

# SAFETY DATA SHEET



The information in this Safety Data Sheet is required pursuant to Hazardous Product Regulations 2015.

Date of issue/Date of revision 22 February 2020

Version 8

## Section 1. Identification

**Product name** : SIGMAPRIME 200 BASE YELLOW GREEN  
**Product code** : 00393145  
**Other means of identification** : Not available.  
**Product type** : Liquid.

### Relevant identified uses of the substance or mixture and uses advised against

**Product use** : Professional applications, Used by spraying.  
**Use of the substance/ mixture** : Coating.  
**Uses advised against** : Not applicable.

**Supplier** : PPG Canada Inc.  
5676 Timberlea Blvd  
Mississauga ON L4W 4M6  
Canada  
+1 905-629-7999

PPG Industries, Inc.  
One PPG Place  
Pittsburgh, PA 15272

**Emergency telephone number** : (412) 434-4515 (U.S.)  
(514) 645-1320 (Canada)  
01-800-00-21-400 or + 52 55 5559 1588 (Mexico)

**Technical Phone Number** : 888-977-4762

## Section 2. Hazard identification

**Classification of the substance or mixture** : FLAMMABLE LIQUIDS - Category 3  
ACUTE TOXICITY (inhalation) - Category 4  
SKIN IRRITATION - Category 2  
SERIOUS EYE DAMAGE - Category 1  
SKIN SENSITIZATION - Category 1B  
CARCINOGENICITY - Category 1  
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3  
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (hearing organs) - Category 1  
Health Hazards Not Otherwise Classified - Category 1

### GHS label elements

## Section 2. Hazard identification

**Hazard pictograms****Signal word**

: Danger

**Hazard statements**

: Flammable liquid and vapor.  
Harmful if inhaled.  
Causes serious eye damage.  
Causes skin irritation.  
Prolonged or repeated contact may dry skin and cause irritation.  
May cause an allergic skin reaction.  
May cause cancer.  
May cause respiratory irritation.  
Causes damage to organs through prolonged or repeated exposure. (hearing organs)

**Precautionary statements****Prevention**

: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear protective clothing. Wear eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

**Response**

: Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.

**Storage**

: Store locked up.

**Disposal**

: Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Supplemental label elements**

: Sanding and grinding dusts may be harmful if inhaled. This product contains crystalline silica which can cause lung cancer or silicosis. The risk of cancer depends on the duration and level of exposure to dust from sanding surfaces or mist from spray applications. Repeated exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. This product either contains formaldehyde or is capable of releasing formaldehyde above 0.5 ppm under certain conditions. Formaldehyde is a known cancer hazard, a skin sensitizer and a respiratory sensitizer. Avoid contact with skin and clothing. Wash thoroughly after handling. Emits toxic fumes when heated.

Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 15.5% (Oral), 53.9% (Dermal), 62.3% (Inhalation)

## Section 3. Composition/information on ingredients

Substance/mixture	: Mixture
Product name	: SIGMAPRIME 200 BASE YELLOW GREEN
Other means of identification	: Not available.

### CAS number/other identifiers

Ingredient name	Synonyms	% (w/w)	CAS number
alc , not containing asbestiform fibres	Not available.	10 - 30*	14807-96-6
Epoxy Resin (700<MW<=1100)	Not available.	10 - 30*	25036-25-3
crystalline silica, respirable powder (<10 microns)	Not available.	10 - 30*	14808-60-7
xylene	Not available.	10 - 30*	1330-20-7
Solvent naphtha (petroleum), heavy arom.	Not available.	1 - 5*	64742-94-5
Aluminium powder (stabilized).	Not available.	1 - 5*	7429-90-5
2-methylpropan-1-ol	Not available.	1 - 5*	78-83-1
ethylbenzene	Not available.	1 - 5*	100-41-4
1-methoxy-2-propanol	Not available.	1 - 5*	107-98-2
1,2,4,5-tetramethylbenzene	Not available.	1 - 5*	95-93-2
Phenol, styrenated	Not available.	1 - 5*	61788-44-1
naphthalene	Not available.	0.1 - 1*	91-20-3
cumene	Not available.	0.1 - 1*	98-82-8

