

Material Safety Data Sheet

Sikafloor[®] Top Coat WS Part A



HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA

COMPANY DETAILS

COMPANY: Sika Australia Pty. Limited A.C.N. 001 342 329
Sika New Zealand Limited

ADDRESS: 55 Elizabeth Street, Wetherill Park, NSW 2164 (AUS)
85-91 Patiki Road, Avondale, Auckland (NZ)

TELEPHONE: (02) 9725 1145 (AUS)
(09) 828 7002 (NZ)

EMERGENCY TELEPHONE NO.: (02) 9757 5634 or (02) 9757 5625 (AUS)
0800 734 607 (NZ)

EMERGENCY AFTER HOURS: 1 800 033 111 (AUS)
0800 734 607(NZ)

FAX NUMBER: (02) 9725 3330 (AUS)
(09) 828 4091 (NZ)

IDENTIFICATION

PRODUCT NAME: Sikafloor[®] Top Coat WS Part A

OTHER NAMES: None

MANUFACTURER'S PRODUCT CODE: None

U.N. NUMBER: None

DANGEROUS GOODS CLASS: Not applicable.

HAZCHEM CODE: Not applicable

POISONS SCHEDULE NUMBER: 5

USE: Part A of A two-component epoxy flooring coating.

PHYSICAL DESCRIPTION/PROPERTIES:

APPEARANCE: Unpigmented (usually) beige flowable opaque paste.

BOILING POINT Boils at >200

VAPOUR PRESSURE: <7 (pascals @ 20 deg. C)

SPECIFIC GRAVITY: 1.33 g/cc @ 29 deg. C

FLASHPOINT: >95 (deg. C Closed cup method)

FLAMMABILITY LIMITS: Upper None measured Lower None measured

SOLUBILITY IN WATER: Insoluble (g/L @ 20 deg. C)

ADVICE NOTE:

The information contained in this Material Safety Data Sheet corresponds to our best knowledge at the time of publication. Each user should read the MSDS and Technical Data Sheet prior to handling and use.

This product is sold subject to our latest standard terms and conditions.

OTHER PROPERTIES:

Decomposition temperature : >200°C
pH : Approx. 7 at 1:1 mixture
Viscosity : 4000-6000 mPa.s

INGREDIENTS:

Chemical Name:	CAS Number:	Proportion:
Diglycidyl ether of Bisphenol A	25068-38-6	30 – 60 %
Glycidyl ether of C12-C14 alcohols	68609-97-2	< 10 %
Trimethylolpropane triacrylate	15625-89-5	< 10 %
Xylenes	1330-20-7	< 10 %
Non-hazardous ingredients	-	to 100%

Trace amount (typically <10ppm) of Epichlorohydrin remain in the epoxy resins as a result of the chemical reactions in which they are made.

HEALTH HAZARD INFORMATION

HEALTH EFFECTS:

Acute:

Swallowed: Product is of low toxicity. (Oral, Rat LD50) >3400 mg/kg.

Eye: May cause very mild irritation to the eyes.

Skin: Mild irritation may result from prolonged contact.

Inhaled: May cause slight irritation if inhaled.

Chronic:

Susceptible individuals may develop allergic reactions such as dermatitis or asthma-like symptoms on a single significant skin exposure or may become sensitised to the material on repeated contact.

If cured material made using this product is to be cut or sanded, ensure an appropriate dust mask (Class P3, disposable) is worn. In addition industrial safety glasses or goggles should also be worn.

Epoxy resins are made in reactions involving Epichlorohydrin. Therefore it must be assumed that a very small amount of the material will remain in the final product. Epichlorohydrin has been classified as a category 2 carcinogen (worksafe). Hence it is essential that all forms of exposure be kept to an absolute minimum.

FIRST AID:

Swallowed: If poisoning occurs, contact a doctor or Poisons Information Centre. If swallowed, do NOT induce vomiting. Give a glass of water.

Eye: Hold eyes open. Flood with water for at least 15 minutes. See a doctor.

Skin: Remove contaminated clothing. wash affected skin area with soap and water. Do not use solvents.

Inhaled: Remove to fresh air. Give oxygen if required.

First Aid Facilities: Eye wash station. Showering facility.

ADVICE TO DOCTOR:

No specific antidote. Treat Symptomatically.

