# **SAFETY DATA SHEET**



Date of issue/Date of revision 29 August 2024 Version 3

Section 1. Identification		
Product name	: SIGMACOVER 456 BASE GREEN 4171	
Product code	: 00445473	
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.	
Manufacturer	: PPG Industries, Inc. One PPG Place Pittsburgh, PA 15272	
<u>Emergency telephone</u> <u>number</u>	: (412) 434-4515 (U.S.) (514) 645-1320 (Canada) SETIQ Interior de la República: 800-00-214-00 (México) SETIQ Ciudad de México: (55) 5559-1588 (México)	
Technical Phone Number	: 888-977-4762	

# Section 2. Hazards identification

OSHA/HCS status	<ul> <li>This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).</li> </ul>
Classification of the substance or mixture	<ul> <li>FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (inhalation) - Category 4 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1 CARCINOGENICITY - Category 1A TOXIC TO REPRODUCTION - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2</li> <li>Fercentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 52.1% (oral), 57.1% (dermal), 68.1% (inhalation)</li> </ul>

### Product name SIGMACOVER 456 BASE GREEN 4171

### Section 2. Hazards identification

This product contains TiO2 which has been classified as a GHS Carcinogen Category 2 based on its IARC 2B classification. For many products, TiO2 is utilized as a raw material in a liquid coating formulation. In this case, the TiO2 particles are bound in a matrix with no meaningful potential for human exposure to unbound particles of TiO2 when the product is applied with a brush or roller. Sanding the coating surface or mist from spray applications may be harmful depending on the duration and level of exposure and require the use of appropriate personal protective equipment and/or engineering controls (see Section 8).

GHS label elements	
Hazard pictograms	
Signal word	: Danger
Hazard statements	<ul> <li>Flammable liquid and vapor. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause respiratory irritation. May cause cancer. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure. (hearing organs)</li> </ul>
Precautionary statements	
Prevention	: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating or lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.
Response	: IF exposed or concerned: Get medical advice or attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.
Storage	: Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.
Disposal	: Dispose of contents and container in accordance with all local, regional, national and international regulations.

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### Section 2. Hazards identification

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. Avoid contact with skin and clothing. Wash thoroughly after handling. Emits toxic fumes when heated.
Hazards not otherwise classified	: Prolonged or repeated contact may dry skin and cause irritation.

### Section 3. Composition/information on ingredients

Substance/mixture Product name : Mixture

: SIGMACOVER 456 BASE GREEN 4171

Ingredient name	%	CAS number
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro- 2,3-epoxypropane, reaction products with fatty acids, C18-unsatd., dimers	≥20 - ≤50	67989-52-0
xylene	≥20 - ≤26	1330-20-7
crystalline silica, respirable powder (>10 microns)	≥20 - ≤50	14808-60-7
barium sulfate	≥10 - ≤13	7727-43-7
Talc , not containing asbestiform fibres	≥1.0 - ≤5.0	14807-96-6
titanium dioxide	≥1.0 - ≤5.0	13463-67-7
ethylbenzene	≥1.0 - ≤5.0	100-41-4
2-methylpropan-1-ol	≤1.2	78-83-1
toluene	<1.0	108-88-3

SUB codes represent substances without registered CAS Numbers.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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** 

Eye contact	: Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.
Inhalation	: 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.
Skin contact	: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.

### Section 4. First aid measures

Ingestion

: 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 e	ffects
Eye contact	: Causes serious eye irritation.
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.
<u>Over-exposure signs/sy</u>	<u>/mptoms</u>
Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing reduced fetal weight increase in fetal deaths skeletal malformations
Skin contact	: Adverse symptoms may include the following: irritation redness dryness cracking reduced fetal weight increase in fetal deaths skeletal malformations
Ingestion	: Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
ndication of immediate i	medical attention and special treatment needed, if necessary
Notes to physician	: Treat symptomatically. Contact poison treatment specialist immediately if large

Notes to physician
 Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
 Specific treatments
 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. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.	
Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon oxides sulfur oxides halogenated compounds metal oxide/oxides	
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. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	:	
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 co	ont	ainment 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.

