## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Trade name : Sikasil®-670 Fire

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Product use : Sealant/adhesive

### 1.3 Details of the supplier of the safety data sheet

| | | |
|---|---|---|
| Company name of supplier | : | Sika Norge AS<br>Sanitetsveien 1<br>2013 Skjetten |
| Telephone | : | +47 67 06 79 00 |
| E-mail address of person responsible for the SDS | : | kundeservice@no.sika.com |

### 1.4 Emergency telephone number

Giftinformasjonen: 22 59 13 00

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification (REGULATION (EC) No 1272/2008)**

Eye irritation, Category 2 H319: Causes serious eye irritation.

### 2.2 Label elements

**Labelling (REGULATION (EC) No 1272/2008)**

Hazard pictograms :

Signal word : Warning

Hazard statements : H319 Causes serious eye irritation.

Precautionary statements :

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
**Prevention:**
P264 Wash skin thoroughly after handling.
P280 Wear eye protection/ face protection.
**Response:**
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/

attention.

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

**Components**

| Chemical name | CAS-No.<br>EC-No.<br>Index-No.<br>Registration number | Classification | Concentration (% w/w) |
|---|---|---|---|
| bis(ethyl acetoacetato-O1',O3)bis(2-methylpropan-1-olato)titanium<br>Contains:<br>2-methylpropan-1-ol <= 2 % | 83877-91-2<br>281-161-6<br>01-2119968551-31-XXXX | Flam. Liq. 3; H226<br>Skin Irrit. 2; H315<br>Eye Dam. 1; H318<br>STOT SE 3; H335 (Respiratory system)<br>STOT SE 3; H336 (Central nervous system) | >= 1 - < 2,5 |
| methanol | 67-56-1<br>200-659-6<br>603-001-00-X<br>01-2119433307-44-XXXX | Flam. Liq. 2; H225<br>Acute Tox. 3; H301<br>Acute Tox. 3; H331<br>Acute Tox. 3; H311<br>STOT SE 1; H370<br>---<br>specific concentration limit<br>STOT SE 1; H370<br>>= 10 %<br><br>STOT SE 2; H371<br>3 - < 10 % | >= 0,1 - < 0,5 |

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of 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.
Wash off with soap and plenty of water.
If symptoms persist, call a physician.

In case of eye contact : Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

If swallowed : Do not induce vomiting without medical advice.
Rinse mouth with water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.

### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms : Excessive lachrymation
See Section 11 for more detailed information on health effects and symptoms.

Risks : irritant effects

Causes serious eye irritation.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : In case of fire, use water/water spray/water jet/carbon dioxide/sand/foam/alcohol resistant foam/chemical powder for extinction.

### 5.2 Special hazards arising from the substance or mixture

Hazardous combustion products : No hazardous combustion products are known

### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Standard procedure for chemical fires.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.

Deny access to unprotected persons.

**6.2 Environmental precautions**

Environmental precautions : If the product contaminates rivers and lakes or drains inform respective authorities.
No special environmental precautions required.

**6.3 Methods and material for containment and cleaning up**

Methods for 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.

**6.4 Reference to other sections**

For personal protection see section 8.

## SECTION 7: Handling and storage

**7.1 Precautions for safe handling**

Advice on safe handling : 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.
Smoking, eating and drinking should be prohibited in the application area.
Follow standard hygiene measures when handling chemical products

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

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.

**7.2 Conditions for safe storage, including any incompatibilities**

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Store in accordance with local regulations.

Further information on storage stability : No decomposition if stored and applied as directed.

**7.3 Specific end use(s)**

Specific use(s) : Consult most current local Product Data Sheet prior to any use.