PRECAUTIONS FOR USE

EXPOSURE STANDARDS:

Epoxy resin 2ppm, 7.6 mg/m³ (epichlorohydrin) TLV
STEL: Not established.

Xylene

80ppm 350mg/m³ TWA
150ppm 655mg/m³ STEL

Avoid exceeding exposure limits by use of ventilation and / or personal protection.

Follow good working practice : handle with care, avoid ingestion, inhalation, eye or skin contact. Do not smoke while using this product. Wash hands with soap and water before eating, drinking, smoking or using toilet facilities.

ENGINEERING CONTROLS:

Wherever possible, the workplace must be ventilated sufficiently to ensure that exposure limits are met. State regulations on speed and direction of airflow away from operators must be observed.

PERSONAL PROTECTION:

Avoid contact with skin and eyes by wearing long impervious gloves, (Rubber, Neoprene, PVC complying to AS 2161) and industrial safety glasses. Respiratory protection complying with AS 1715, 1716 should be worn if ventilation at the workplace is inadequate. Apply barrier creams to exposed skin areas.

Do not store or consume food, drink or tobacco in an area where they may become contaminated with this material. Wash thoroughly before eating, smoking, applying cosmetics etc. Thoroughly launder work clothes before reuse.

FLAMMABILITY:

Do not smoke while using product. Product is not flammable, therefore does not need to be handled, used or stored in a flameproofed area.

SAFE HANDLING INFORMATION

STORAGE & TRANSPORT:

Stored in a cool, dry well-ventilated place. Reseal container after use.

Do not store with strong oxidising agents, acids or bases.

Dangerous Goods Class: Free
UN Number: Free
Proper Shipping Name: Free
Packing Group: Not applicable
HAZCHEM Code: Not applicable
Emergency Produce Guide: Not applicable

SPILLS & DISPOSAL:

In case of spill, wear personal protection as indicated above. Spilt material should be absorbed into dry, inert material (eg sand), which then can be put into appropriately labelled drums. The wasted material can be disposed of by incineration (preferably high temperature), by an approved agent according to local regulations.

FIRE/EXPLOSION HAZARD:

Extinguishing Media: Water mist, foam, Carbon Dioxide, dry powder.

Hazardous combustion products: Carbon Monoxide, Carbon Dioxide and other possibly toxic gases and vapours on burning.

Product will not decompose explosively.

Product as received will not present a dust explosion hazard. However, should cured material made using this product be machined or sanded, a dust explosion hazard may be created. Therefore all dust generated should be removed as quickly as possible, preferably by using a vacuum cleaner.

OTHER INFORMATION:

Environment Data:

LC50 / 96 hour / fish > 2.4 mg/L
Moderately toxic to fish.

LC50 / 96 hour / daphnia > 3.6 mg/L
Moderately toxic to invertebrate species.

Toxicity to Bacteria :LC50 > 100 mg/L

Slightly toxic.

OECD Biological degradation : Not readily biodegradable.

Prevent spillage from entering waterways or drains.

All components of this product are registered on the Australian Inventory of Chemical Substances.

CONTACT POINT:

Responsible Care Co-ordinator or Laboratory Manager
(02) 9725 1145 (AUS)

Operations Manager (09) 828 7002 or (09) 820 1432 (NZ)

Material Safety Data Sheet

Sikafloor[®] Top Coat WS Part B



HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA

COMPANY DETAILS

COMPANY: Sika Australia Pty. Limited A.C.N. 001 342 329
Sika New Zealand Limited

ADDRESS: 55 Elizabeth Street, Wetherill Park, NSW 2164 (AUS)
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FAX NUMBER: (02) 9725 3330 (AUS)
(09) 828 4091 (NZ)

IDENTIFICATION

PRODUCT NAME: Sikafloor[®] Top Coat WS Part B

OTHER NAMES: Corrosive Liquid N.O.S. (contains IPD)

MANUFACTURER'S PRODUCT CODE: None

U.N. NUMBER: 1760

DANGEROUS GOODS CLASS: Class 8

HAZCHEM CODE: 2R

POISONS SCHEDULE NUMBER: 5

USE: One component of A and Two component epoxy flooring compound usually layed on concrete substrates.