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### Section 6. Accidental release measures

#### 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. Avoid exposure during pregnancy. 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.
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**

2.3-epoxypropane, reaction products with fatty acids, C18-unsatd., dimers kylene (Xylene) (Xylenes] TWA: 435 mg/m <sup>2</sup> 8 hours. TWA: 100 ppm 8 hours. CGHI TLV (United States, 7/2023), [p- xylene and mXtures containing p-xylene] Ototoxicant. TWA: 20 ppm 8 hours. CGHI TLV (United States, 7/2023), [Silica, Crystalline] TWA: 0.025 mg/m <sup>3</sup> 8 hours. Form: Respirable OSHA PEL (Xylene States, 7/2023), [Silica, Crystalline] TWA: 0.025 mg/m <sup>3</sup> 8 hours. Form: Respirable OSHA PEL (United States, 7/2023), [Silica, Crystalline] TWA: 0.025 mg/m <sup>3</sup> 8 hours. Form: Respirable OSHA PEL (United States, 7/2018), [Silica, Crystalline] TWA: 0.025 mg/m <sup>3</sup> 8 hours. Form: Respirable OSHA PEL (United States, 5/2018), [Silica, Crystalline] TWA: 0.025 mg/m <sup>3</sup> 8 hours. Form: Respirable MA: 250 mppof / (%SiO <sub>2</sub> +2) 8 hours. Form: Respirable OSHA PEL (United States, 5/2018), [Silica, Crystalline] TWA: 50 µg/m <sup>3</sup> 8 hours. Form: Respirable MA: 50 µg/m <sup>3</sup> 8 hours. Form: Respirable fraction TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction TWA: 2 mg/m <sup>3</sup> 8 hours. Form: Respirable SHA PEL (United States, 5/2018), TWA: 2 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust ACGH TLV (United States, 5/2018), TWA: 2 mg/m <sup>3</sup> 8 hours. Form: respirable fraction, finescale particles ACGH TLV (United States, 7/2023), TWA: 2 mg/m <sup>3</sup> 8 hours. Form: respirable fraction, finescale particles ACGH TLV (United States, 7/2023), TWA: 2.5 mg/m <sup>3</sup> 8 hours. Form: respirable fraction, finescale particles ACGH TLV (United States, 7/2023), TWA: 2.5 mg/m <sup>3</sup> 8 hours. SHA PEL (United States, 7/2023), Clotoxicant. TWA: 2.0 ppm 8 hours. CGH TLV (United States, 7/2023), Clotoxicant. TWA: 100 ppm 8 hours. CGH TLV (United States, 7/2023), Clotoxicant. TWA: 100 ppm 8 hours. ACGH TLV (United States, 7/2023), Clotoxicant. TWA: 100 ppm 8 hours. CHA PEL (United States, 7/2023), Cloto	Ingredient name	Exposure limits
xylene       OSHA PEL (United States, 5/2018).         [Xylenes]       TWA: 435 mg/m <sup>2</sup> 8 hours.         crystalline silica, respirable powder (>10 microns)       TWA: 435 mg/m <sup>2</sup> 8 hours.         crystalline silica, respirable powder (>10 microns)       ACGH TLV (United States, 7/2023). [5ilica, crystalline]         TWA: 0.025 mg/m <sup>2</sup> 8 hours. Form:       Respirable         OSHA PEL 23 (United States, 6/2016).       TWA: 0.025 mg/m <sup>2</sup> 8 hours. Form:         Respirable       OSHA PEL 23 (United States, 6/2016).         TWA: 200 pm 8 hours.       Form:         Respirable       TWA: 250 mpcf / (%SiO <sub>2</sub> +5) 8 hours. Form:         barium sulfate       CGH TLV (United States, 5/2018). [Silica, crystalline]         TWA: 50 µg/m <sup>3</sup> 8 hours. Form: Inslable       TWA: 50 µg/m <sup>3</sup> 8 hours. Form: Inslable         barium sulfate       ACGH TLV (United States, 7/2023).         Talc , not containing asbestiform fibres       TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Total dust         Talc , not containing asbestiform fibres       TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust         ACGH TLV (United States, 7/2023).       TWA: 2 mg/m <sup>3</sup> titanium dioxide       SHA PEL (United States, 7/2023).         titanium dioxide       SHA PEL (United States, 7/2023).         titanium dioxide       SHA PEL (United States, 7/2023).         titanium dioxide       SHA PEL (United States, 7/2023	4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro- 2,3-epoxypropane, reaction products with fatty acids, C18-unsatd.,	None.
