



1. Identification

| | | |
|---------------------------------------------------------|---|----------------------------------------------------------------------------------------|
| Product name | : | Sika AnchorFix®-1 Part A |
| Supplier | : | Sika Corporation 201 Polito Avenue Lyndhurst, NJ 07071 USA www.sikausa.com |
| Telephone | : | (201) 933-8800 |
| Telefax | : | (201) 804-1076 |
| E-mail address | : | ehs@sika-corp.com |
| Emergency telephone | : | CHEMTREC: 800-424-9300 INTERNATIONAL: 703-527-3887 |
| Recommended use of the chemical and restrictions on use | : | For further information, refer to product data sheet. |

2. Hazards identification

GHS Classification

| | |
|--------------------------------------------------------------------------------|-----------------------------------------------------------------------|
| Flammable liquids, Category 3 | H226: Flammable liquid and vapor. |
| Carcinogenicity, Category 1A (Inhalation) | H350i: May cause cancer by inhalation. |
| Specific target organ systemic toxicity - repeated exposure, Category 1, Lungs | H372: Causes damage to organs through prolonged or repeated exposure. |

GHS label elements

| | | |
|--------------------------|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazard pictograms | : | |
| Signal Word | : | Danger |
| Hazard Statements | : | H226 Flammable liquid and vapor. H350i May cause cancer by inhalation. H372 Causes damage to organs (Lungs) through prolonged or repeated exposure. |
| Precautionary Statements | : | P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P103 Read label before use. Prevention: P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read |



and understood.
 P210 Keep away from heat/sparks/open flames/hot surfaces.
 No smoking.
 P233 Keep container tightly closed.
 P240 Ground/bond container and receiving equipment.
 P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
 P242 Use only non-sparking tools.
 P243 Take precautionary measures against static discharge.
 P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.
 P264 Wash skin thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P280 Wear protective gloves/ eye protection/ face protection.
 P281 Use personal protective equipment as required.

Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P308 + P313 IF exposed or concerned: Get medical advice/ attention.
 P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.
 P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

See Section 11 for more detailed information on health effects and symptoms.
 There are no hazards not otherwise classified that have been identified during the classification process.
 There are no ingredients with unknown acute toxicity used in a mixture at a concentration $\geq 1\%$.

3. Composition/information on ingredients

Hazardous ingredients

| Chemical name | CAS-No. | Concentration (%) |
|----------------------------|------------|----------------------|
| Quartz (SiO ₂) | 14808-60-7 | ≥ 25 - < 50 % |
| vinyltoluene | 25013-15-4 | ≥ 10 - < 20 % |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First aid measures

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 induce vomiting without medical advice. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. |
| Most important symptoms and effects, both acute and delayed | : carcinogenic effects See Section 11 for more detailed information on health effects and symptoms. May cause cancer by inhalation. Causes damage to organs through prolonged or repeated exposure. |
| Protection of first-aiders | : Move out of dangerous area. Consult a physician. Show this material safety data sheet to the doctor in attendance. |
| Notes to physician | : Treat symptomatically. |

5. Fire-fighting measures

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| Suitable extinguishing media | : Alcohol-resistant foam Carbon dioxide (CO ₂) Dry chemical |
| Unsuitable extinguishing media | : Water High volume water jet |
| Specific hazards during fire fighting | : Do not use a solid water stream as it may scatter and spread fire. |
| Specific extinguishing methods | : Use water spray to cool unopened containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |
| Special protective equipment for fire-fighters | : In the event of fire, wear self-contained breathing apparatus. |

6. Accidental release measures

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| Personal precautions, | : Use personal protective equipment. |
|-----------------------|--------------------------------------|



- protective equipment and emergency procedures : Remove all sources of ignition.
Deny access to unprotected persons.
Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

- Environmental precautions : Prevent product from entering drains.
If the product contaminates rivers and lakes or drains inform respective authorities.
Local authorities should be advised if significant spillages cannot be contained.

- Methods and materials for containment and cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

7. Handling and storage

- Advice on safe handling : Do not breathe vapors or spray mist.
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.
Take precautionary measures against static discharge.
Open drum carefully as content may be under pressure.
Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).
Follow standard hygiene measures when handling chemical products.

