


Section 1. Identification

Product Name:	SHELLAC-BASED PRIMER-SEALER
Product code:	PE700600 • PE700601
Other means of identification:	Shellac-based primer-sealer / stain killer / bond coat
Product type:	Paint
Relevant identified uses of the mixture:	Shellac-based primer-sealer, stain killer and bond coat, for interior surfaces. Also suitable for spot priming exterior surfaces.
Supplier:	MICCA PAINT INC. 1740, Bd. St-Elzéar Ouest, Chomedey, Laval, H7Y 1G9, QC, Canada
Emergency company's phone number:	CANUTEC: 613-996-6666
Regulatory information phone number:	+1 450-686-1740
Transportation emergency phone number:	1-888-CAN-UTEC (226-8832, 613-996-6666 or Cell *666)

Section 2. Hazards identification

<u>Classification of the mixture:</u>	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). Flammable liquids-Category 2 Aspiration hazard-Category 1 Skin irritation-Category 2 Eye irritation-Category 2B STOT-single exposure-Category 3
<u>Signal word:</u>	DANGER
<u>GHS Label elements:</u>	
<u>Hazard pictograms :</u>	
<u>Hazard statements:</u>	(H225) Highly flammable liquid and vapour. (H335) May cause respiratory irritation. (H304) May be fatal if swallowed and enter airways. (H336) May cause drowsiness or dizziness. (H332) Harmful if inhaled. (H315) Causes skin irritation. (H319) Causes serious eye irritation.

SHELLAC-BASED PRIMER-SEALER

Precautionary statements:

General:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. In case of fire: Use a suitable extinguishing media (See section 5). Keep container tightly closed.

Wear protective clothing, gloves, eye, and face protection.

Do not eat, drink or smoke when using this product.

Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray .Wash hands thoroughly after handling.

Contaminated work clothing must not be allowed out of the workplace. **Store locked up. Keep out of children's reach.** Use only outdoors or in a well-ventilated area.

IF IN EYES: Rinse cautiously with water for several minutes and remove contacts if present and easy to do. Continue rinsing and get medical attention if eye irritation persists.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF ON SKIN (or hair): Remove /Take off immediately all contained clothing. Rinse skin with water/shower.

IF SWALLOWED: Rinse mouth. **DO NOT INDUCE VOMITING.** Immediately call a **POISON CENTER** or Doctor. If exposed or concerned: Get medical advice/attention.

Dispose of unused contents, container, and other contaminated wastes in accordance with local, state, federal and provincial regulations.

Hazards not otherwise classified :

None generally recognized

Section 3. Composition/information on ingredients

Ingredients	CAS Number	Range/ WT %
Titanium dioxide	13463-67-7	10-30
Ethanol	64-17-5	30-40
Methanol	67-56-1	5-10
Isopropanol	67-63-0	1-5
Ethyl acetate	141-78-6	0.1-1

There is no additional ingredient present in the formula which, within our current knowledge and in the concentration applicable, is classified as hazardous to health or the environment and hence requires to be reported in this section.

SHELLAC-BASED PRIMER-SEALER**Section 4. First aid measures**Description of necessary first aid measures

General advice:	First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and maintain him in a comfortable and stable position (recovery position).
Eye contact:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
Inhalation:	Safe in case of symptoms, move victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, get medical attention.
Skin contact :	Flush contaminated skin with plenty of water and eliminate it wherever possible paint continue to rinse for at least 10 minutes . Get medical attention if irritation persists.
Ingestion :	<p>Wash out with water. Remove dentures if any .Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious ,give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention Never give anything by mouth to an unconscious person. If an unconscious, place in recovery position and get medical attention immediately.</p> <p>Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p>
<u>Most important symptoms and effects, important:</u>	The most important known symptoms and effects are described in the labelling (see section 2) and / or in section 11.
<u>Indication of immediate medical attention and special treatment needed, if necessary</u>	
Notes to physician:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments:	No specific treatment.
Protection of first-aiders:	<p>No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.</p> <p>Wash contaminated clothing thoroughly with water before removing it, or wear gloves.</p>

SHELLAC-BASED PRIMER-SEALER

Section 5. Fire-fighting measuresExtinguishing media

Flammability:	Flammable
Suitable extinguishing media:	Foam, water fog, dry chemical and carbon dioxide.
Special fire-fighting procedures:	Wear NIOSH approved & self contained breathing apparatus.
Fire or explosive hazards:	Vapours may travel or be moved by air current and ignited by heat, pilot lights, and other ignition sources at location distant from material handling point.