## SECTION 8: Exposure controls/personal protection

**8.1 Control parameters**

**Occupational Exposure Limits**

| Components | CAS-No. | Value type (Form of exposure) | Control parameters * | Basis * |
|---|---|---|---|---|
| methanol | 67-56-1 | TWA | 200 ppm<br>260 mg/m3 | 2006/15/EC |
| | Further information: Indicative, Identifies the possibility of signifi- | | | |

| | | | | |
|---|---|---|---|---|
| | cant uptake through the skin | | | |
| | | TWA | 100 ppm<br>130 mg/m3 | FOR-2011-12-06-1358 |
| | Further information: The EU has set an indicative limit value and/or a remark for this substance, Chemicals that can be absorbed through the skin. | | | |

*The above mentioned values are in accordance with the legislation in effect at the date of the release of this safety data sheet.

**Occupational exposure limits of decomposition products**

| Components | CAS-No. | Value type (Form of exposure) | Control parameters * | Basis * |
|---|---|---|---|---|
| methanol | 67-56-1 | TWA | 200 ppm<br>260 mg/m3 | 2006/15/EC |
| | Further information: Indicative, Identifies the possibility of significant uptake through the skin | | | |
| | | TWA | 100 ppm<br>130 mg/m3 | FOR-2011-12-06-1358 |
| | Further information: The EU has set an indicative limit value and/or a remark for this substance, Chemicals that can be absorbed through the skin. | | | |

*The above mentioned values are in accordance with the legislation in effect at the date of the release of this safety data sheet.

**Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:**

| Substance name | End Use | Exposure routes | Potential health effects | Value |
|---|---|---|---|---|
| methanol | Workers | Skin contact | | 40 mg/m3 |
| | Exposure time: 8 h | | | |
| | Consumers | Skin contact | | 260 mg/m3 |
| | Exposure time: 8 h | | | |

### 8.2 Exposure controls

**Appropriate engineering controls**

Maintain air concentrations below occupational exposure standards.
Ensure adequate ventilation, especially in confined areas.

**Individual protection measures, such as personal protective equipment (PPE)**

Eye/face protection : Safety glasses with side-shields conforming to EN166

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manufacturer specifications.
Suitable for short time use or protection against splashes:
Butyl rubber/nitrile rubber gloves (> 0,1 mm)
Contaminated gloves should be removed.
Suitable for permanent exposure:
Viton gloves (0.4 mm),
breakthrough time >30 min.

Skin and body protection : Protective clothing (e.g. Safety shoes acc. to EN ISO 20345, long-sleeved working clothing, long trousers). Rubber aprons and protective boots are additionally recommended for mixing and stirring work.
Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

| | | |
|---|---|---|
| Respiratory protection | : | In case of inadequate ventilation wear respiratory protection.<br>Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.<br>organic vapor filter (Type A)<br>A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm<br>Ensure adequate ventilation. This can be achieved by local exhaust extraction or by general ventilation. (EN 689 - Methods for determining inhalation exposure). This applies in particular to the mixing / stirring area. In case this is not sufficent to keep the concentrations under the occupational exposure limits then respiration protection measures must be used. |

**Environmental exposure controls**

| | | |
|---|---|---|
| General advice | : | If the product contaminates rivers and lakes or drains inform respective authorities.<br>No special environmental precautions required. |

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

| | | |
|---|---|---|
| Physical state | : | liquid |
| Form | : | paste |
| Colour | : | various |
| Odour | : | No data available |
| Melting point/ range / Freezing point | : | No data available |
| Boiling point/boiling range | : | No data available |
| Flammability (solid, gas) | : | No data available |

**Upper/lower flammability or explosive limits**

| | | |
|---|---|---|
| Upper explosion limit / Upper flammability limit | : | No data available |
| Lower explosion limit / Lower flammability limit | : | No data available |
| Flash point | : | > 93 °C<br>Method: closed cup |
| Auto-ignition temperature | : | No data available |
| Decomposition temperature | : | No data available |
| pH | : | Not applicable<br>substance/mixture is non-soluble (in water) |

**Viscosity**

| | | |
|---|---|---|
| Viscosity, kinematic | : | > 30 mm2/s (40 °C) |

**Solubility(ies)**

| | | |
|---|---|---|
| Water solubility | : | insoluble |
| Partition coefficient: n-octanol/water | : | No data available |
| Vapour pressure | : | 0,01 hPa |
| Density | : | ca. 1,35 g/cm3 (20 °C) |
| Relative vapour density | : | No data available |
| Particle characteristics | : | No data available |

**9.2 Other information**
No data available

## SECTION 10: Stability and reactivity

**10.1 Reactivity**
No dangerous reaction known under conditions of normal use.
**10.2 Chemical stability**
The product is chemically stable.
**10.3 Possibility of hazardous reactions**
Hazardous reactions : No hazards to be specially mentioned.