(Xylenes)         TWA: 435 mg/m <sup>3</sup> 8 hours.         TWA: 435 mg/m <sup>3</sup> 8 hours.         TWA: 435 mg/m <sup>3</sup> 8 hours.         Crystalline silica, respirable powder (>10 microns)         ACGIH TLV (United States, 7/2023). [5ilica, crystalline]         Ottoxicant.         TWA: 20 ppm 8 hours.         ACGIH TLV (United States, 7/2023). [Silica, crystalline]         Ottoxicant.         TWA: 20 ppm 8 hours.         ACGIH TLV (United States, 7/2023). [Silica, crystalline]         TWA: 20 ppm 8 hours.         Form:         Respirable         OSHA PEL Z3 (United States, 5/2016).         TWA: 10 mg/m <sup>2</sup> / (%SiO <sub>2</sub> +2) 8 hours. Form:         Respirable         OSHA PEL Z3 (United States, 5/2018).         TWA: 50 ug/m <sup>3</sup> 8 hours. Form: Respirable         TWA: 50 ug/m <sup>3</sup> 8 hours. Form: Respirable         dust         ACGIH TLV (United States, 5/2018).         TWA: 50 mg/m <sup>3</sup> 8 hours. Form: Respirable         fraction         OSHA PEL (United States, 5/2018).         TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust         ACGIH TLV (United States, 7/2023).         TWA: 20 mg/m <sup>3</sup> 8 hours. Form: respirable         fraction         OSHA PEL (United States, 7/2023).         TWA: 20 mg/m <sup>3</sup> 8 hours. Form: respirable <td></td> <td>OSHA DEL (United States 5/2019)</td>		OSHA DEL (United States 5/2019)
<ul> <li><sup>1</sup> TWA: 435 mg/m<sup>3</sup> 8 hours. TWA: 100 ppm 8 hours. ACGIH TLV (United States, 7/2023), [p- xylene and mixtures containing p-xylene] Ototoxicant. TWA: 20 ppm 8 hours. ACGIH TLV (United States, 7/2023), [Silica, crystalline] TWA: 0.025 mg/m<sup>3</sup> 8 hours. Form: Respirable</li> <li>OSHA PEL 23 (United States, 6/2016). TWA: 250 mg/m<sup>3</sup> (%Si(0<sub>2</sub>+2) 8 hours. Form: Respirable</li> <li>OSHA PEL 23 (United States, 5/2018). [Silica, crystalline] TWA: 50 µg/m<sup>3</sup> 8 hours. Form: Respirable</li> <li>OSHA PEL (United States, 5/2018). [Silica, crystalline] TWA: 50 µg/m<sup>3</sup> 8 hours. Form: Respirable</li> <li>TWA: 50 µg/m<sup>3</sup> 8 hours. Form: Respirable</li> <li>OSHA PEL (United States, 5/2018). [Silica, crystalline]</li> <li>TWA: 50 µg/m<sup>3</sup> 8 hours. Form: Respirable</li> <li>fraction</li> <li>TWA: 5 mg/m<sup>3</sup> 8 hours. Form: Respirable</li> <li>fraction</li> <li>TWA: 5 mg/m<sup>3</sup> 8 hours. Form: Respirable</li> <li>fraction</li> <li>TWA: 2 mg/m<sup>3</sup> 8 hours. Form: Total dust</li> <li>ACGIH TLV (United States, 5/2018).</li> <li>TWA: 2 mg/m<sup>3</sup> 8 hours. Form: Respirable</li> <li>fraction</li> <li>TWA: 2 mg/m<sup>3</sup> 8 hours. Form: Total dust</li> <li>ACGIH TLV (United States, 7/2023).</li> <li>TWA: 2 mg/m<sup>3</sup> 8 hours. Form: Respirable</li> <li>fraction</li> <li>TWA: 2 mg/m<sup>3</sup> 8 hours. Form: Respirable</li> <li>fraction</li> <li>TWA: 2 mg/m<sup>3</sup> 8 hours. Form: Total dust</li> <li>ACGIH TLV (United States, 7/2023).</li> <li>TWA: 2 mg/m<sup>3</sup> 8 hours. Form: respirable</li> <li>fraction, finescale particles</li> <li>ACGIH TLV (United States, 7/2023).</li> <li>TWA: 20 ppm 8 hours.</li> <li>CSHA PEL (United States, 7/2023).</li> <li>TWA: 20 ppm 8 hours.</li> <li>CSHA PEL (United States, 7/2023).</li> <li>TWA: 20 ppm 8 hours.</li> <li>CSHA PEL (United States, 7/2023).</li> <li>TWA: 20 ppm 8 hours.</li> <li>CSHA PEL (United States, 7/2023).</li> <li>TWA: 20 ppm 8 hours.</li> </ul>	хујене	•
