

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

1.1. Product identifier

Product form : Mixture
 Product name : ALSAN® AC 401 White
 Product code :

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

Use of the substance/mixture : Acrylic 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)

Carcinogenicity	Category 1A
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2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) : Danger
 Hazard statements (GHS-US) : H350: May cause cancer

Precautionary statements (GHS-US) : Obtain special instructions before use.
 Do not handle until all safety precautions have been read and understood.
 Wear protective gloves/protective clothing/eye protection/face protection.
 IF exposed or concerned: Get medical advice/attention.
 Store locked up.

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

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.2.4.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier (CAS No)	%
Limestone	1317-65-3	10 - < 50
Titanium Dioxide	13463-67-7	1 - < 15
Zinc oxide	1314-13-2	0 - < 0.5
Aluminum hydroxide	21645-51-2	0 - < 15
Quartz (SiO ₂)	14808-60-7	0.25 - < 0.5
Ammonia	1336-21-6	< 1
Diuron	330-54-1	<1
Kaolin	1332-58-7	< 1

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	: Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.
First-aid measures after inhalation	: Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms are severe or persist.
First-aid measures after skin contact	: Rinse with water.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Do not rub eye. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 10 minutes. Get medical attention if any discomfort continues.
First-aid measures after ingestion	: Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Stop if the affected person feels sick as vomiting may be dangerous. Do not induce vomiting unless under the direction of medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Place unconscious person on their side in the recovery position and ensure breathing can take place. Keep affected person under observation. Get medical attention if symptoms are severe or persist.

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

No additional information available

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	: The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing media	: Do not use water jet as an extinguisher, as this will spread the fire.

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5.2. Special hazards arising from the substance or mixture

Containers can burst violently or explode when heated, due to excessive pressure build-up.

Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO₂). Carbon monoxide (CO). Acrylic monomers. Harmful gases or vapors.

5.3. Advice for firefighters

Firefighting instructions

: Avoid breathing fire gases or vapors. Evacuate the area. Keep upwind to avoid inhalation of gases, vapors, fumes and smoke. Ventilate closed spaces before entering them. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapors and protect men stopping the leak. Avoid discharge to the aquatic environment. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Standard Firefighter's clothing including helmets, protective boots and gloves will provide a basic level of protection for chemical incidents.

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 without appropriate training or involving any personal risk. Keep unnecessary and unprotected personnel away from the spillage. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Wash thoroughly after dealing with a spillage. Ensure procedures and training for emergency decontamination and disposal are in place. Do not touch or walk into spilled material.

6.1.2. For emergency responders

Protective equipment

: Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Approach the spillage from upwind.

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)

: If the product is soluble in water, dilute the spillage with water and mop it up. Alternatively, or if it is not water-soluble, absorb the spillage with an inert, dry material and place it in a suitable waste disposal container.

Methods for cleaning up (Large Spill)

: If leakage cannot be stopped, evacuate area. Flush spilled material into an effluent treatment plant, or proceed as follows. Contain and absorb spillage with sand, earth or other non-combustible material. Place waste in labeled, sealed containers. Clean contaminated objects and areas thoroughly, observing environmental regulations. The contaminated absorbent may pose the same hazard as the spilled material. Flush contaminated area with plenty of water.

Wash thoroughly after dealing with a spillage. Dangerous for the environment. Do not empty into drains. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

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

: Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimize spills. Keep container tightly sealed when not in use. Avoid the formation of mists. May cause cancer. Avoid discharge to the aquatic environment. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

: Store away from incompatible materials (see Section 10). Store locked up. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage.

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Storage class	: Miscellaneous hazardous storage
Shelf-life	: 12 months
Storage temperature	: Minimum storage temperature: 1°C/33.8°F Maximum storage temperature: 49°C/120.2°F

7.3. Specific end use(s)

Advice on general occupational hygiene	: Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Change work clothing daily before leaving workplace.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Limestone	
Long-term exposure limit (8-hour TWA): OSHA 5 mg/m ³	respirable fraction
Long-term exposure limit (8-hour TWA): OSHA 15 mg/m ³	total dust

Titanium dioxide	
Long-term exposure limit (8-hour TWA): ACGIH 10 mg/m ³ A4	--
Long-term exposure limit (8-hour TWA): OSHA 15 mg/m ³	total dust

Zinc oxide	
Long-term exposure limit (8-hour TWA): OSHA 5 mg/m ³	fume
Long-term exposure limit (8-hour TWA): OSHA 15 mg/m ³	total dust
Long-term exposure limit (8-hour TWA): ACGIH 2 mg/m ³	respirable fraction
Short-term exposure limit (15-minute): ACGIH 10 mg/m ³	respirable fraction
Long-term exposure limit (8-hour TWA): OSHA 5 mg/m ³	respirable fraction