- Conditions for safe storage : Prevent unauthorized access.
Store in original container.
Keep in a well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Observe label precautions.
Store in accordance with local regulations.

- Materials to avoid : No data available

8. Exposure controls/personal protection

| Component | CAS-No. | Basis ** | Value | Exposure limit(s)* / Form of exposure |
|----------------------------|------------|----------|-------|--------------------------------------------------------|
| Quartz (SiO ₂) | 14808-60-7 | OSHA Z-3 | TWA | 10 mg/m ³ / %SiO ₂ +2 respirable |
| | | OSHA Z-3 | TWA | 250 mppcf / %SiO ₂ +5 |



| | | | | |
|-----------------|------------|----------|------|------------------------------------------------|
| | | | | respirable |
| | | OSHA P0 | TWA | 0.1 mg/m3 Respirable fraction |
| | | ACGIH | TWA | 0.025 mg/m3 Respirable fraction |
| | | OSHA Z-1 | TWA | 0.05 mg/m3 Respirable dust |
| vinyltoluene | 25013-15-4 | ACGIH | TWA | 50 ppm |
| | | ACGIH | STEL | 100 ppm |
| | | OSHA Z-1 | TWA | 100 ppm 480 mg/m3 |
| | | OSHA P0 | TWA | 100 ppm 480 mg/m3 |
| silicon dioxide | 7631-86-9 | OSHA Z-3 | TWA | 20 Million particles per cubic foot Dust |
| | | OSHA Z-3 | TWA | 80 mg/m3 / %SiO2 Dust |
| | | OSHA Z-3 | TWA | 20 Million particles per cubic foot Dust |
| | | OSHA Z-3 | TWA | 80 mg/m3 / %SiO2 Dust |

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

****Basis**

ACGIH. Threshold Limit Values (TLV)

OSHA P0. Table Z-1, Limit for Air Contaminat (1989 Vacated Values)

OSHA P1. Permissible Exposure Limits (PEL), Table Z-1, Limit for Air Contaminant

OSHA P2. Permissible Exposure Limits (PEL), Table Z-2

OSHA Z3. Table Z-3, Mineral Dust

Engineering measures

: Use of adequate ventilation should be sufficient to control worker exposure to airborne contaminants. If the use of this product generates dust, fumes, gas, vapor or mist, use



process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.
The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits.

Personal protective equipment

- Respiratory protection** : Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.
- The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.
- Hand protection**
Remarks : 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.
- Eye protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.
- Skin and body protection** : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
- Hygiene measures** : Avoid contact with skin, eyes and clothing.
Wash hands before breaks and immediately after handling the product.
Remove respiratory and skin/eye protection only after vapors have been cleared from the area.
Remove contaminated clothing and protective equipment before entering eating areas.

9. Physical and chemical properties

- Appearance** : liquid
- Color** : beige
- Odor** : aromatic
- Odor Threshold** : No data available
- Flash point** : 127 °F (53 °C)
- Ignition temperature** : No data available
- Decomposition temperature** : No data available



| | | |
|---------------------------------------------|---|---------------------------------------|
| Lower explosion limit (Vol%) | : | No data available |
| Upper explosion limit (Vol%) | : | No data available |
| Flammability (solid, gas) | : | No data available |
| Oxidizing properties | : | No data available |
| pH | : | Note: Not applicable |
| Melting point/range / Freezing point | : | No data available |
| Initial boiling point and boiling range | : | > 329 °F (> 165 °C) |
| Vapor pressure | : | ca.5 mmHg (6 hpa) at 68 °F (20 °C) |
| Density | : | ca.1.7 g/cm3 at 68 °F (20 °C) |
| Water solubility | : | Note: insoluble |
| Partition coefficient: n- octanol/water | : | No data available |
| Viscosity, dynamic | : | No data available |
| Viscosity, kinematic | : | > 20.5 mm2/s at 104 °F (40 °C) |
| Relative vapor density | : | No data available |
| Evaporation rate | : | No data available |
| Burning rate | : | No data available |
| Volatile organic compounds (VOC) content | : | 36 g/l A+B Combined |

10. Stability and reactivity

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|---------------------------------------|---|---------------------------------------------------------------------------------------------|
| Reactivity | : | No dangerous reaction known under conditions of normal use. |
| Chemical stability | : | The product is chemically stable. |
| Possibility of hazardous reactions | : | Stable under recommended storage conditions. Vapors may form explosive mixture with air. |
| Conditions to avoid | : | Heat, flames and sparks. |
| Incompatible materials | : | No data available |



11. Toxicological information

Not classified based on available information.