\*Any concentration shown as a range is to protect confidentiality.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First-aid measures

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

### Description of necessary first aid measures

<b>Eye contact</b>	: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
<b>Inhalation</b>	: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
<b>Skin contact</b>	: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.
<b>Ingestion</b>	: If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

<b>Eye contact</b>	: Causes serious eye damage.
<b>Inhalation</b>	: Harmful if inhaled. May cause respiratory irritation.
<b>Skin contact</b>	: Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.
<b>Ingestion</b>	: No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

## Section 4. First-aid measures

- Eye contact** : Adverse symptoms may include the following:  
pain  
watering  
redness
- Inhalation** : Adverse symptoms may include the following:  
respiratory tract irritation  
coughing
- Skin contact** : Adverse symptoms may include the following:  
pain or irritation  
redness  
dryness  
cracking  
blistering may occur
- Ingestion** : Adverse symptoms may include the following:  
stomach pains

### Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician** : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : 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. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.
- Unsuitable extinguishing media** : Do not use water jet.

- Specific hazards arising from the chemical** : Flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon oxides  
nitrogen oxides  
metal oxide/oxides  
Formaldehyde.
- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : 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. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized 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 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).

### Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. 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. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. 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). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

## Section 7. Handling and storage

**Special precautions** : Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Vapors are heavier than air and may spread along floors. If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.


**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 contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

**Conditions for safe storage, including any incompatibilities** : Store between the following temperatures: 0 to 35°C (32 to 95°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. 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

Ingredient name	Exposure limits
 alc , not containing asbestiform fibres	<p><b>CA British Columbia Provincial (Canada, 5/2019).</b> TWA: 2 mg/m<sup>3</sup> 8 hours. Form: Respirable TWA: 0.1 f/cc 8 hours.</p> <p><b>CA Ontario Provincial (Canada).</b> TWA: 2 ppb Form: Respirable TWA: 2 mg/m<sup>3</sup> Form: Respirable</p> <p><b>CA Quebec Provincial (Canada, 1/2014).</b> TWAEV: 3 mg/m<sup>3</sup> 8 hours. Form: Respirable dust.</p> <p><b>CA Alberta Provincial (Canada, 6/2018).</b> 8 hrs OEL: 2 mg/m<sup>3</sup> 8 hours. Form: Respirable particulate</p> <p><b>CA Saskatchewan Provincial (Canada, 7/2013).</b> TWA: 2 mg/m<sup>3</sup> 8 hours. Form: respirable fraction</p>
Epoxy Resin (700<MW<=1100) crystalline silica, respirable powder (<10 microns)	<p>None.</p> <p><b>CA British Columbia Provincial (Canada, 5/2019).</b> TWA: 0.025 mg/m<sup>3</sup> 8 hours. Form: Respirable</p> <p><b>CA Ontario Provincial (Canada, 1/2018).</b> TWA: 0.1 mg/m<sup>3</sup> 8 hours. Form: Respirable</p> <p><b>CA Quebec Provincial (Canada, 1/2014).</b> TWAEV: 0.1 mg/m<sup>3</sup> 8 hours. Form: Respirable dust.</p> <p><b>CA Alberta Provincial (Canada, 6/2018).</b></p>

