

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

1.1. Product identifier

Product form : Mixture
 Product name : ALSAN SIL 402 WHITE
 Product code : L-SILWH5 and L-SILWH50

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

Use of the substance/mixture : Mastic roof coating

1.3. Details of the supplier of the safety data sheet

Manufacturer:
 SOPREMA INC.
 310 Quadral Dr.
 Wadsworth, OH 44281
 Tel: 1-800-356-3521

Distributors:
 SOPREMA Canada
 1675 Haggerty Street
 Drummondville (Quebec) J2C 5P7
 Tel: 1-819-478-8163

SOPREMA Canada
 44955 Yale Road West
 Chilliwack (BC) V2R 4H3
 CANADA
 Tel: 1-604-793-7100

SOPREMA INC
 12251 Seaway Road
 Gulfport (Mississippi) 39507
 UNITED STATES
 Tel: 1-228-701-1900

1.4. Emergency telephone number

Emergency number : CHEMTREC 1-800-434-9300 (Acct.# CCN20515). CANUTEC 1-613-996-6666

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Skin Irritation	Category 2
Eye Irritation	Category 2A
Skin Sensitization	Category 1
Carcinogenicity	Category 2
Reproductive Toxicity	Category 2
Specific Target Organ Toxicity Category 3 (respiratory irritation)	Category 3
Chronic Aquatic Toxicity	Category 3

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) : Warning

ALSAN® SIL 402 WHITE

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Hazard statements (GHS-US)	: H315: Causes skin irritation H319: Causes serious eye irritation H317: May cause and allergic skin reaction H351: Suspected of causing cancer H361: Suspected of damaging fertility or the unborn child H335: May cause respiratory irritation. H412: Harmful to aquatic life with long lasting effects
Precautionary statements (GHS-US)	: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. IF exposed or concerned: Get medical advice/attention. IF ON SKIN: Wash with plenty of water. Specific treatment (See Section 4 of this SDS). If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

This product does not meet the criteria for PBT or vPvB in accordance with Annex XIII

2.4. Unknown acute toxicity (GHS US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier (CAS No)	%	Hazard Classification
Liquid Silicone Polymer	*Trade Secret	45 – 60	NOT CLASSIFIED
Nepheline Syenite	37244-96-5	15 – 30	STOT SE CAT 3 (RESP IRRIT)
Titanium Dioxide	13463-67-7	5 – 15	CARC. CAT 2
Octamethylcyclotetrasiloxane	556-67-2	5 – 15	REPR. CAT 2, AQUATIC CHRONIC CAT 2
2-Butanone, O,O', O"- (Methylsilyldi)ne)Trioxime	22984-54-9	2 – 7	SKIN IRRIT CAT 2, EYE IRRIT. CAT 2A, SKIN SENS CAT 1
Silica, Amorphous, fumed, crystal-free	112945-52-5	1 – 3	SKIN IRRIT CAT 2, EYE IRRIT. CAT 2A, STOT SE CAT 3 (RESP IRRIT)
2-Butanone, O,O',O"- silanetetrayltetraoxime	34206-40-1	<1	SKIN IRRIT CAT 2, EYE IRRIT. CAT 2A, SKIN SENS CAT 1

SECTION 4: First aid measures

4.1. Description of first aid measures

Notes to physician	: Treat symptoms and reduce over-exposure.
First-aid measures after inhalation	: If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention if breathing difficulty continues.

ALSAN® SIL 402 WHITE

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

- First-aid measures after skin contact : Wash skin thoroughly after handling. Seek medical attention if irritation develops and persists. Remove contaminated clothing. Launder contaminated clothing before re-use.
- First-aid measures after eye contact : If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Seek medical attention if irritation develops.
- First-aid measures after ingestion : If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or MSDS with the victim to the health professional.

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

ACUTE: This material may cause irritation to skin, eye, and respiratory system. May cause skin sensitization. Ingestion of this product may cause gastrointestinal irritation. This product contains an ingredient(s) that are suspected of causing reproductive harm.

CHRONIC: Prolonged or repeated skin contact may cause skin reactions.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Carbon dioxide, foam, dry chemical, halon, water spray, sand, limestone powder.
- Unsuitable extinguishing media : Do not use water jet.

5.2. Special hazards arising from the substance or mixture

This material has been tested to ASTM D-4206 Standard and found not to sustain combustion.

5.3. Advice for firefighters

- Firefighting instructions : Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

6.1.2. For emergency responders

- Protective equipment : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up (Small Spill) : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment. Note: see section 1 of SDS for emergency contact information and section 13 of SDS for waste disposal.
- Methods for cleaning up (Large Spill) : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13 of SDS). Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 of SDS for emergency contact information and section 13 of SDS for waste disposal.

ALSAN® SIL 402 WHITE

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product.
Avoid breathing vapors/mists generated by this product. Use in a well-ventilated location.
Remove contaminated clothing immediately.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed and in a dry and cool place.