Skin corrosion/irritation

Not classified based on available information.

Product:

Method: OECD Test Guideline 439

Result: No skin irritation

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Result: No eye irritation

Method: in vitro eye irritation test

Respiratory or skin sensitization

Skin sensitization: Not classified based on available information.

Respiratory sensitization: Not classified based on available information.

Germ cell mutagenicity

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

Causes damage to organs (Lungs) through prolonged or repeated exposure.

Aspiration toxicity

Not classified based on available information.

Carcinogenicity

May cause cancer by inhalation.

IARC

Group 1: Carcinogenic to humans

Quartz (SiO₂) 14808-60-7

Group 2B: Possibly carcinogenic to humans

NTP

titanium dioxide 13463-67-7

Known to be human carcinogen

Quartz (SiO₂) 14808-60-7

Titanium dioxide (13463-67-7)

In lifetime inhalation studies of rats, airborne respirable-size titanium dioxide particles have been shown to cause an increase in lung tumors at concentrations associated with substantial particle lung burdens and consequential pulmonary overload and inflammation. The potential for these adverse health effects appears to be closely related to the particle size and the amount of the exposed surface area that comes into contact with the lung. However, tests with other laboratory animals such as mice and hamsters, indicate that rats are significantly more susceptible to the



pulmonary overload and inflammation that cause lung cancer. Epidemiology studies do not suggest an increased risk of cancer in humans from occupational exposure to titanium dioxide. Titanium dioxide has been characterized by IARC as possibly carcinogenic to humans (Group 2B) through inhalation (not ingestion). It has not been characterized as a potential carcinogen by either NTP or OSHA.

12. Ecological information

| | |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Other information | Do not empty into drains; dispose of this material and its container in a safe way. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

13. Disposal considerations

Disposal methods

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|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Waste from residues | : 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. |
| Contaminated packaging | : Empty containers should be taken to an approved waste handling site for recycling or disposal. |

14. Transport information

DOT

| | |
|--------------------------|----------------|
| UN number | 1866 |
| Description of the goods | Resin solution |
| Class | 3 |
| Packing group | III |
| Labels | 3 |
| Emergency Response | 127 |
| Guidebook Number | |

IATA

| | |
|------------------------------------------|----------------|
| UN number | 1866 |
| Description of the goods | Resin solution |
| Class | 3 |
| Packing group | III |
| Labels | 3 |
| Packing instruction (cargo aircraft) | 366 |
| Packing instruction (passenger aircraft) | 355 |
| Packing instruction (passenger aircraft) | Y344 |

**IMDG**

| | |
|--------------------------|----------------|
| UN number | 1866 |
| Description of the goods | RESIN SOLUTION |
| Class | 3 |
| Packing group | III |
| Labels | 3 |
| EmS Number 1 | F-E |
| EmS Number 2 | S-E |

| | |
|------------------|----|
| Marine pollutant | no |
|------------------|----|

DOT: For Limited Quantity exceptions reference 49 CFR 173.150 (b)

IMDG: For Limited Quantity special provisions reference IMDG Code Chapter 3.4

Special precautions for user

No data available

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

Not applicable

15. Regulatory information

TSCA list : All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

EPCRA - Emergency Planning and Community Right-to-Know**CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

SARA304 Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Fire Hazard
Chronic Health Hazard

SARA 302 : This material does not contain any components with a section 302 EHS TPQ.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act**Ozone-Depletion Potential**


This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).



This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

California Prop 65

 **WARNING:** Cancer – www.P65Warnings.ca.gov

16. Other information

HMIS Classification

| | | |
|----------------------------|---|---|
| Health | * | 3 |
| Flammability | | 2 |
| Physical Hazard | | 0 |
| Personal Protection | | X |

Caution: HMIS® rating is based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® rating is not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® rating is to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). Please note HMIS® attempts to convey full health warning information to all employees.

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Revision Date 06/01/2017

Material number: 447413