

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/11/2020

Reviewed on 06/11/2020

1 Identification

- **Product identifier**
- **Trade name:** SikaBiresin AP077 (P77) WHITE
- **Article number:** I077088-2
- **Application of the substance / the mixture** Polyester filler
- **Details of the supplier of the safety data sheet**
Sika Advanced Resins, US
EHS Department
- **Manufacturer/Supplier:**
Supplier's Name: Sika Advanced Resins, US
Headquarters:
30800 Stephenson Hwy
Madison Heights, MI 48071
USA

advancedresins.ehs@us.sika.com
- **Information department:** Product safety department
- **Emergency telephone number:**
During normal opening times: +1 (248) 588-2270
CHEMTREC 24-hour Emergency: +1 (800) 424-9300



2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flam. Liq. 3 H226 Flammable liquid and vapor.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS02



GHS07

- **Signal word** Warning

(Contd. on page 2)

Safety Data Sheet
acc. to OSHA HCS

Printing date 06/11/2020

Reviewed on 06/11/2020

Trade name: SikaBiresin AP077 (P77) WHITE

(Contd. of page 1)

· Hazard statements

- Flammable liquid and vapor.
- Causes skin irritation.
- Causes serious eye irritation.

· Precautionary statements

- Avoid breathing dust/fume/gas/mist/vapors/spray
- Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- Keep container tightly closed.
- Ground/bond container and receiving equipment.
- Use explosion-proof electrical/ventilating/lighting/equipment.
- Use only non-sparking tools.
- Wear protective gloves/protective clothing/eye protection/face protection.
- If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Store in a well-ventilated place. Keep cool.
- Dispose of contents/container in accordance with local/regional/national/international regulations.

· Classification system:

· NFPA ratings (scale 0 - 4)



· HMIS-ratings (scale 0 - 4)



· Other hazards

· Results of PBT and vPvB assessment

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

· Chemical characterization: Mixtures

· Description: Mixture of the substances listed below with nonhazardous additions.

· Dangerous components:

| | | |
|--------------------------------------|---------------------|--------|
| CAS: 25013-15-4 EINECS: 246-562-2 | Vinyl toluene | 10-20% |
| CAS: 108-32-7 EINECS: 203-572-1 | propylene carbonate | 1-5% |

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/11/2020

Reviewed on 06/11/2020

Trade name: SikaBiresin AP077 (P77) WHITE

(Contd. of page 2)

| | |
|-------------------|--|
| CAS: 3077-12-1 | 2,2'-[(4-methylphenyl)imino]bisethanol |
| EINECS: 221-359-1 | |

0.1-1%

4 First-aid measures

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

(Contd. on page 4)

US

Safety Data Sheet
acc. to OSHA HCS

Printing date 06/11/2020

Reviewed on 06/11/2020

Trade name: SikaBiresin AP077 (P77) WHITE

(Contd. of page 3)

· Protective Action Criteria for Chemicals

| | | |
|-----------------|---------------------|-------------------------|
| · PAC-1: | | |
| 108-32-7 | propylene carbonate | 34 mg/m ³ |
| · PAC-2: | | |
| 108-32-7 | propylene carbonate | 370 mg/m ³ |
| · PAC-3: | | |
| 108-32-7 | propylene carbonate | 2,200 mg/m ³ |

7 Handling and storage

- Handling:**
- Precautions for safe handling** No special precautions are necessary if used correctly.
- Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- Conditions for safe storage, including any incompatibilities**
- Storage:**
- Requirements to be met by storerooms and receptacles:** No special requirements.
- Information about storage in one common storage facility:** Not required.
- Further information about storage conditions:** Keep receptacle tightly sealed.
- Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- Additional information about design of technical systems:** No further data; see item 7.
- Control parameters**
- Components with limit values that require monitoring at the workplace:**
The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.
At this time, the other constituents have no known exposure limits.

