SMART SOURCE TECHNOLOGIES

Material Safety Data Sheet

GP Silicone Acetoxy Sealant

SECTION 1: Identification of the Product and the Company

Company name: Smart Source Technologies

Product name: SMARTNIX SST- 210A

E-mail: bsmart.source@gmail.com

SECTION 2: Hazards Identification

GHS Classification:

Skin corrosion/irritation, Category 2

Serious eye irritation, Category 2A

Hazard summary:

Physical hazards : None

Health hazards:

Inhalation : No specific symptoms noted.

Eye contact : Eye irritation.

Skin contact : Irritation

Ingestion : No data available.

Other Health Effects : No data available.

Environmental hazards : Not regarded as dangerous for the environment.

Label elements:

Hazard pictograms

Signal word : Warning

Hazard statements : H315-Causes skin irritation.

: H319-Causes serious eye irritation.

SDS No. : SST/WI QMO 0398-2018 A/1

Precautionary statements:

Prevention : P264-Wash contact parts thoroughly after handling.
: P280-Wear protective gloves/protective clothing/eye protection/ face protection.

Response : P302+P352-IF ON SKIN: Wash with plenty of soap and water.
: P305+P351+P338-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lens, if present and easy to do. Continue rinsing.
: P337+P313- If eyes irritation occurs: Get medical advice/attention.
: P332+P313-If skin irritation occurs: Get medical advice/attention.
: P362+P364-Take off contaminated clothing and wash it before reuse.

Storage : No applicable.

Disposal : No applicable.

Other hazards : Butan-1-ol (CAS: 71-36-3) and acetic acid (CAS: 64-19-7) can be formed during operation.

SECTION 3: Composition/Information on Ingredients

>>> Mixture

General information: Mixture of polydimethylsiloxanes, silica and curing agents.

Chemical name	Concentration	CAS No.
a.w-dihydroxy polydimethylsiloxane	60%	63148-62-9
Fumed Silica	10%	14464-46-1
Acid crosslinking agent	6%	64265-57-2
White oil(Industrial Grade-A)	24%	8042-47-5

Chemicalname
Distillates (petroleum), hydrotreated middle; Gasoil-unspecified Triacetoxyethylsilane Methylsilanetriyl triacetate CASNo. 647 42-46-7 176 89-77-9 425 3-34-3 GHSclassification : Aspiration hazard, Category 1. H304 : Acute toxicity(oral), Category 4. H302 : Skin corrosion/irritation, Category1B. H314 : Serious eye damage/eye irritation, Category 1. H318 : Flammable liquids, Category 4. H227 : Acute toxicity(oral), Category 4. H302 : Skin corrosion/irritation, Category1B. H314 : Serious eye damage/eye irritation, Category 1. H31

SECTION 4: First Aid Measures

General information : Get medical attention if symptoms occur. Contaminated clothing to be placed in closed container until disposal or decontamination.

SECTION 5: Firefighting measures

General fire information	: No data available.
Extinguishing media:	
Suitable extinguishing media	: Extinguish with foam, carbon dioxide or dry powder.
Unsuitable extinguishing media	: Water.
Special hazards	: Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Amorphous silica.
Advice for firefighters:	
Special fire fighting procedures	: Water spray should be used to cool containers.
Special protective equipment for fire-fighters	: Self-contained breathing apparatus and full protective clothing must be worn.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures	: Do not breathe vapor. Ventilate the area. Use personal protective equipment. See Section 8 of the SDS.
Environmental precautions	: Collect spillage. Do not discharge into drains, water courses or onto the ground.
Methods and material for containment and cleaning up	: Containers with collected spillage must be properly labelled. Keep container tightly closed. Absorb with sand or other inert absorbent. To clean the floor and all objects contaminated by

appropriate solvent. Flush area with plenty of water.

Precautions for preventing subsidiary hazard : The ground may be slippery. Avoid slipping.

SECTION 7: Handling and storage

Precautions for safe handling : Adequate ventilation should be provided. Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking. Use personal protective equipment. See Section 8 of the SDS.