Section 6. Accidental release measuresPersonal precautions, protective equipments and emergency procedures

For non-emergency:	No action shall be taken involving any personal risk or without suitable training Provide adequate ventilation. Put an appropriate personal protective equipment.
For emergency responders:	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.
Environmental precautions:	Avoid dispersal of spilled material and run off and contact with soil, waterways, drains and sewers, if that is possible without danger.
<u>Methods and materials for containment and cleaning up:</u>	Provide adequate ventilation. Absorb or cover with dry earth, sand or other non-combustible absorbent and non-toxic and put in a identify hermetic cotenants. Use tools specific not producing sparks to retrieve the contaminated absorbent contents.
Small spill:	Absorb with absorbent material and remove to non-leaking container for disposal.
Large spill:	Product is combustible remove all sources of ignition. Remove large spills by mechanical means and place in containers.
Disposal:	Dispose in accordance with the regulations of the municipal, provincial and / or federal.
Note:	Always wear appropriate PPE when cleaning spills of this product using a neutralizing solution.

Section 7. Handling and Storage

Precautions for safe handling



Protective measures

Respiratory Protection:	If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator.
Eye protection:	Wear goggles.
Protective Gloves:	Recommended.
General Ventilation:	Recommended.
Protective Clothing:	Wear appropriate impervious clothing so as to avoid contact with skin.
Advice on general occupational hygiene:	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove protective equipment before entering eating areas. See also section 8 for additional information on hygiene measures.

Condition for safe storage including any incompatibilities:

Store in cool, dry and well ventilated location. Keep away from open flames heat and sparks. Hot surfaces maybe sufficient to ignite liquid even in the absence of sparks and flames. Vapours may accumulate and travel to distant ignition sources and flashback. Empty containers are hazardous. It may contain flammable/explosive dusts, liquid residue or vapours. Air dry contaminated clothing in a well ventilated area before laundering. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/Personal protection.
Control parameters
Occupational exposure limits

Ingredients	Titanium dioxide	Ethanol	Methanol	Isopropanol	Ethyl acetate
Exposure Limits	TWA 10 mg/m ³ (total dust)	TWA 1000 ppm 1880 mg/m ³	TWA 200 ppm 262 mg/m ³	TWA 400 ppm 983 mg/m ³	TWA 400 ppm 1440 mg/m ³
	STEL N/A	STEL 1000 ppm 1880 mg/m ³	STEL 250 ppm 328 mg/m ³	STEL 500 ppm 1230 mg/m ³	STEL 400 ppm 1440 mg/m ³
TWA: Time Weighted Average STEL: Short Term Exposure Limit		PPE Pictograms 		Eyewash and Safety shower 	

Appropriate engineering controls: General mechanical ventilation. Provide local exhaust ventilation to control vapours.

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.
Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Individual protection measures

Eye/Face Protection: Wear appropriate protective glasses or splash goggles as described by OSHA 1910.133 eye and face protection regulation.

Skin Protection Description: Chemical resistant gloves and chemical goggles, face shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.

Respiratory Protection: Chemical respirator with organic vapour cartridge and full face piece, where airborne concentrations are expected to exceed exposure limits.