25013-15-4 Vinyl toluene

| | |
|-----|---|
| PEL | Long-term value: 480 mg/m ³ , 100 ppm |
| REL | Long-term value: 480 mg/m ³ , 100 ppm |
| TLV | Short-term value: 483 mg/m ³ , 100 ppm |
| | Long-term value: 242 mg/m ³ , 50 ppm |

- Additional information:** The lists that were valid during the creation were used as basis.
- Exposure controls**
- Personal protective equipment:**
- General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.

(Contd. on page 5)

Safety Data Sheet
acc. to OSHA HCS

Printing date 06/11/2020

Reviewed on 06/11/2020

Trade name: SikaBiresin AP077 (P77) WHITE

(Contd. of page 4)

- Immediately remove all soiled and contaminated clothing.*
- Wash hands before breaks and at the end of work.*
- Avoid contact with the eyes and skin.*
- **Breathing equipment:** *Not required.*
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Thixotropic Paste

Color: White

· **Odor:** Pungent

· **Odor threshold:** Not determined.

· **pH-value:** Not determined.

· **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 170 °C (338 °F)

· **Flash point:** 53 °C (127.4 °F)

· **Flammability (solid, gaseous):** Not applicable.

(Contd. on page 6)

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/11/2020

Reviewed on 06/11/2020

Trade name: SikaBiresin AP077 (P77) WHITE

(Contd. of page 5)

| | |
|---|--|
| · Decomposition temperature: | Not determined. |
| · Auto igniting: | Product is not selfigniting. |
| · Danger of explosion: | Product is not explosive. However, formation of explosive air/vapor mixtures are possible. |
| · Explosion limits: | |
| Lower: | Not determined. |
| Upper: | Not determined. |
| · Vapor pressure: | Not determined. |
| · Density at 20 °C (68 °F): | 1.57 g/cm ³ (13.1 lbs/gal) |
| · Relative density | Not determined. |
| · Vapor density | Not determined. |
| · Evaporation rate | Not determined. |
| · Solubility in / Miscibility with Water: | Fully miscible. |
| · Partition coefficient (n-octanol/water): | Not determined. |
| · Viscosity: | |
| Dynamic: | Not determined. |
| Kinematic: | Not determined. |
| · Solvent content: | |
| Organic solvents: | 18.8 % |
| VOC content: | 17.47 % |
| | 274.3 g/l / 2.29 lb/gal |
| Solids content: | 52.0 % |
| · Other information | No further relevant information available. |

* 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** Carbon monoxide and carbon dioxide

US
(Contd. on page 7)

Safety Data Sheet
acc. to OSHA HCS

Printing date 06/11/2020

Reviewed on 06/11/2020

Trade name: SikaBiresin AP077 (P77) WHITE

(Contd. of page 6)

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant
- **Carcinogenic categories**

| · IARC (International Agency for Research on Cancer) | | |
|---|---------------------|----|
| 14807-96-6 | Talc (Mg3H2(SiO3)4) | 3 |
| 25013-15-4 | Vinyl toluene | 3 |
| 13463-67-7 | titanium dioxide | 2B |

- **NTP (National Toxicology Program)**
None of the ingredients is listed.
- **OSHA-Ca (Occupational Safety & Health Administration)**
None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

(Contd. on page 8)

Safety Data Sheet
acc. to OSHA HCS

Printing date 06/11/2020

Reviewed on 06/11/2020



Trade name: SikaBiresin AP077 (P77) WHITE

(Contd. of page 7)

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

- **UN-Number**
· **DOT, IMDG, IATA** UN1866
- **UN proper shipping name**
· **DOT** Resin solution
· **IMDG, IATA** RESIN SOLUTION
- **Transport hazard class(es)**
· **DOT**
- 
 - **Class** 3 Flammable liquids
 - **Label** 3
- **IMDG, IATA**
- 
 - **Class** 3 Flammable liquids
 - **Label** 3
- **Packing group**
· **DOT, IMDG, IATA** III
- **Environmental hazards:**
- **Marine pollutant:** No
- **Special precautions for user** Warning: Flammable liquids
- **Hazard identification number (Kemler code):** 30