## Section 8. Exposure controls/personal protection

xylene	<p>8 hrs OEL: 0.025 mg/m<sup>3</sup> 8 hours. Form: Respirable particulate  <b>CA Saskatchewan Provincial (Canada, 7/2013).</b>  TWA: 0.05 mg/m<sup>3</sup> 8 hours. Form: respirable fraction  <b>CA Alberta Provincial (Canada, 6/2018).</b>  15 min OEL: 651 mg/m<sup>3</sup> 15 minutes.  15 min OEL: 150 ppm 15 minutes.  8 hrs OEL: 434 mg/m<sup>3</sup> 8 hours.  8 hrs OEL: 100 ppm 8 hours.  <b>CA British Columbia Provincial (Canada, 5/2019).</b>  STEL: 150 ppm 15 minutes.  TWA: 100 ppm 8 hours.  <b>CA Quebec Provincial (Canada, 1/2014).</b>  STEV: 651 mg/m<sup>3</sup> 15 minutes.  STEV: 150 ppm 15 minutes.  TWAEV: 434 mg/m<sup>3</sup> 8 hours.  TWAEV: 100 ppm 8 hours.  <b>CA Ontario Provincial (Canada, 1/2018).</b>  STEL: 150 ppm 15 minutes.  TWA: 100 ppm 8 hours.  <b>CA Saskatchewan Provincial (Canada, 7/2013).</b>  STEL: 150 ppm 15 minutes.  TWA: 100 ppm 8 hours.</p>
Solvent naphtha (petroleum), heavy arom. aluminium powder (stabilised)	<p>None.  <b>CA Quebec Provincial (Canada, 1/2014).</b>  TWAEV: 10 mg/m<sup>3</sup>, (as Al) 8 hours. Form:  <b>CA Alberta Provincial (Canada, 6/2018).</b>  <b>Skin sensitizer.</b>  8 hrs OEL: 10 mg/m<sup>3</sup>, ( ) 8 hours. Form: Metal Dust  <b>CA Saskatchewan Provincial (Canada, 7/2013).</b>  STEL: 20 mg/m<sup>3</sup>, (measured as Al) 15 minutes. Form: Metal dust  TWA: 10 mg/m<sup>3</sup>, (measured as Al) 8 hours. Form: Metal dust  STEL: 10 mg/m<sup>3</sup>, (measured as Al) 15 minutes. Form: Pyro powder  TWA: 5 mg/m<sup>3</sup>, (measured as Al) 8 hours. Form: Pyro powder  <b>CA British Columbia Provincial (Canada, 5/2019).</b>  TWA: 1 mg/m<sup>3</sup> 8 hours. Form: Respirable  <b>CA Ontario Provincial (Canada, 1/2018).</b>  TWA: 1 mg/m<sup>3</sup> 8 hours. Form: Respirable fraction.  <b>CA Alberta Provincial (Canada, 6/2018).</b>  <b>Skin sensitizer.</b>  8 hrs OEL: 152 mg/m<sup>3</sup> 8 hours.  8 hrs OEL: 50 ppm 8 hours.  <b>CA British Columbia Provincial (Canada,</b></p>
2-methylpropan-1-ol	