TWA: 100 ppm 8 hours.         ACGIH TLV (United States, 7/2023). [p-xylene]         Otoxicant.         TWA: 20 ppm 8 hours.         ACGIH TLV (United States, 7/2023). [Silica, crystalline]         TWA: 20 ppm 8 hours.         ACGIH TLV (United States, 7/2023). [Silica, crystalline]         TWA: 20 ppm 8 hours.         ACGIH TLV (United States, 6/2016).         TWA: 100 mg/m² (%SiO <sub>2</sub> +2) 8 hours. Form: Respirable         OSHA PEL Z3 (United States, 5/2018). [Silica, crystalline]         TWA: 50 up/m² hours. Form: Respirable         OSHA PEL (United States, 5/2018). [Silica, crystalline]         TWA: 50 ug/m² 8 hours. Form: Respirable         dust         barium sulfate         Falc., not containing asbestiform fibres         Talc., not containing asbestiform fibres         Talc., not containing asbestiform fibres         tittanium dioxide         SHA PEL Z3 (United States, 7/2023).         TWA: 25 mg/m² 8 hours. Form: Respirable         OSHA PEL Z3 (United States, 7/2023).         TWA: 25 mg/m² 8 hours. Form: Respirable         fraction         OSHA PEL Z3 (United States, 7/2023).         TWA: 25 mg/m² 8 hours. Form: Total dust         ACGIH TLV (United States, 7/2023).         TWA: 25 mg/m² 8 hours. Form: respirable         fraction		
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xylene and mixtures containing p-xylene] Ototoxicant.         TWA: 20 ppm 8 hours.         crystalline silica, respirable powder (>10 microns)         XGGH TLV (United States, 7/2023). [Silica, crystalline]         TWA: 0.025 mg/m³ 8 hours. Form: Respirable         OSHA PEL 23 (United States, 6/2016).         TWA: 10 mg/m³ (%SiO <sub>2</sub> +2) 8 hours. Form: Respirable         OSHA PEL (United States, 5/2018).         TWA: 20 pm 6 hours.         barium sulfate         TWA: 50 µg/m³ 8 hours. Form: Respirable dust         TWA: 50 µg/m³ 8 hours. Form: Respirable         OSHA PEL (United States, 5/2018).         TWA: 5 mg/m³ 8 hours. Form: Respirable fraction         TWA: 10 mg/m³ 8 hours. Form: Respirable fraction         TWA: 2 mg/m³ 8 hours. Form: Respirable fraction         OSHA PEL (United States, 7/2023).         TWA: 2 mg/m³ 8 hours. Form: respirable fraction         Staff TLV (United		
Orotoxicant. TWA: 20 ppm 8 hours.         ACGHT TLV (United States, 7/2023). [Silica, crystalline]         TWA: 0.025 mg/m³ 8 hours. Form: Respirable         OSHA PEL 23 (United States, 6/2016). TWA: 10 mg/m³ / (%SiO2+2) 8 hours. Form: Respirable         OSHA PEL (United States, 5/2018). TWA: 50 µg/m³ 8 hours. Form: Respirable         OSHA PEL (United States, 5/2018). [Silica, crystalline]         TWA: 50 µg/m³ 8 hours. Form: Respirable         OSHA PEL (United States, 5/2018). [Silica, crystalline]         TWA: 50 µg/m³ 8 hours. Form: Respirable         OSHA PEL (United States, 5/2018). [Silica, crystalline]         TWA: 50 µg/m³ 8 hours. Form: Respirable         dust         ACGIH TLV (United States, 5/2018).         TWA: 5 mg/m³ 8 hours. Form: Total dust         ACGIH TLV (United States, 7/2023).         TWA: 5 mg/m³ 8 hours. Form: Total dust         ACGIH TLV (United States, 7/2023).         TWA: 15 mg/m³ 8 hours. Form: Total dust         ACGIH TLV (United States, 7/2023).         TWA: 2.5 mg/m³ 8 hours. Form: Total dust         ACGIH TLV (United States, 7/2023).         TWA: 2.5 mg/m³ 8 hours. Form: Total dust         ACGIH TLV (United States, 7/2023).         TWA: 2.5 mg/m³ 8 hours. Form: Total dust         ACGIH TLV (United States, 7/2023).         TWA: 2.5 mg/m³ 8 hours.         CSHA PEL (United States, 7/2023		