Aluminum hydroxide	
Long-term exposure limit (8-hour TWA): ACGIH 1 mg/m ³ A4	--

Quartz (SiO ₂)	
Long-term exposure limit (8-hour TWA): ACGIH 0.025 mg/m ³ A2	respirable fraction

Ammonia	
Long-term exposure limit (8-hour TWA): ACGIH 25 ppm 17 mg/m ³	--
Long-term exposure limit (8-hour TWA): OSHA 50 ppm 35 mg/m ³	--
Short-term exposure limit (15-minute): ACGIH 35 ppm 24 mg/m ³	--

Diuron	
Long-term exposure limit (8-hour TWA): ACGIH 10 mg/m ³ A4	--

Kaolin	
Long-term exposure limit (8-hour TWA): ACGIH 2 mg/m ³ A4	respirable fraction
Long-term exposure limit (8-hour TWA): OSHA 5 mg/m ³	respirable fraction
Long-term exposure limit (8-hour TWA): OSHA 15 mg/m ³	total dust

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Limestone	
Long-term exposure limit (8-hour TWA): OSHA 5 mg/m ³	respirable fraction
Long-term exposure limit (8-hour TWA): OSHA 15 mg/m ³	total dust

OSHA = Occupational Safety and Health Administration.
ACGIH = American Conference of Governmental Industrial Hygienists.
A4 = Not Classifiable as a Human Carcinogen.
A2 = Suspected Human Carcinogen.

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Titanium Dioxide (CAS: 13463-67-7)	IDLH 5000 mg/m ³
Zinc oxide (CAS: 1314-13-2)	IDLH 500 mg/m ³
Silicon dioxide (CAS: 7361-86-9)	IDLH 3000 mg/m ³
Quartz (SiO ₂) (CAS: 14808-60-7)	IDLH 25 mg/m ³ 50 mg/m ³
Ammonia (CAS: 1336-21-6)	IDLH 300 ppm
Note: IDLH = Immediately dangerous to life and health	

8.2. Exposure controls

- Appropriate engineering controls : Provide adequate ventilation. Ensure the ventilation system is regularly maintained and tested. Good general ventilation should be adequate to control worker exposure to airborne contaminants. Observe any occupational exposure limits for the product or ingredients.
- Personal protective equipment : Avoid all unnecessary exposure.
- Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with OSHA 1910.138 and be demonstrated to be impervious to the chemical and resist degradation. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended..
- Eye protection : Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with OSHA 1910.133. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses. If inhalation hazards exist, a full-face respirator may be required instead.
- Body protection : Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.
- Respiratory protection : Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable for its intended use and is NIOSH approved. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with OSHA 1910.134. Full face mask respirators with replaceable filter cartridges should comply with OSHA 1910.134. Half mask and quarter mask respirators with replaceable filter cartridges should comply with OSHA 1910.134.
- Hygiene measures : Wash after use and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.
- Environmental exposure controls : Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Color : White
- Odor : Mild. Amine.
- Odor threshold : No data available
- pH : No data available
- Relative evaporation rate (butyl acetate=1) : No data available
- Melting point : 0°C (as water).
- Freezing point : No data available

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Boiling point	: 100°C (boiling point of water)
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: 17 mm Hg @ 20°C/68°F
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Specific Gravity	: 1.2 – 1.5
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

See the other subsections of this section for further details.

10.2. Chemical stability

Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

No potentially hazardous reactions known.

10.4. Conditions to avoid

There are no known conditions that are likely to result in a hazardous situation.

10.5. Incompatible materials

No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances:
Harmful gases or vapors.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicity summary	
Acute toxicity – oral	Based on available data the classification criteria are not met.
Acute toxicity - dermal	Based on available data the classification criteria are not met.
Acute toxicity - inhalation	Based on available data the classification criteria are not met.
Skin corrosion/irritation	Based on available data the classification criteria are not met.
Serious eye damage/irritation	Based on available data, the classification criteria are not met
Respiratory sensitization	Based on available data, the classification criteria are not met
Skin sensitization	Based on available data the classification criteria are not met. The product contains a small amount of sensitizing substance. May cause skin sensitization or allergic reactions in sensitive individuals.
Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Genotoxicity - in vivo	Based on available data the classification criteria are not met.
Carcinogenicity	May cause cancer.
IARC carcinogenicity	Contains a substance/a group of substances which may cause cancer. IARC Group 1 Carcinogenic to humans.
NTP carcinogenicity	Contains: Silica, Crystalline (Respirable Size) Known human carcinogen.
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.