## Section 8. Exposure controls/personal protection

ethylbenzene	<p>5/2019). TWA: 50 ppm 8 hours. <b>CA Ontario Provincial (Canada, 1/2018).</b> TWA: 50 ppm 8 hours. <b>CA Quebec Provincial (Canada, 1/2014).</b> TWAEV: 152 mg/m<sup>3</sup> 8 hours. TWAEV: 50 ppm 8 hours. <b>CA Saskatchewan Provincial (Canada, 7/2013).</b> STEL: 60 ppm 15 minutes. TWA: 50 ppm 8 hours.</p> <p><b>CA Alberta Provincial (Canada, 6/2018).</b> 15 min OEL: 543 mg/m<sup>3</sup> 15 minutes. 15 min OEL: 125 ppm 15 minutes. 8 hrs OEL: 434 mg/m<sup>3</sup> 8 hours. 8 hrs OEL: 100 ppm 8 hours. <b>CA British Columbia Provincial (Canada, 5/2019).</b> TWA: 20 ppm 8 hours. <b>CA Ontario Provincial (Canada, 1/2018).</b> TWA: 20 ppm 8 hours. <b>CA Quebec Provincial (Canada, 1/2014).</b> STEV: 543 mg/m<sup>3</sup> 15 minutes. STEV: 125 ppm 15 minutes. TWAEV: 434 mg/m<sup>3</sup> 8 hours. TWAEV: 100 ppm 8 hours. <b>CA Saskatchewan Provincial (Canada, 7/2013).</b> STEL: 125 ppm 15 minutes. TWA: 100 ppm 8 hours.</p>
1-methoxy-2-propanol	<p><b>CA Alberta Provincial (Canada, 6/2018).</b> 15 min OEL: 553 mg/m<sup>3</sup> 15 minutes. 15 min OEL: 150 ppm 15 minutes. 8 hrs OEL: 369 mg/m<sup>3</sup> 8 hours. 8 hrs OEL: 100 ppm 8 hours. <b>CA British Columbia Provincial (Canada, 5/2019).</b> STEL: 100 ppm 15 minutes. TWA: 50 ppm 8 hours. <b>CA Ontario Provincial (Canada, 1/2018).</b> STEL: 100 ppm 15 minutes. TWA: 50 ppm 8 hours. <b>CA Quebec Provincial (Canada, 1/2014).</b> STEV: 553 mg/m<sup>3</sup> 15 minutes. STEV: 150 ppm 15 minutes. TWAEV: 369 mg/m<sup>3</sup> 8 hours. TWAEV: 100 ppm 8 hours. <b>CA Saskatchewan Provincial (Canada, 7/2013).</b> STEL: 150 ppm 15 minutes. TWA: 100 ppm 8 hours.</p>
1,2,4,5-tetramethylbenzene Phenol, styrenated naphthalene	<p>None. None. <b>CA Alberta Provincial (Canada, 6/2018).</b></p>



## Section 8. Exposure controls/personal protection

cumene

### Absorbed through skin.

15 min OEL: 79 mg/m<sup>3</sup> 15 minutes.

15 min OEL: 15 ppm 15 minutes.

8 hrs OEL: 52 mg/m<sup>3</sup> 8 hours.

8 hrs OEL: 10 ppm 8 hours.

### CA British Columbia Provincial (Canada, 5/2019). Absorbed through skin.

TWA: 10 ppm 8 hours.

### CA Ontario Provincial (Canada, 1/2018).

#### Absorbed through skin.

TWA: 10 ppm 8 hours.

### CA Quebec Provincial (Canada, 1/2014).

STEV: 79 mg/m<sup>3</sup> 15 minutes.

STEV: 15 ppm 15 minutes.

TWAEV: 52 mg/m<sup>3</sup> 8 hours.

TWAEV: 10 ppm 8 hours.

### CA Saskatchewan Provincial (Canada, 7/2013). Absorbed through skin.

STEL: 15 ppm 15 minutes.

TWA: 10 ppm 8 hours.

### CA Alberta Provincial (Canada, 6/2018).

8 hrs OEL: 246 mg/m<sup>3</sup> 8 hours.

8 hrs OEL: 50 ppm 8 hours.

### CA British Columbia Provincial (Canada, 5/2019).

STEL: 75 ppm 15 minutes.

TWA: 25 ppm 8 hours.

### CA Ontario Provincial (Canada, 1/2018).

#### Absorbed through skin.

TWA: 50 ppm 8 hours.

### CA Quebec Provincial (Canada, 1/2014).

TWAEV: 246 mg/m<sup>3</sup> 8 hours.

TWAEV: 50 ppm 8 hours.

### CA Saskatchewan Provincial (Canada, 7/2013).

STEL: 74 ppm 15 minutes.

TWA: 50 ppm 8 hours.

### Consult local authorities for acceptable exposure limits.

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**Appropriate engineering controls** : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

## Section 8. Exposure controls/personal protection

**Environmental exposure controls** : 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.

### Individual protection measures

**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. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Chemical splash goggles and face shield.

