

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : ALSAN Coating Universal Primer

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

SOPREMA, Inc.
310 Quadral Dr
Wadsworth, OH 44281
T 1-800-356-3521

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

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

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

1.4. Emergency telephone number

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

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Carcinogenicity Category 2 H351 Suspected of causing cancer
Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Warning
Hazard statements (GHS US) : H351 - Suspected of causing cancer
Precautionary statements (GHS US) : P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.

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P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P308+P313 - If exposed or concerned: Get medical advice/attention.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
latex,liquid,synthetic	-	40 – 60	Not classified
calcium carbonate	CAS-No.: 471-34-1	5 – 15	Not classified
titanium(IV) oxide; [crystalline solid or in powder form containing less than 1 % particles with aerodynamic diameter ≤ 10 µm]	CAS-No.: 13463-67-7	1 – 5	Carc. 2, H351
zinc oxide	CAS-No.: 1314-13-2	< 1.0	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2,2,4-trimethyl-1,3-pentanediol monoisobutyrate	CAS-No.: 25265-77-4	< 1.0	Not classified
5-chloro-2-methyl-4-isothiazolin-3-one	CAS-No.: 26172-55-4	< 1.0	Not classified

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

No additional information available

4.2. Most important symptoms and effects (acute and delayed)

No additional information available

4.3. Immediate medical attention and special treatment, if necessary

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

No additional information available

5.2. Specific hazards arising from the chemical

No additional information available

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5.3. Special protective equipment and precautions for fire-fighters

No additional information available

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Notify authorities if product enters sewers or public waters.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment.

The substance(s) are inextricably bound in the product and therefore do not contribute to a dust inhalation hazard.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use. Store locked up. Store in a well-ventilated place. Keep cool.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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No additional information available	
latex,liquid,synthetic	
No additional information available	
calcium carbonate (471-34-1)	
No additional information available	
titanium(IV) oxide; [crystalline solid or in powder form containing less than 1 % particles with aerodynamic diameter ≤ 10 µm] (13463-67-7)	
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	0.2 mg/m ³ (Respirable fraction) 2.5 mg/m ³ (Respirable fraction)
zinc oxide (1314-13-2)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Zinc oxide
ACGIH OEL TWA	2 mg/m ³ (Respirable fraction)
ACGIH OEL STEL	10 mg/m ³ (Respirable fraction)
Remark (ACGIH)	Metal fume fever
2,2,4-trimethyl-1,3-pentanediol monoisobutyrate (25265-77-4)	
No additional information available	
5-chloro-2-methyl-4-isothiazolin-3-one (26172-55-4)	
No additional information available	

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:

Wear protective gloves.

Eye protection:

Chemical goggles or safety glasses. Safety glasses

Skin and body protection:

Wear suitable protective clothing

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Respiratory protection:

Wear appropriate mask

Personal protective equipment symbol(s):



Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Mixture contains one or more component(s) which have the following colour(s): White Pure substance: white Unpurified: coloured White to light yellow Colourless Amber
Odor	: There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure. Mixture contains one or more component(s) which have the following odour: Characteristic odour Odourless Almost odourless
Odor threshold	: No data available
pH	: 8.5 – 9
Melting point	: No data available
Freezing point	: No data available
Boiling point	: ≈ 100 °C
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: 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
Density	: ≈ 8.6 lb/gal
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: ≈ 970.396 mm ² /s
Viscosity, dynamic	: ≈ 1000 cP
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

This product is non-reactive under normal conditions of use, storage and transport

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10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions and use

10.4. Conditions to avoid

None under recommended storage and handling conditions

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

calcium carbonate (471-34-1)

LD50 oral rat	> 2000 mg/kg (OECD 420: Acute Oral toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral, 14 day(s))
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	> 3 mg/l air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (aerosol), 15 day(s))

titanium(IV) oxide; [crystalline solid or in powder form containing less than 1 % particles with aerodynamic diameter ≤ 10 µm] (13463-67-7)

LD50 oral rat	> 2000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))
LC50 Inhalation - Rat	> 5.09 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male, Experimental value, Inhalation (dust), 14 day(s))

zinc oxide (1314-13-2)

LD50 oral rat	> 5000 mg/kg (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	> 5.7 mg/l (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation (dust), 14 day(s))

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate (25265-77-4)

LD50 oral rat	3200 mg/kg (Rat, Oral)
LD50 dermal rabbit	> 15200 mg/kg (Rabbit, Dermal)

Skin corrosion/irritation : Not classified
pH: 8.5 – 9

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Serious eye damage/irritation	: Not classified pH: 8.5 – 9
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Suspected of causing cancer.

titanium(IV) oxide; [crystalline solid or in powder form containing less than 1 % particles with aerodynamic diameter ≤ 10 µm] (13463-67-7)

IARC group	2B - Possibly carcinogenic to humans
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: ≈ 970.396 mm ² /s

SECTION 12: Ecological information

12.1. Toxicity

calcium carbonate (471-34-1)

LC50 - Fish [1]	> 100 % (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value, Nominal concentration)
EC50 - Crustacea [1]	> 100 % (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
ErC50 algae	> 100 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration)

titanium(IV) oxide; [crystalline solid or in powder form containing less than 1 % particles with aerodynamic diameter ≤ 10 µm] (13463-67-7)

LC50 - Fish [1]	> 100 mg/l (Equivalent or similar to OECD 203, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Nominal concentration)
ErC50 algae	61 mg/l (EPA 600/9-78-018, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration)

zinc oxide (1314-13-2)

LC50 - Fish [1]	1.55 mg/l (96 h, Danio rerio, Static system, Fresh water, Experimental value, Lethal)
EC50 - Crustacea [1]	1 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Zinc ion)

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate (25265-77-4)

LC50 - Fish [1]	30 mg/l (96 h, Pimephales promelas, Fresh water)
EC50 - Crustacea [1]	147.8 mg/l (48 h, Daphnia sp.)