Conditions for safe storage : Store in original tightly closed container. Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures. Avoid contact with oxidizing agents. Vulcanizes at room temperature on contact with moisture in the air.

Packaging materials information : Steel drums coated with epoxy-resin.

SECTION 8: Exposure controls/ personal protection

Occupational exposure limits:

Chemical name	Type	Exposure Limit values	Source
Butan-1-ol	VLE	50ppm, 150mg/m3	France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984 (01 2008)
acetic acid	TWA	10ppm, 25mg/m3	EU. Indicative Exposure and Directives relating to the protection of risks related to work exposure to chemical, physical, and biological agents. (12 2009)
	VLE	10ppm, 25mg/m3	France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984 (01 2008)

Engineering controls : Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors. Use engineering controls to reduce air contamination to permissible exposure level.

Personal protective equipment:

General information : Provide sufficient ventilation during operations which cause vapor formation.

Respiratory protection : If ventilation is insufficient, suitable respiratory protection must be provided.

Hand protection : Rubber gloves.

Eye/face protection : Safety glasses

Skin/body protection : Wear suitable protective clothing.

Hygiene measures	: Provide eyewash station and safety shower.
Environmental Controls	: No data available.

SECTION 9: Physical and Chemical Properties

Physical state Color : Paste

Odor : Clear

Odor threshold pH : Vinegar

Melting point /freezing point(°C) : No data available.

Boiling point, initial boiling point/ range(°C) Flash point(°C) : Not applicable

Flammability (solid, gas) Flammability limit-upper[%(V/V)] Flammability limit-lower [%(V/V)] : No data available.

: No data available.

: > 150 (Closed cup)

: No data available.

: No data available.

: No data available.

Vapor pressure (KPa)	: No data available.
Vapor density (air=1)	: No data available.
Evaporation rate	: No data available.
Relative density(water)	: 0.97 (20 °C) Approximate

Solubility:

Solubility (water)	: Practically Insoluble
Solubility (other)	: Acetone and Ethanol: Insoluble.

	: Petrol, White-spirit, Aromatic hydrocarbons and Chlorinated solvents: Dispersible.
Partition coefficient(n-octanol/water)	: No data available.
Autoignition temperature(°C)	: No data available.
Decomposition temperature(°C)	: No data available.
Viscosity	: No data available.
Explosive properties	: No data available.
Oxidizing properties	: Not considered as oxidizing.

SECTION 10: Stability and reactivity

Reactivity	: Vulcanises at room temperature on contact with moisture in the air.
Chemical stability	: Stable at room temperature provided it is not on contact with air.
Possibility of hazardous reactions	: No data available.
Conditions to avoid	: No data available.
Incompatible materials	: Strong oxidizing agents. Water.
Hazardous decomposition products	: Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Amorphous silica.

SECTION 11: Toxicological information

Information on likely routes of exposure:

Inhalation	: No data available.
Ingestion	: No data available.
Skin contact	: No data available.
Eye contact	: No data available.

Information on toxicological effects:

Acute toxicity:

Distillates (petroleum), hydrotreated middle; Gasoil –unspecified	LD 50 (Rat, Oral): > 5000 mg/kg

	LD 50 (Rabbit, Dermal): > 3160 mg/kg
Triacetoxyethylsilane	LD 50 (Rat, Oral): 1460 mg/kg
Methylsilanetriyl triacetate	LD 50 (Rat, Oral): 1600 mg/kg
Butan-1-ol	LD 50 (Rat, Oral): 790 mg/kg
	LD 50 (Rabbit, Dermal): 3400 mg/kg

Skin corrosion/irritation : No data available.

Serious eye damage/ eye irritation : No data available.

Respiratory or skin sensitization : No data available.

Germ cell mutagenicity : No data available.

Carcinogenicity : No data available.

Reproductive toxicity : No data available. **Specific target organ toxicity-single exposure**: No data available. **Specific target organ toxicity-repeated exposure** : No data available. **Aspiration hazard** : No data available.