**10.4 Conditions to avoid**
Conditions to avoid : No data available

**10.5 Incompatible materials**
Materials to avoid : No data available

**10.6 Hazardous decomposition products**
Hazardous decomposition products : methanol

:
No hazardous decomposition products are known.

## SECTION 11: Toxicological information

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
**Acute toxicity**
Not classified due to lack of data.
**Skin corrosion/irritation**
Not classified due to lack of data.
**Serious eye damage/eye irritation**
Causes serious eye irritation.

**Respiratory or skin sensitisation**
**Skin sensitisation**
Not classified due to lack of data.

**Respiratory sensitisation**

Not classified due to lack of data.
**Germ cell mutagenicity**
Not classified due to lack of data.

**Carcinogenicity**

Not classified due to lack of data.
**Reproductive toxicity**
Not classified due to lack of data.

**STOT - single exposure**

Not classified due to lack of data.
**STOT - repeated exposure**
Not classified due to lack of data.
**Aspiration hazard**
Not classified due to lack of data.

**11.2 Information on other hazards**
**Endocrine disrupting properties**
Not classified due to lack of data.
**Product:**

| | | |
|---|---|---|
| Assessment | : | The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. |

## SECTION 12: Ecological information

**12.1 Toxicity**
No data available
**12.2 Persistence and degradability**
No data available
**12.3 Bioaccumulative potential**
No data available
**12.4 Mobility in soil**
No data available
**12.5 Results of PBT and vPvB assessment**
**Product:**

| | | |
|---|---|---|
| Assessment | : | This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.. |

**12.6 Endocrine disrupting properties**
**Product:**

| | | |
|---|---|---|
| Assessment | : | The substance/mixture does not contain components considered to have endocrine disrupting properties according to |

REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**12.7 Other adverse effects**

**Product:**

Additional ecological information : There is no data available for this product.

## SECTION 13: Disposal considerations

**13.1 Waste treatment methods**

Product : The generation of waste should be avoided or minimized wherever possible.
Empty containers or liners may retain some product residues.
This material and its container must be disposed of in a safe way.
Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.
Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Waste Code : 7051

European Waste Catalogue : 08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances

Contaminated packaging : 15 01 10* packaging containing residues of or contaminated by dangerous substances

## SECTION 14: Transport information

**14.1 UN number or ID number**

**ADR** : Not regulated as a dangerous good

**IMDG** : Not regulated as a dangerous good

**IATA** : Not regulated as a dangerous good

**14.2 UN proper shipping name**

**ADR** : Not regulated as a dangerous good

**IMDG** : Not regulated as a dangerous good

**IATA** : Not regulated as a dangerous good

**14.3 Transport hazard class(es)**

**ADR** : Not regulated as a dangerous good

**IMDG** : Not regulated as a dangerous good

| | | |
|---|---|---|
| **IATA** | : | Not regulated as a dangerous good |

**14.4 Packing group**

| | | |
|---|---|---|
| **ADR** | : | Not regulated as a dangerous good |
| **IMDG** | : | Not regulated as a dangerous good |
| **IATA (Cargo)** | : | Not regulated as a dangerous good |
| **IATA (Passenger)** | : | Not regulated as a dangerous good |