Other Protective: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Section 9. Physical and chemical properties

Appearance:	White liquid
Odour:	Mild alcohol like
Odour threshold:	N/A
pH:	N/A
Melting point:	N/A
Initial boiling point:	72°C (162°F)
Flash point:	12°C closed cup, Setaflash method
Evaporation rate:	1.5 (N-Butyl Acetate = 1)
Flammability (solid; gas):	N/A
Lower and upper explosive limits	LEL: 2% UEL: 12%
Vapour pressure:	N/A
Vapour density:	1.5 (air = 1)
Relative density:	1.33 (water = 1)
Solubility in water:	Partial
Partition coefficient n-octanol/water:	N/A
Auto-ignition temperature:	N/A
Decomposition temperature:	N/A
Viscosity:	60 KU

Section 10. Stability and reactivity

Chemical stability:	Stable.
Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid:	Heat, flames and sparks. Extremes in temperature and direct sunlight.
Incompatible materials:	Avoid contact with oxidizing agents, strong acids and strong alkalis.
Hazardous decomposition:	Will form fumes, smoke, carbon dioxide and carbon monoxide on burning.

Section 11. Toxicological information

Information on toxicological effects :

Evaluation based: The information provided is based on tests and / or similar products, and / or components.

Ingredient	LD50 Oral	LD50 Skin	Acute Inhalation LC50
Titanium dioxide	Rat: >10000 mg/kg	Rabbit: >10000 mg/kg	Rat: >6.8 mg/l /4 hr
Ethanol	Rat: 7060 mg/kg	Rabbit: 20000 mg/kg	Rat: 31623 ppm/4 hr
Methanol	Rat: 5628 mg/kg	Rabbit: 20000 mg/kg	Rat: 64000 ppm/4 hr
Isopropanol	Rat: >5000 mg/kg	Rabbit: 12800 mg/kg	Rat: 16000 ppm/8 hr
Ethyl acetate	Rat: 11300 mg/kg	Rabbit: 180000 mg/kg	Rat: 22627 ppm/4 hr

Acute Potential Health Effects/ Most important symptoms/Effects:

Eye: Severely irritating to eyes.

Skin: Cause skin irritation. Can cause fading and drying of the skin. Allergic reactions are possible.

Inhalation: High concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea; continued inhalation may result in unconsciousness and/or death.

Ingestion: Harmful if swallowed. Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

Delayed and immediate effects and also chronic effects from short and long term exposure:

Short term exposure

Potential immediate effects N/A

Potential delayed effects: N/A

Long term exposure

Potential delayed effects: N/A

Potential Chronic health effects

Carcinogenicity: (Titanium dioxide)	I.A.R.C assessment: Titanium dioxide may be carcinogenic to humans (Group 2B). Although I.A.R.C has classified titanium dioxide as possibly carcinogenic to humans (2B), it is also stated in the summary on the CNESST website that: « No significant exposure to titanium dioxide occurs during the use of products in which titanium dioxide is trapped in a three-dimensional network such as in polymers, or in suspension in liquid media such as paints ».
Mutagenicity:	No known significant effects or critical hazards.
Teratogenicity:	No known significant effects or critical hazards.
Developmental effects:	No known significant effects or critical hazards.
Target Organs:	Liver, kidney, lungs, central nervous system.
Fertility effects:	No known significant effects or critical hazards.
Sensitization:	No known significant effects or critical hazards.

<p>Section 12. Ecological information</p>
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Aquatic Ecotoxicology:	N / A
Terrestrial ecotoxicology:	N / A
Persistence and degradation:	N / A
Bioaccumulation potential:	N / A
Mobility in soil:	N / A
Other adverse effects:	N / A

<p>Section 13. Disposal considerations</p>

Disposal methods: Dispose in accordance with federal, state, provincial, and local regulations. Dry, empty containers may be recycled in a can recycling program. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.

Product:



Section 14. Transport information

Regulatory information	TDG	IMDG	IATA
UN number	UN 1263	UN 1263	UN 1263
UN shipping name	Paint	Paint	paint
Transport hazards class(es)	3	3	3
Packing group	II	II	II
Environmental hazard	No	No	No
Additional information	<u>Special provisions</u> Not applicable	N/A	N/A

Special precaution:

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea,air,etc.), doesn't indicate that the product is packaged suitably for that mode of transport.

All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility prior of the person offering the product for transport.

People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

Section 15. Regulatory information

Canada DSL:

All the ingredients are listed.

Section 16. Other information

Date of issue / Date of revision: 01 November 2018

Note:

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of, and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the application section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDS obtained from any other source.