12.2. Persistence and degradability

latex,liquid,synthetic

Persistence and degradability	Biodegradability in soil: no data available.
Biochemical oxygen demand (BOD)	0.01 g O ₂ /g substance

calcium carbonate (471-34-1)

Persistence and degradability	Biodegradability in soil: not applicable. Biodegradability: not applicable.
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calcium carbonate (471-34-1)	
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)
titanium(IV) oxide; [crystalline solid or in powder form containing less than 1 % particles with aerodynamic diameter ≤ 10 µm] (13463-67-7)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)
zinc oxide (1314-13-2)	
Persistence and degradability	Biodegradability in soil: not applicable. Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)
2,2,4-trimethyl-1,3-pentanediol monoisobutyrate (25265-77-4)	
Persistence and degradability	Readily biodegradable in water.
Chemical oxygen demand (COD)	2.1 g O ₂ /g substance
ThOD	2.4 g O ₂ /g substance
5-chloro-2-methyl-4-isothiazolin-3-one (26172-55-4)	
Persistence and degradability	Contains non readily biodegradable component(s).
12.3. Bioaccumulative potential	
latex,liquid,synthetic	
Bioaccumulative potential	Not bioaccumulative.
calcium carbonate (471-34-1)	
Bioaccumulative potential	Not bioaccumulative.
titanium(IV) oxide; [crystalline solid or in powder form containing less than 1 % particles with aerodynamic diameter ≤ 10 µm] (13463-67-7)	
Bioaccumulative potential	Not bioaccumulative.
zinc oxide (1314-13-2)	
BCF - Fish [1]	78 – 2060 (14 day(s), Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value)
Partition coefficient n-octanol/water (Log Pow)	1.53 (Estimated value)
Bioaccumulative potential	Not bioaccumulative.
2,2,4-trimethyl-1,3-pentanediol monoisobutyrate (25265-77-4)	
Partition coefficient n-octanol/water (Log Pow)	3.47 (Experimental value)
5-chloro-2-methyl-4-isothiazolin-3-one (26172-55-4)	
Bioaccumulative potential	Does not contain bioaccumulative component(s).

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12.4. Mobility in soil

calcium carbonate (471-34-1)

Surface tension	No data available (test not performed)
Ecology - soil	Low potential for adsorption in soil.

titanium(IV) oxide; [crystalline solid or in powder form containing less than 1 % particles with aerodynamic diameter $\leq 10 \mu\text{m}$] (13463-67-7)

Surface tension	No data available in the literature
Ecology - soil	Low potential for mobility in soil.

zinc oxide (1314-13-2)

Surface tension	Not applicable (solid)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.2 (log Koc, Literature study)
Ecology - soil	Low potential for adsorption in soil.

5-chloro-2-methyl-4-isothiazolin-3-one (26172-55-4)

Ecology - soil	No (test)data on mobility of the component(s) available.
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12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

No additional information available

SECTION 14: Transport information

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Not applicable
Proper Shipping Name (TDG) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable

14.3. Transport hazard class(es)

DOT
Transport hazard class(es) (DOT) : Not applicable

TDG
Transport hazard class(es) (TDG) : Not applicable

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IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

14.4. Packing group

Packing group (DOT) : Not applicable
Packing group (TDG) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

DOT

No data available

TDG

No data available

IMDG

No data available

IATA

No data available

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

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
latex,liquid,synthetic		Not present	-	
calcium carbonate	471-34-1	Present	Active	
titanium(IV) oxide; [crystalline solid or in powder form containing less than 1 % particles with aerodynamic diameter ≤ 10 µm]	13463-67-7	Present	Active	
zinc oxide	1314-13-2	Present	Active	
2,2,4-trimethyl-1,3-pentanediol monoisobutyrate	25265-77-4	Present	Active	
5-chloro-2-methyl-4-isothiazolin-3-one	26172-55-4	Present	Active	

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15.2. International regulations

CANADA

calcium carbonate (471-34-1)

Listed on the Canadian DSL (Domestic Substances List)

titanium(IV) oxide; [crystalline solid or in powder form containing less than 1 % particles with aerodynamic diameter $\leq 10 \mu\text{m}$] (13463-67-7)

Listed on the Canadian DSL (Domestic Substances List)

zinc oxide (1314-13-2)

Listed on the Canadian DSL (Domestic Substances List)

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate (25265-77-4)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

calcium carbonate (471-34-1)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

titanium(IV) oxide; [crystalline solid or in powder form containing less than 1 % particles with aerodynamic diameter $\leq 10 \mu\text{m}$] (13463-67-7)

Listed on IARC (International Agency for Research on Cancer)
Listed on INSQ (Mexican National Inventory of Chemical Substances)

zinc oxide (1314-13-2)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate (25265-77-4)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. US State regulations

Component	State or local regulations
titanium(IV) oxide; [crystalline solid or in powder form containing less than 1 % particles with aerodynamic diameter $\leq 10 \mu\text{m}$](13463-67-7)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
zinc oxide(1314-13-2)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

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Full text of H-phrases	
H351	Suspected of causing cancer
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

Soprema SDS USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.