**14.5 Environmental hazards**
Not regulated as a dangerous good

**14.6 Special precautions for user**
Not applicable

**14.7 Maritime transport in bulk according to IMO instruments**
Not applicable for product as supplied.

## SECTION 15: Regulatory information

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors : Not applicable

REACH Information: All substances contained in our Products are
- registered by our upstream suppliers, and/or
- registered by us, and/or
- excluded from the regulation, and/or
- exempted from the registration.

| | | |
|---|---|---|
| REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) | : | Conditions of restriction for the following entries should be considered:<br>Number on list 3<br><br>Number on list 40<br>This substance/mixture shall not be used in aerosol dispensers intended for supply to the general public for entertainment and decorative purposes.<br><br>Number on list 75 |
| REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). | : | None of the components are listed (=> 0.1 %). |
| REACH - List of substances subject to authorisation (Annex XIV) | : | Not applicable |
| Regulation (EU) No 2024/590 on substances that deplete the ozone layer | : | Not applicable |

| | | |
|---|---|---|
| Regulation (EU) 2019/1021 on persistent organic pollutants (recast) | : | Not applicable |
| Regulation (EU) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals | : | Not applicable |

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.
Not applicable

| | | |
|---|---|---|
| Volatile organic compounds | : | Ordinance on the Incentive Tax on Volatile Organic Compounds (OVOC)<br>Volatile organic compounds (VOC) content: <= 3% w/w<br>no VOC duties<br><br>Directive 2010/75/EU of 24 November 2010 on industrial and livestock rearing emissions (integrated pollution prevention and control)<br>Volatile organic compounds (VOC) content: 0,21% w/w |

**15.2 Chemical safety assessment**
No Chemical Safety Assessment has been carried out for this mixture by the supplier.

## SECTION 16: Other information

**Full text of H-Statements**

| | | |
|---|---|---|
| H225 | : | Highly flammable liquid and vapour. |
| H226 | : | Flammable liquid and vapour. |
| H301 | : | Toxic if swallowed. |
| H311 | : | Toxic in contact with skin. |
| H315 | : | Causes skin irritation. |
| H318 | : | Causes serious eye damage. |
| H331 | : | Toxic if inhaled. |
| H335 | : | May cause respiratory irritation. |
| H336 | : | May cause drowsiness or dizziness. |
| H370 | : | Causes damage to organs. |

**Full text of other abbreviations**

| | | |
|---|---|---|
| Acute Tox. | : | Acute toxicity |
| Eye Dam. | : | Serious eye damage |
| Flam. Liq. | : | Flammable liquids |
| Skin Irrit. | : | Skin irritation |
| STOT SE | : | Specific target organ toxicity - single exposure |
| 2006/15/EC | : | Europe. Indicative occupational exposure limit values |
| FOR-2011-12-06-1358 | : | Norway. Occupational Exposure limits |
| 2006/15/EC / TWA | : | Limit Value - eight hours |
| FOR-2011-12-06-1358 / TWA | : | Long term exposure limit |
| ADR | : | European Agreement concerning the International Carriage of |

| | | |
|---|---|---|
| | | Dangerous Goods by Road |
| CAS | : | Chemical Abstracts Service |
| DNEL | : | Derived no-effect level |
| EC50 | : | Half maximal effective concentration |
| GHS | : | Globally Harmonized System |
| IATA | : | International Air Transport Association |
| IMDG | : | International Maritime Code for Dangerous Goods |
| LD50 | : | Median lethal dosis (the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals) |
| LC50 | : | Median lethal concentration (concentrations of the chemical in air that kills 50% of the test animals during the observation period) |
| MARPOL | : | International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978 |
| OEL | : | Occupational Exposure Limit |
| PBT | : | Persistent, bioaccumulative and toxic |
| PNEC | : | Predicted no effect concentration |
| REACH | : | Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency |
| SVHC | : | Substances of Very High Concern |
| vPvB | : | Very persistent and very bioaccumulative |

**Further information**

| **Classification of the mixture:** | | **Classification procedure:** |
|---|---|---|
| Eye Irrit. 2 | H319 | Calculation method |

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 !

NO / EN