Sikaflex®-11FC+



SECTION 1: Identification of the hazardous chemical and of the supplier

Product name : Sikaflex®-11FC+ Product code : 000000607576

Type of product : paste

Recommended use of the chemical and restrictions on use

Product use : Sealant/adhesive

Manufacturer or supplier's details

Company : Sika Kimia Sdn. Bhd.

Lot 689 Nilai Industrial Estate

71800 Nilai

Telephone : +60 6799 1762
Telefax : +60 6799 1980
E-mail address : EHS@my.sika.com

Emergency telephone :

number

Contact point :

SECTION 2: Hazards identification

Classification of the hazardous chemical

Not a hazardous substance or mixture.

Label elements

Not a hazardous substance or mixture.

Other hazards which do not result in classification

None known.

SECTION 3: Composition and information of the ingredients of the hazardous chemical

Substance / Mixture : Mixture

Hazardous components

Chemical name	CAS-No.	Concentration (%)
Reaction product of Hexamethylene	Not Assigned	>= 0.025 - < 0.25
diisocyanate, oligomers with		
Mercaptopropyltrimethoxysilane		
Hardener LI (Isophoronedialdimine)	932742-30-8	>= 0.025 - < 0.25
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	41556-26-7	>= 0.025 - < 0.25

SECTION 4: First aid measures

General advice : Move out of dangerous area.

Consult a physician.

Show this safety data sheet to the doctor in attendance.

If inhaled : Move to fresh air.

Consult a physician after significant exposure.

In case of skin contact : Take off contaminated clothing and shoes immediately.

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Wash off with soap and plenty of water.

If symptoms persist, call a physician.

In case of eye contact : Remove contact lenses.

Keep eye wide open while rinsing.

If eye irritation persists, consult a specialist.

If swallowed : Clean mouth with water and drink afterwards plenty of water.

Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

Obtain medical attention.

Most important symptoms

and effects, both acute and

delayed

: sensitising effects Allergic reactions

See Section 11 for more detailed information on health effects

and symptoms.

Notes to physician : Treat symptomatically.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local

circumstances and the surrounding environment.

Physicochemical hazards arising from the chemical

Hazardous combustion

products

: No hazardous combustion products are known

Special protective equipment and precautions for fire-fighters

Special protective equipment

for firefighters

: In the event of fire, wear self-contained breathing apparatus.

Specific extinguishing

methods

: Standard procedure for chemical fires.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

: Use personal protective equipment. Deny access to unprotected persons.

Environmental precautions : Do not flush into surface water or sanitary sewer system.

Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel,

acid binder, universal binder, sawdust).

Keep in suitable, closed containers for disposal.

SECTION 7: Handling and storage

Handling

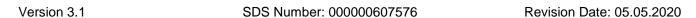
Precautions for safe handling

fire and explosion

Advice on protection against : Normal measures for preventive fire protection.

Advice on safe handling : Do not breathe vapours or spray mist.

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Avoid exceeding the given occupational exposure limits (see

section 8).

Do not get in eyes, on skin, or on clothing. For personal protection see section 8.

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is

being used.

Smoking, eating and drinking should be prohibited in the

application area.

Follow standard hygiene measures when handling chemical

products

Storage

Conditions for safe storage, including any incompatibilities

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated

place.

Store in accordance with local regulations.

SECTION 8: Exposure controls and personal protection

Control parameters

Contains no substances with occupational exposure limit values.

Individual protection measures, such as personal protective equipment

Eye/face protection : Safety eyewear complying with an approved standard should

be used when a risk assessment indicates this is necessary.

Skin protection : Choose body protection in relation to its type, to the

concentration and amount of dangerous substances, and to

the specific work-place.

Hand protection : Chemical-resistant, impervious gloves complying with an

approved standard should be worn at all times when handling

chemical products if a risk assessment indicates this is

necessary.

Respiratory protection : Use respiratory protection unless adequate local exhaust

ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. The filter class for the respirator must be suitable for the

maximum expected contaminant concentration

(gas/vapour/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-

contained breathing apparatus must be used.

Hygiene measures : Handle in accordance with good industrial hygiene and safety

practice.

When using do not eat or drink. When using do not smoke.

Wash hands before breaks and at the end of workday.

SECTION 9: Physical and chemical properties

Appearance : paste
Colour : various
Odour : odourless
Odour Threshold : No data available

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pH : Not applicable Melting point/range / Freezing : No data available

point

Boiling point/boiling range : No data available

Flash point : $> 150 \, ^{\circ}\text{C} \, (302 \, ^{\circ}\text{F})$

Method: closed cup

Evaporation rate : No data available

Flammability : No data available

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : 0.01 hPa (0.01 mmHg)

Relative vapour density : No data available

Density : ca. 1.36 g/cm3 (20 °C (68 °F) ())

Solubility(ies)

Water solubility : insoluble

Partition coefficient: n-

octanol/water

: No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity

Viscosity, dynamic : Not applicable

Viscosity, kinematic : Not applicable

Explosive properties : No data available

Molecular weight : No data available

SECTION 10: Stability and reactivity

Reactivity : No dangerous reaction known under conditions of normal use.

Chemical stability : The product is chemically stable.
Possibility of hazardous : No hazards to be specially mentioned.

reactions

Conditions to avoid : No data available Incompatible materials : No data available No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

Information on likely routes of : None known.

exposure

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Acute toxicity

Not classified based on available information.

Components:

Hardener LI (Isophoronedialdimine):

Acute oral toxicity : LD50 Oral (Rat): > 2,000 mg/kg

Acute dermal toxicity : LD50 Dermal (Rabbit): > 2,000 mg/kg

Skin corrosion/irritation

Not classified based on available information.

Serious eye damage/eye irritation

Not classified based on available information.

Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

SECTION 12: Ecological information

Ecotoxicity

Components:

Reaction product of Hexamethylene diisocyanate, oligomers with Mercaptopropyltrimethoxysilane:

Toxicity to fish : LC50 (Brachydanio rerio (zebrafish)): > 100 mg/l

Exposure time: 96 h

Method: OECD Test Guideline 203

aquatic invertebrates

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 100 mg/l

Exposure time: 48 h

Method: OECD Test Guideline 202

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (algae)): > 100 mg/l

Exposure time: 72 h

Method: OECD Test Guideline 201

Hardener LI (Isophoronedialdimine):

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Toxicity to fish : LC50 (Fish): 87.2 mg/l

Exposure time: 96 h

Toxicity to daphnia and other

aquatic invertebrates

: EC50 (Daphnia (water flea)): > 100 mg/l

Exposure time: 48 h

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): 180.4 mg/l

Exposure time: 72 h

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

Product:

Additional ecological

information

: There is no data available for this product.

SECTION 13: Disposal information

Disposal methods

Waste from residues : Do not contaminate ponds, waterways or ditches with

chemical or used container.

Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.

Dispose of as unused product. Do not re-use empty containers.

SECTION 14: Transport information

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

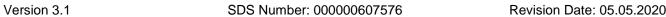
IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

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SECTION 15: Regulatory information

Safety, health, and environmental regulations specific for the hazardous chemical

Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013.

Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulations 2000.

International Chemical Weapons Convention (CWC) : Not applicable

Schedules of Toxic Chemicals and Precursors

SECTION 16: Other information

Date format : dd.mm.yyyy

The information contained in this Safety Data 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 product data sheet prior to any use and processing.

Changes as compared to previous version!