7.3. Specific end use(s)

Advice on general occupational hygiene : As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid breathing vapors/mists generated by this product. Use in a well-ventilated location. Remove contaminated clothing immediately.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Chemical Name	CAS#	ACGIH TWA	OSHA TWA	WEEL
Liquid Silicone Polymer	Non-hazardous	Not listed	Not listed	Not Listed
Nepheline Syenite	37244-96-5	Not listed	Not listed	Not listed
Titanium Dioxide	13463-67-7	10 mg/m ³	10 mg/m ³	10 mg/m ³
Octamethylcyclotetrasiloxane	556-67-2	Not listed	Not listed	Not listed
2-Butanone,O,O', O"- (Methylsilylidyne)Trioxime	22984-54-9	Not listed	Not listed	Not listed
Silica, Amorphous, fumed, crystal free	112945-52-5	Not listed	80 mg/m ³	Not listed
2-Butanone, O,O',O"- silanetetrayltetraoxime	34206-40-1	Not listed	Not listed	Not listed

8.2. Exposure controls

Appropriate engineering controls : Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above. Use local exhaust ventilation to control airborne vapor. Ensure eyewash/safety shower stations are available near areas where this product is used.

Personal protective equipment : Avoid all unnecessary exposure.

Hand protection : Use chemical resistant gloves to prevent skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138 or appropriate Standards of Canada.

Eye protection : Safety glasses or chemical goggles as appropriate to prevent eye contact. If necessary, refer to U.S. OSHA 29 CFR 1910.133 or appropriate Canadian Standards.

Body protection : Use body protection appropriate to prevent contact (e.g. lab coat, overalls). If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards.

Respiratory protection : Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Color : White
Odor : slight odor.
Odor threshold : No data available
pH : No data available
Relative evaporation rate (butyl acetate=1) : No data available

ALSAN® SIL 402 WHITE

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Melting point	: Not applicable.
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 128°F (53.3 °C)
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Specific Gravity	: 1.26
Density	: No data available
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, Brookfield LVT	: No data available
Viscosity, Stormer	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosion limits	: No data available

9.2. Other information

VOC content : < 50 g/L

SECTION 10: Stability and reactivity

10.1. Reactivity

This product is stable.

10.2. Chemical stability

The product is stable.

10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4. Conditions to avoid

Heat and sources of ignition.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

When heated to decomposition this product produces noxious gases such as CO, CO₂, and others.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

TOXICITY DATA: Toxicity data is available for this product.

CAS# 13463-67-7 LD50 Acute Oral	>10000 mg/kg (rat)
CAS# 112945-52-5 LD50 Acute Oral	3160 mg/kg (rat)
CAS# 556-67-2 LD50 Inhalation	>12.7 mg/kg/4Hr (rat)
CAS# 556-67-2 LD50 Acute Oral	1540 mg/kg (rat)
CAS# 556-67-2 LD50 Acute Dermal	>2400 mg/kg (rat)

Toxicity summary

Acute toxicity	Based on available data, the classification criteria are not met
Skin corrosion / irritation	Skin Irritation Category 2
Serious eye damage / irritation	Eye Irritation Category 2A
Respiratory or skin sensitization	Skin Sensitization Category 1
Germ cell mutagenicity	Based on available data, the classification criteria are not met
Carcinogenicity	Carcinogenicity Category 2
Reproductive toxicity	Reproductive Category 2

ALSAN® SIL 402 WHITE

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Toxicity summary	
STOT-single exposure	Specific Target Organ Toxicity – Single Exposure (Respiratory Irritation)
STOT-repeated exposure	Based on available data, the classification criteria are not met
Aspiration hazard	Based on available data, the classification criteria are not met

Suspected cancer agent

One or more of the ingredients are found on the following lists: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC and therefore are considered to be, or suspected to be a cancer-causing agent by these agencies.

Titanium dioxide (13463-67-7)

ACGIH: A4 – Not classifiable as a Human Carcinogen

NIOSH: Potential occupational carcinogen

IARC: Monograph 93 posted, Monograph 47 [1989] (Group 2B (possibly carcinogenic to humans))

IRRITANCY OF PRODUCT: Contact with this product can be irritating to exposed skin, eyes and respiratory system.
SENSITIZATION OF PRODUCT: This product is considered a skin sensitizer.
REPRODUCTIVE TOXICITY INFORMATION: Octamethylcyclotetrasiloxane CAS# 556-67-2 is listed by the European Chemical Commission as a reproductive hazard causing harmful effects to fertility or the unborn child.
SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE: None known
SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE: None known
ASPIRATION HAZARD: None

SECTION 12: Ecological information

12.1. Toxicity

No specific data is currently available on this product's effects on aquatic life, however release of this product may have long term effects on the aquatic environment.

Specific Component Data:

Octamethylcyclotetrasiloxane (556-67-2)

Test & Species Conditions

96 Hr LC50 Brachydanio rerio >500 mg/L

96 Hr LC50 Lepomis macrochirus >1000 mg/L

24 Hr EC50 Daphnia magna 25.2 mg/L

12.2. Persistence and degradability

No specific data available on this product.