### Skin protection

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Gloves** : butyl rubber

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** : Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

## Section 9. Physical and chemical properties

### Appearance

**Physical state** : Liquid.

**Color** : Green.

**Odor** : Aromatic.

**Odor threshold** : Not available.

**pH** : Not available.

**Melting point** : Not available.

**Boiling point** : >37.78°C (>100°F)

**Flash point** : Closed cup: 28°C (82.4°F)

**Auto-ignition temperature** : Not available.

**Decomposition temperature** : Not available.

**Flammability (solid, gas)** : Not available.

## Section 9. Physical and chemical properties

<b>Lower and upper explosive (flammable) limits</b>	: Not available.
<b>Evaporation rate</b>	: Not available.
<b>Vapor pressure</b>	: Not available.
<b>Vapor density</b>	: Not available.
<b>Relative density</b>	: 1.42
<b>Density ( lbs / gal )</b>	: 11.85
<b>Solubility</b>	: Insoluble in the following materials: cold water.
<b>Partition coefficient: n-octanol/water</b>	: Not available.
<b>Viscosity</b>	: Kinematic (40°C (104°F)): >0.21 cm <sup>2</sup> /s (>21 cSt)
<b>Volatility</b>	: 36% (v/v), 25.229% (w/w)
<b>% Solid. (w/w)</b>	: 74.771

## Section 10. Stability and reactivity

<b>Reactivity</b>	: No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical stability</b>	: The product is stable.
<b>Possibility of hazardous reactions</b>	: Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	: When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.
<b>Incompatible materials</b>	: Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.
<b>Hazardous decomposition products</b>	: Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Epoxy Resin (700<MW <=1100)	LD50 Dermal	Rat	>2000 mg/kg	-
xylene	LD50 Oral	Rat	>2000 mg/kg	-
	LD50 Dermal	Rabbit	>1.7 g/kg	-
	LD50 Oral	Rat	4.3 g/kg	-
Solvent naphtha (petroleum), heavy arom.	LC50 Inhalation Dusts and mists	Rat	>5.2 mg/l	4 hours
	LD50 Oral	Rat	>5 g/kg	-
aluminium powder (stabilised)	LC50 Inhalation Dusts and mists	Rat	>5 mg/l	4 hours
	LD50 Oral	Rat	>15900 mg/kg	-
2-methylpropan-1-ol	LD50 Oral	Rat	>15900 mg/kg	-
	LC50 Inhalation Vapor	Rat	24.6 mg/l	4 hours

**Section 11. Toxicological information**

ethylbenzene	LD50 Dermal	Rabbit	2460 mg/kg	-
	LD50 Oral	Rat	2830 mg/kg	-
	LC50 Inhalation Vapor	Rat	17.8 mg/l	4 hours
1-methoxy-2-propanol	LD50 Dermal	Rabbit	17.8 g/kg	-
	LD50 Oral	Rat	3.5 g/kg	-
	LD50 Dermal	Rabbit	13 g/kg	-
1,2,4,5-tetramethylbenzene	LD50 Oral	Rat	5.2 g/kg	-
	LD50 Oral	Rat	6700 mg/kg	-
	LD50 Dermal	Rabbit	>5010 mg/kg	-
Phenol, styrenated	LD50 Oral	Rat	3550 mg/kg	-
	LD50 Dermal	Rabbit	>20 g/kg	-
	LD50 Oral	Rat	490 mg/kg	-
naphthalene	LD50 Dermal	Rabbit	>20 g/kg	-
	LD50 Oral	Rat	490 mg/kg	-
	LC50 Inhalation Vapor	Rat	39000 mg/m <sup>3</sup>	4 hours
cumene	LD50 Dermal	Rabbit	12.3 g/kg	-
	LD50 Oral	Rat	1400 mg/kg	-

**Conclusion/Summary** : There are no data available on the mixture itself.

**Irritation/Corrosion**

Product/ingredient name	Result	Species	Score	Exposure	Observation
xylene	Skin - Moderate irritant	Rabbit	-	24 hours 500 mg	-

**Conclusion/Summary**

- Skin** : There are no data available on the mixture itself.  
**Eyes** : There are no data available on the mixture itself.  
**Respiratory** : There are no data available on the mixture itself.

**Sensitization**

Product/ingredient name	Route of exposure	Species	Result
Phenol, styrenated	skin	Mouse	Sensitizing

- Skin** : There are no data available on the mixture itself.  
**Respiratory** : There are no data available on the mixture itself.