PHYSICAL DESCRIPTION/PROPERTIES:

APPEARANCE: Straw coloured liquid with slight amine odour

BOILING POINT/MELTING POINT: Not available

VAPOUR PRESSURE: Not available

SPECIFIC GRAVITY: ~1.04

FLASHPOINT: Not available

FLAMMABILITY LIMITS: Not available

SOLUBILITY IN WATER: ~ 65% by weight

ADVICE NOTE:

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This product is sold subject to our latest standard terms and conditions.

OTHER PROPERTIES:

Ignition temperature > 425°C

Reactivity Reacts with strong acids and strong oxidising agents exothermically.

Thermal decomposition @>250°C produces ammonia, other nitrogen compounds, carbon monoxide and carbon dioxide.

INGREDIENTS:

Chemical Name:	CAS Number:	Proportion:
modified polyamine adduct	-	10 – 30 %
isopherone diamine	2855-13-2	10 – 30 %
Non hazardous acidic accelerator	-	< 10 %
M-XDA	1477-55-0	10 – 30 %
benzyl alcohol	100-51-6	to 100%

HEALTH HAZARD INFORMATION

HEALTH EFFECTS

Acute:

Swallowed: Harmful if swallowed.
Eye: Irritating to eyes - risk of serious eye damage.
Skin: Harmful in contact with skin - causes burns.
Inhaled: Harmful by inhalation.

Chronic

May cause sensitisation by skin contact & inhalation.

FIRST AID

Swallowed: If poisoning occurs, contact a doctor or Poisons Information Centre. If swallowed, do NOT induce vomiting. Give a glass of water.
Eye: In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre.
Skin: If skin contact occurs, remove contaminated clothing and wash skin thoroughly with plenty of soap and water.
Inhaled: Remove from exposure.
First Aid Facilities: Clean running water.

ADVICE TO DOCTOR:

Treat as for corrosive alkali with moderate water solubility.

PRECAUTIONS FOR USE

EXPOSURE STANDARDS:

M-XDA: 0.1mg/m³ TWA
IPD: STEL: WorkSafe None determined
Epoxy resin: 2ppm, 7.6 mg/m³ (epichlorohydrin) TLV
STEL: Not established.

ENGINEERING CONTROLS:

Use only in well ventilated areas, use local exhaust ventilation if necessary. If ventilation is poor use respirator specified below.

PERSONAL PROTECTION:

Wear suitable protective clothing. Wear PVC gloves. Wear safety goggles. In poorly ventilated areas wear a half face filter respirator suitable for organic vapours. (Filter A).

Gloves and safety glasses recommended should comply with Australian Standards or an equivalent approved by a Commonwealth, State or Territory authority. Respirators should comply with Australian Standard AS 1716 *Respiratory Protective Devices* or an equivalent approved by a State or Territory authority and should be used in accordance with Australian Standard AS 1715 *Selection, Use and Maintenance of Respiratory Protective Devices*.

Do not store or consume food, drink or tobacco in an area where they may become contaminated with this material. Wash thoroughly before eating, smoking, applying cosmetics etc. Thoroughly launder work clothes before reuse.

FLAMMABILITY: Not flammable under conditions of use but will support combustion.

SAFE HANDLING INFORMATION

STORAGE & TRANSPORT: Store in cool, dry well-ventilated place. Reseal container after use. Protect from heat and direct sunlight..

Dangerous Goods Class:	8
UN Number:	1760
Proper Shipping Name:	Corrosive Liquid N.O.S. * (contains. IPD)
Packing Group:	III
Hazchem Code:	2R
Emergency Procedure Guide:	8A1

SPILLS & DISPOSAL: Prevent entering sewers or stormwater drains or waterways. In poorly ventilated or confined spaces wear a half face respirator suitable for organic vapours wear safety glasses or goggles and rubber or PVC gloves. Absorb with dry sand, vermiculite or special spill absorbent for organic materials.

Collect absorbent and absorbed spill in a steel container that can be sealed. Dispose of using a licenced incinerator.

FIRE/EXPLOSION HAZARD: Produces oxides of nitrogen and carbon on combustion. Fire fighting media-foam, carbon dioxide or dry powder.

OTHER INFORMATION: Follow good working practice: Handle with care, avoid ingestion, inhalation, eye or skin contact. Do not smoke while using this product. Wash hands with soap and water before eating, drinking, smoking or using the toilet.

CONTACT POINT: Responsible Care Co-ordinator or Laboratory Manager
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