12.3. Bioaccumulative potential

No specific data available on this product.

12.4. Mobility in soil

No specific data available on this product.

12.5. Other adverse effects

RESULTS OF PBT AND vPvB ASSESSMENT: No specific data available on this product.

OTHER ADVERSE EFFECTS: No specific data available on this product.

WATER ENDANGERMENT CLASS: Not believed to be water endangering in accordance with EU Guideline 91/155-EWG. At present there are no ecotoxicological assessments for this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods : Waste disposal must be in accordance with appropriate Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.

RCRA WASTE CODE : None listed

EU WASTE CODE : None listed

ALSAN® SIL 402 WHITE

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 14: Transport information

US DOT; IATA; IMO; ADR:

THIS PRODUCT IS CLASSIFIED AS DANGEROUS GOODS AS DEFINED BY 49 CFR 172.101 BY THE U.S. DEPARTMENT OF TRANSPORTATION.

This product has been tested to the ASTM D-4206 Standard and determined that it does not sustain combustion. As result it is exempt from regulations when shipped ground or rail within the U.S.A.

PROPER SHIPPING NAME: Non-Regulated when shipped ground or rail with U.S.A.

HAZARD CLASS NUMBER and DESCRIPTION: None

UN IDENTIFICATION NUMBER: None

PACKING GROUP: None

DOT LABEL(S) REQUIRED: None

NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER (2016): None

MARINE POLLUTANT: This products ingredients that are not classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B)

TRANSPORT CANADA, TRANSPORTATION OF DANGEROUS GOODS REGULATIONS:

This product is classified as Dangerous Goods, per regulations of Transport Canada.

INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):

PROPER SHIPPING NAME: Flammable Liquid, n.o.s.

HAZARD CLASS NUMBER and DESCRIPTION: Class 3 Flammable

UN IDENTIFICATION NUMBER: UN1993

PACKING GROUP: PGIII

DOT LABEL(S) REQUIRED: Flammable class 3

INTERNATIONAL MARITIME ORGANIZATION (IMO) DESIGNATION:

This product is classified as Dangerous Goods by the International Maritime Organization.

EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR):

This product is classified by the United Nations Economic Commission for Europe to be dangerous goods.

Harmonized Tariff Code Not Listed

Additional information

Other information : No additional information.

SECTION 15: Regulatory information

15.1. US Federal regulations

UNITED STATES REGULATIONS

SARA REPORTING REQUIREMENTS: This product is not subject to the reporting requirements of Sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act., as follows: None

TSCA: All components in this product are listed on the US Toxic Substances Control Act (TSCA) inventory of chemicals.

SARA 311/312:

Acute Health: Yes Chronic

Health:

Yes Fire: No Reactivity: No

U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for this product.

The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lb (4,540 kg) may apply, per 40 CFR 370.20.

U.S. CERCLA REPORTABLE QUANTITY (RQ): None

CANADIAN REGULATIONS:

CANADIAN DSL/NDL INVENTORY STATUS: All of the components of this product are on the DSL Inventory

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS: No component of this product is on the CEPA First Priorities Substance Lists.


CANADIAN WHMIS CLASSIFICATION and SYMBOLS: Classified per WHMIS 2015

EUROPEAN ECONOMIC COMMUNITY INFORMATION:

EU LABELING AND CLASSIFICATION:

Classification of the mixture according to Regulation (EC) No1272/2008. See section 2 for details.

CALIFORNIA PROP 65

 **WARNING:** This product can expose you to chemicals including methanol is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

AUSTRALIAN INFORMATION FOR PRODUCT:

AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS) STATUS: All components of this product are listed or exempt from listing on the AICS.

STANDARD FOR THE UNIFORM SCHEDULING OF DRUGS AND POISONS: Not applicable.

JAPANESE INFORMATION FOR PRODUCT:

JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS: The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

ALSAN® SIL 402 WHITE

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

INTERNATIONAL CHEMICAL INVENTORIES:

Listing of the components on individual country Chemical Inventories is as follows:

Asia-Pac: Listed or exempt from listing

Australian Inventory of Chemical Substances (AICS): Listed or exempt from listing

Korean Existing Chemicals List (ECL): Listed or exempt from listing

Japanese Existing National Inventory of Chemical Substances (ENCS): Listed or exempt from listing

Philippines Inventory of Chemicals and Chemical Substances (PICCS): Listed or exempt from listing

Swiss Giftliste List of Toxic Substances: Listed or exempt from listing

U.S. TSCA: Listed

SECTION 16: Other information

Revision date : 10/23/2017

Other information : None.

SDS US (GHS HazCom 2012) - Custom

This SDS contains all the information required by ANSI Z400.1 standard (United States), by regulation 29 CFR Part 1910-1200 of the Hazard Communication Standard of OSHA and is in accordance with DORS/88-66 of WHMIS (Canada).

The best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy of completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.