**Mutagenicity**

**Conclusion/Summary** : There are no data available on the mixture itself.

**Carcinogenicity**

**Conclusion/Summary** : There are no data available on the mixture itself.

**Classification**

Product/ingredient name	OSHA	IARC	NTP
crystalline silica, respirable powder (<10 microns)	-	1	Known to be a human carcinogen.
xylene	-	3	-
ethylbenzene	-	2B	-
naphthalene	-	2B	Reasonably anticipated to be a human carcinogen.
cumene	-	2B	Reasonably anticipated to be a human carcinogen.

**Carcinogen Classification code:**

IARC: 1, 2A, 2B, 3, 4

NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen

OSHA: +

Not listed/not regulated: -

**Reproductive toxicity**

## Section 11. Toxicological information

**Conclusion/Summary** : There are no data available on the mixture itself.

### Teratogenicity

**Conclusion/Summary** : There are no data available on the mixture itself.

### Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Calc, not containing asbestiform fibres	Category 3	Not applicable.	Respiratory tract irritation
xylene	Category 3	Not applicable.	Respiratory tract irritation
Solvent naphtha (petroleum), heavy arom.	Category 3	Not applicable.	Narcotic effects
2-methylpropan-1-ol	Category 3	Not applicable.	Narcotic effects
1-methoxy-2-propanol	Category 3	Not applicable.	Respiratory tract irritation
1,2,4,5-tetramethylbenzene	Category 3	Not applicable.	Narcotic effects
cumene	Category 3	Not applicable.	Respiratory tract irritation

### Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
crystalline silica, respirable powder (<10 microns)	Category 1	Inhalation	Not determined
ethylbenzene	Category 2	Not determined	hearing organs
naphthalene	Category 2	Not determined	Not determined
cumene	Category 2	Not determined	Not determined

**Target organs** : Contains material which causes damage to the following organs: liver, spleen, brain, bone marrow, eye, lens or cornea.  
Contains material which may cause damage to the following organs: kidneys, lungs, the nervous system, heart, cardiovascular system, upper respiratory tract, immune system, skin, central nervous system (CNS), ears.

### Aspiration hazard

Name	Result
xylene	ASPIRATION HAZARD - Category 1
Solvent naphtha (petroleum), heavy arom.	ASPIRATION HAZARD - Category 1
ethylbenzene	ASPIRATION HAZARD - Category 1
cumene	ASPIRATION HAZARD - Category 1

### Information on the likely routes of exposure

#### Potential acute health effects

**Eye contact** : Causes serious eye damage.  
**Inhalation** : Harmful if inhaled. May cause respiratory irritation.  
**Skin contact** : Causes skin irritation. Defatting to the skin. May cause an allergic skin reaction.  
**Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

## Section 11. Toxicological information

- Eye contact** : Adverse symptoms may include the following:  
pain  
watering  
redness
- Inhalation** : Adverse symptoms may include the following:  
respiratory tract irritation  
coughing
- Skin contact** : Adverse symptoms may include the following:  
pain or irritation  
redness  
dryness  
cracking  
blistering may occur
- Ingestion** : Adverse symptoms may include the following:  
stomach pains

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

- Conclusion/Summary** : There are no data available on the mixture itself. This product either contains formaldehyde or is capable of releasing formaldehyde above 0.5 ppm under certain conditions. Formaldehyde is a known cancer hazard, a skin sensitizer and a respiratory sensitizer. This product contains crystalline silica which can cause lung cancer or silicosis. The risk of cancer depends on the duration and level of exposure to dust from sanding surfaces or mist from spray applications. Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. There is some evidence that repeated exposure to organic solvent vapors in combination with constant loud noise can cause greater hearing loss than expected from exposure to noise alone. If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

### Short term exposure

- Potential immediate effects** : There are no data available on the mixture itself.
- Potential delayed effects** : There are no data available on the mixture itself.