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Toxicity summary	
STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.
STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.
Aspiration hazard	Based on available data the classification criteria are not met
General information	May cause cancer after repeated exposure. Risk of cancer depends on duration and level of exposure. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Prolonged inhalation of high concentrations may damage respiratory system.
Ingestion	Gastrointestinal symptoms, including upset stomach. Fumes from the stomach contents may be inhaled, resulting in the same symptoms as inhalation.
Skin contact	Discoloration of the skin. Prolonged contact may cause redness, irritation and dry skin.
Eye contact	May cause temporary eye irritation.
Route of entry	Ingestion, Inhalation, skin and/or eye contact.
Target organs	No specific target organs known.

SECTION 12: Ecological information

12.1. Toxicity

The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

12.2. Persistence and degradability

The degradability of the product is not known.

12.3. Bioaccumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil

No specific data available on this product.

12.5. Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information

: The generation of waste should be minimized or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

Disposal methods

: Do not empty into drains. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DOT).
UN Number	Not applicable.
UN proper shipping name	Not applicable.
Transport hazard class(es)	No transport warning sign required.
Packing group	Not applicable.
Environmental hazards	No
Special precautions for user	Not applicable.
DOT TIH Zone	Not applicable.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

Additional information

Other information : No additional information.

SECTION 15: Regulatory information

15.1. US Federal regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

None of the ingredients are listed or exempt.

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CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA) The following ingredients are listed or exempt:	
Ammonia	Final CERCLA RQ: 1000(454) pounds (Kilograms)
methyl benzimidazol-2-yl carbamate	Final CERCLA RQ: 10(4.54) pounds (Kilograms)
Diuron	Final CERCLA RQ: 100(45.4) pounds (Kilograms)

SARA Extremely Hazardous Substances EPCRA Reportable Quantities None of the ingredients are listed or exempt.

SARA 313 Emission Reporting The following ingredients are listed or exempt:	
Ammonia	1.0%
Zinc oxide	1.0%
Diuron	1.0%

Inventories

US – TSCA

All the ingredients are listed or exempt.

US - TSCA 12(b) Export Notification

None of the ingredients are listed or exempt.

Note: Based on information provided by our suppliers, this product is considered "DRC Conflict Free" as defined by the SEC Conflict Minerals Final Rule (Release No. 34-67716; File No. S7- 40-10; Date: 2012-08-22).

15.2. State regulations

California Proposition 65 Carcinogens and Reproductive Toxins - The following ingredients are listed or exempt:	
Benzophenone	Known to the State of California to cause cancer.
Quartz	Known to the State of California to cause cancer.
Titanium Dioxide	Known to the State of California to cause cancer.
Diuron	Known to the State of California to cause cancer.

California Air Toxics "Hot Spots" (A-I) The following ingredients are listed or exempt:	
Quartz	
Zinc oxide	

California Air Toxics "Hot Spots" (A-II) - None of the ingredients are listed or exempt.

California Directors List of Hazardous Substances - The following ingredients are listed or exempt:	
Ammonia	
Quartz	
Diuron	

Massachusetts "Right To Know" List - The following ingredients are listed or exempt:	
Ammonia	
Limestone	
Quartz	
Titanium Dioxide	
Zinc oxide	
Diuron	
Kaolin	

Rhode Island "Right To Know" List - The following ingredients are listed or exempt:	
Benzophenone	
Limestone	
Quartz	
Titanium Dioxide	
Zinc oxide	
Propane-1,2-diol	
Diuron	
Kaolin	

Minnesota "Right To Know" List - The following ingredients are listed or exempt:	
Benzophenone	
Limestone	
Quartz	
Titanium Dioxide	
Zinc oxide	
Diuron	

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Kaolin

New Jersey "Right To Know" List - The following ingredients are listed or exempt:
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Ammonia

Limestone

Quartz

Titanium Dioxide

Zinc oxide

Propane-1,2-diol

Diuron

methyl benzimidazol-2-yl carbamate

Kaolin

Pennsylvania "Right To Know" List - The following ingredients are listed or exempt:
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Ammonia

Limestone

Quartz

Titanium Dioxide

Zinc oxide

Propane-1,2-diol

Diuron

Kaolin

CALIFORNIA PROP 65



WARNING: This product can expose you to chemicals including benzophenone, quartz, titanium dioxide and diuron which are known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

SECTION 16: Other information

Revision date : 3/05/2018

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/86-66 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.