(Contd. on page 9)

Safety Data Sheet
acc. to OSHA HCS

Printing date 06/11/2020

Reviewed on 06/11/2020

Trade name: SikaBiresin AP077 (P77) WHITE

(Contd. of page 8)

| | |
|--|---|
| · EMS Number: | <i>F-E,S-E</i> |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | <i>Not applicable.</i> |
| · Transport/Additional information: | |
| · DOT | |
| · Quantity limitations | <i>On passenger aircraft/rail: 60 L On cargo aircraft only: 220 L</i> |
| · IMDG | |
| · Limited quantities (LQ) | <i>5L</i> |
| · Excepted quantities (EQ) | <i>Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml</i> |
| · UN "Model Regulation": | <i>UN 1866 RESIN SOLUTION, 3, III</i> |

15 Regulatory information

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

| | |
|--|--|
| · Section 355 (extremely hazardous substances): | <i>None of the ingredients is listed.</i> |
| · Section 313 (Specific toxic chemical listings): | <i>None of the ingredients is listed.</i> |
| · TSCA (Toxic Substances Control Act): | <i>All components have the value ACTIVE.</i> |
| · Chemicals regulated by TSCA Section 12(b) | <i>None of the ingredients is listed.</i> |
| · Chemical regulated by TSCA 5(a)(2)rule: | <i>None of the ingredients is listed.</i> |
| · Hazardous Air Pollutants | <i>None of the ingredients is listed.</i> |
| · Proposition 65 | |
| · Chemicals known to cause cancer: | <i>13463-67-7 titanium dioxide</i> |
| · Chemicals known to cause reproductive toxicity for females: | <i>None of the ingredients is listed.</i> |
| · Chemicals known to cause reproductive toxicity for males: | <i>None of the ingredients is listed.</i> |

(Contd. on page 10)

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/11/2020

Reviewed on 06/11/2020

Trade name: SikaBiresin AP077 (P77) WHITE

(Contd. of page 9)

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

25013-15-4 Vinyl toluene

A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

13463-67-7 titanium dioxide

· **Listed in CWC Regulations**

None of the ingredients is listed.

· **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS02 GHS07

· **Signal word** Warning

· **Hazard statements**

Flammable liquid and vapor.

Causes skin irritation.

Causes serious eye irritation.

· **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Keep container tightly closed.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting/equipment.

Use only non-sparking tools.

Wear protective gloves/protective clothing/eye protection/face protection.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Store in a well-ventilated place. Keep cool.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

(Contd. on page 11)

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/11/2020

Reviewed on 06/11/2020

Trade name: SikaBiresin AP077 (P77) WHITE

(Contd. of page 10)

- **Date of preparation / last revision** 06/11/2020 / 1
- **Abbreviations and acronyms:**
 - IMDG: International Maritime Code for Dangerous Goods
 - DOT: US Department of Transportation
 - IATA: International Air Transport Association
 - ACGIH: American Conference of Governmental Industrial Hygienists
 - EINECS: European Inventory of Existing Commercial Chemical Substances
 - ELINCS: European List of Notified Chemical Substances
 - CAS: Chemical Abstracts Service (division of the American Chemical Society)
 - NFPA: National Fire Protection Association (USA)
 - HMIS: Hazardous Materials Identification System (USA)
 - VOC: Volatile Organic Compounds (USA, EU)
 - PBT: Persistent, Bioaccumulative and Toxic
 - vPvB: very Persistent and very Bioaccumulative
 - NIOSH: National Institute for Occupational Safety
 - OSHA: Occupational Safety & Health
 - TLV: Threshold Limit Value
 - PEL: Permissible Exposure Limit
 - REL: Recommended Exposure Limit
 - Flam. Liq. 3: Flammable liquids – Category 3
 - Skin Irrit. 2: Skin corrosion/irritation – Category 2
 - Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
- *** Data compared to the previous version altered.**

US



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