### Long term exposure

- Potential immediate effects** : There are no data available on the mixture itself.
- Potential delayed effects** : There are no data available on the mixture itself.

### Potential chronic health effects

- General** : Causes damage to organs through prolonged or repeated exposure. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
- Carcinogenicity** : May cause cancer. Risk of cancer depends on duration and level of exposure.
- Mutagenicity** : No known significant effects or critical hazards.

## Section 11. Toxicological information

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
SIGMAPRIME 200 BASE YELLOW GREEN	6562.3	2174.1	N/A	27.1	3.5
Epoxy Resin (700<MW<=1100)	2500	2500	N/A	N/A	N/A
xylene	4300	1100	N/A	11	1.5
2-methylpropan-1-ol	2830	2460	N/A	24.6	N/A
ethylbenzene	3500	17800	N/A	17.8	1.5
1-methoxy-2-propanol	5200	13000	N/A	N/A	N/A
1,2,4,5-tetramethylbenzene	6700	N/A	N/A	N/A	N/A
Phenol, styrenated	3550	N/A	N/A	N/A	N/A
naphthalene	490	N/A	N/A	N/A	N/A
cumene	1400	12300	N/A	39	N/A

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
Solvent naphtha (petroleum), heavy arom.	NOEL 0.48 mg/l Fresh water	Daphnia	21 days
2-methylpropan-1-ol	Acute EC50 1100 mg/l	Daphnia	48 hours
ethylbenzene	Acute LC50 150 to 200 mg/l Fresh water	Fish	96 hours
1-methoxy-2-propanol	Acute LC50 23300 mg/l	Daphnia	48 hours
Phenol, styrenated	Acute LC50 >4500 mg/l Fresh water	Fish	96 hours
	Acute EC50 3.8 mg/l	Daphnia	48 hours

### Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
Phenol, styrenated	OECD 301F	7 % - Not readily - 28 days	-	-

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
xylene	-	-	Readily
ethylbenzene	-	-	Readily
Phenol, styrenated	-	-	Not readily

### Bioaccumulative potential

## Section 12. Ecological information

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
Xylene	3.16	7.4 to 18.5	low
2-methylpropan-1-ol	0.76	-	low
ethylbenzene	3.15	79.43	low
1,2,4,5-tetramethylbenzene	4	-	high
naphthalene	3.3	85.11	low
cumene	3.66	35.48	low

### Mobility in soil

Soil/water partition coefficient (K<sub>oc</sub>) : Not available.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures

## Section 14. Transport information

	TDG	IMDG	IATA
UN number	UN1263	UN1263	UN1263
UN proper shipping name	PAINT	PAINT	PAINT
Transport hazard class (es)	3	3	3
Packing group	III	III	III
Environmental hazards	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.

### Additional information

TDG : None identified.



## Section 14. Transport information

**IMDG** : None identified.  
**IATA** : None identified.

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Proof of classification statement** : Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.18-2.19 (Class 3).

## Section 15. Regulatory information

### National Inventory List

**Canada inventory ( DSL )** : All components are listed or exempted.

## Section 16. Other information

### **Hazardous Material Information System (U.S.A.)**

**Health** : 3 \* **Flammability** : 3 **Physical hazards** : 0

(\* ) - Chronic effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on MSDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

### **National Fire Protection Association (U.S.A.)**

**Health** : 3 **Flammability** : 3 **Instability** : 0

**Date of issue/Date of revision** : 22 February 2020

**Organization that prepared the MSDS** : EHS

**Key to abbreviations** :

- ATE = Acute Toxicity Estimate
- BCF = Bioconcentration Factor
- GHS = Globally Harmonized System of Classification and Labelling of Chemicals
- IATA = International Air Transport Association
- IBC = Intermediate Bulk Container
- IMDG = International Maritime Dangerous Goods
- LogPow = logarithm of the octanol/water partition coefficient
- MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
- N/A = Not available
- SGG = Segregation Group
- UN = United Nations

▀ Indicates information that has changed from previously issued version.

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