehydes, ketones, hydrocarbons and volatile fatty acids

Suitable extinguishing media:

for minor fires: carbon dioxide or powder for more

extensive fires: foam. Water spray (mist) to cool the surfaces exposed to the fire.

Not to be used: do not use water jets (stick jets) in the early stages of extinguishing fire since they could help to spread the flames.

Technical measures: stop the fire spreading. Call the fire brigade immediately. Evacuate nonessential personnel. Protective clothing, goggles and self-contained breathing equipment should be made available for firemen.

6. Accidental release measures

Small Spills:

Fibres spilled on the floor, should be recovered by sweeping or suction. Put in containers to facilitate its disposal which should be in accordance with local or national regulations

Large spills:

As above.

7. Handling and storage

Handling:

Avoid skin and eye contact.

Storage:

Do not store near highly flammable materials. Store in a dry area to avoid degradation of the boxes and bags. The product is stable under normal operating conditions. Conditions to avoid: Avoid proximity or contact with flames or sparks. Do not heat to temperatures exceeding 300 °C. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for leaks.

8. Exposure controls/personal protection

National occupational exposure limits:

No value assigned for this specific material by the NOHSC Australia.

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.

Engineering measures:

Natural ventilation should be adequate under normal use conditions.

Personal protection equipment:

OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES.

Wear overalls, safety glasses 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



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smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

9. Physical and chemical properties

Appearance:

Physical state: long monofilament or fibrillated fibre strands
Colour: translucent or white opaque
Odour: odourless

Data relevant to safety:

Solubility: insoluble in water.
Specific Gravity (20 °C): approx 0.905
Relative Vapour Density (air=1): N Av
Vapour Pressure (20 °C): N Av
Flash Point (°C): + 350 C
Flammability Limits (%): N App
Autoignition Temperature (°C): >380 C
Melting Point/Range (°C): 160-165
Boiling Point/Range (°C): N Av
pH: N App
Viscosity (20 °C): N app

(Typical values only - consult specification sheet)

N Av = Not available N App = Not applicable

10. Stability and reactivity

Chemical stability:

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

Conditions to avoid:

Avoid contact with strong oxidising materials and fluorine also avoid proximity or contact with flames or sparks and do not heat to temperatures exceeding 300° C.

Incompatible Materials:

Strong Oxidising agents.

Hazardous decomposition products:

Oxides of carbon, smoke and other toxic fumes.

Hazardous reactions:

No information available.

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 overexposure occurs are:

Acute Effects:

Inhalation: low risk for temperatures below 40°C. If heated to more than 235°C, the product may form vapours or fumes that may cause irritation of respiratory tract and cause coughing and sensation of shortness of breath.

Skin contact: no risk for temperatures below 40°C. In contact with hot material may cause severe thermal burns.

Eye contact: splashing of molten droplets causes ocular tissue injury.

Ingestion: minimal toxicity.



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Long Term Effects:

No information available for product.

Carcinogenicity (mg/kg) IARC (International Agency on Research on Cancer): category 3
the agent is not classifiable as to its carcinogenicity to humans.

Mutagenicity: this product has been found to be non-mutagenic or non-genotoxic in the following in-vitro assays: mouse lymphoma assays, Chinese hamster ovary cell chromosome aberration test, and unscheduled DNA synthesis in rat hepatocytes.

Other: polyolefins are biologically inert.

Acute toxicity / Chronic toxicity:

No LD50 data available for the product.

12. Ecological information

Information on ecological effects: avoid losses to the environment whenever possible.

Mobility Air: there is a slow loss by evaporation

Soil: because of its physicochemical properties, the product generally has low soil mobility

Water: because of its low solubility the product should not be dangerous for aquatic life.

Persistence and degradability: persistent in the environment

Biodegradation: this substance is slowly biodegradable

accumulative potential: potential bioaccumulation of the product in environment is very low

Bio Ecotoxicity: because of its low solubility, the product should not be dangerous for aquatic life.

13. Disposal considerations

Refer to State/Territory Land Waste Management Authority.

14. Transport information

ADG/ADR/RID

Not classified as Dangerous Goods by the criteria of the ADG Code.

IMDG

Not classified as Dangerous Goods by the criteria of the IMDG Code for transport by sea.

IATA

Not classified as Dangerous Goods by the criteria of the IATA Dangerous Goods Regulations for transport by air.

15. Regulatory information

Poisons Schedule (Aust):

Not applicable.

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

16. Other information

Reason(s) For Issue: Revised

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