crystalline silica, respirable powder (>10 microns)       TWA: 20 ppm 8 hours.         ACGIH TLV (United States, 7/2023). [Silica, crystalline]       TWA: 0.025 mg/m³ 8 hours. Form:         Respirable       OSHA PEL Z3 (United States, 6/2016).         TWA: 10.027 mg/m³ (%(Si)O <sub>2</sub> +2) 8 hours. Form:       Respirable         OSHA PEL (United States, 5/2018). [Silica, crystalline]       TWA: 20 mg/m³ (%(Si)O <sub>2</sub> +2) 8 hours. Form:         Respirable       OSHA PEL (United States, 5/2018). [Silica, crystalline]         TWA: 20 mg/m³ 8 hours. Form: Respirable       OSHA PEL (United States, 7/2023).         barium sulfate       ACGIH TLV (United States, 7/2023).         TWA: 50 mg/m³ 8 hours. Form: Respirable       dust         ACGIH TLV (United States, 7/2023).       TWA: 50 mg/m³ 8 hours. Form: Respirable         dust       ACGIH TLV (United States, 7/2023).         TWA: 50 mg/m³ 8 hours. Form: Respirable       fraction         Talc , not containing asbestiform fibres       ACGIH TLV (United States, 7/2023).         TWA: 2 mg/m³ 8 hours. Form: Total dust       ACGIH TLV (United States, 7/2023).         titanium dioxide       OSHA PEL (United States, 7/2023).         states, 17223).       TWA: 2 mg/m³ 8 hours. Form: Total dust         ACGIH TLV (United States, 7/2023).       TWA: 2 mg/m³ 8 hours. Form: Total dust         acGIH TLV (United States, 7/2023).       TWA: 2 mg/m³ 8 hours. Form: Total d		
crystalline silica, respirable powder (>10 microns)       ACGH TLV (United States, 7/2023). [Silica, crystalline]         TWA: 0.025 mg/m³ 8 hours. Form:       Respirable         OSHA PEL Z3 (United States, 6/2016).       TWA: 0.025 mg/m³ (%SiO <sub>2+</sub> 2) 8 hours. Form:         Respirable       OSHA PEL Z3 (United States, 6/2016).         TWA: 0.025 mg/m³ (%SiO <sub>2+</sub> 2) 8 hours. Form:       Respirable         OSHA PEL C0.025 mg/m³ (%SiO <sub>2+</sub> 5) 8 hours. Form:       Respirable         TWA: 50 mg/m³ (%SiO <sub>2+</sub> 5) 8 hours. Form:       Respirable         Darium sulfate       CGH TLV (United States, 5/2018).         barium sulfate       CGH TLV (United States, 7/2023).         TWA: 5 mg/m³ 8 hours. Form: Respirable       fraction         TWA: 5 mg/m³ 8 hours. Form: Total dust       ACGH TLV (United States, 7/2023).         TWA: 5 mg/m³ 8 hours. Form: Total dust       ACGH TLV (United States, 7/2023).         TWA: 2 mg/m³ 8 hours. Form: Respirable       fraction         TWA: 2 mg/m³ 8 hours. Form: Respirable       SHA PEL (United States, 7/2023).         TWA: 2 mg/m³ 8 hours. Form: Respirable       SHA PEL Z3 (United States, 7/2023).         TWA: 2 mg/m³ 8 hours. Form: Respirable       SHA PEL (United States, 7/2023).         TWA: 2 mg/m³ 8 hours. Form: Total dust       ACGH TLV (United States, 7/2023).         TWA: 2 mg/m³ 8 hours. Form: respirable       fraction         TWA: 2 m		
crystalline]         TWA: 0.025 mg/m³ 8 hours. Form:         Respirable         OSHA PEL Z3 (United States, 6/2016).         TWA: 10 mg/m³ / (%SiO <sub>2</sub> +2) 8 hours. Form:         Respirable         TWA: 250 mppof / (%SiO <sub>2</sub> +5) 8 hours. Form:         Respirable         TWA: 250 uppof / (%SiO <sub>2</sub> +5) 8 hours. Form:         Respirable         TWA: 50 uppof / (%SiO <sub>2</sub> +5) 8 hours. Form:         Respirable         TWA: 50 upg/m³ 8 hours. Form: Respirable         OSHA PEL (United States, 5/2018). [Silica, crystalline]         TWA: 50 mg/m³ 8 hours. Form: Respirable         dust         ACGIH TLV (United States, 5/2018).         TWA: 5 mg/m³ 8 hours. Form: Inhalable         fraction         OSHA PEL (United States, 5/2018).         TWA: 5 mg/m³ 8 hours. Form: Respirable         fuation         Talc , not containing asbestiform fibres         titanium dioxide	anvetalling ciliag, recepitable neutrat (>10 microng)	
<ul> <li>TWA: 0.025 mg/m³ 8 hours. Form: Respirable</li> <li>OSHA PEL 23 (United States, 6/2016).</li> <li>TWA: 10 mg/m³ / (%SiO<sub>2</sub>+2) 8 hours. Form: Respirable</li> <li>TWA: 20 mpcf / (%SiO<sub>2</sub>+5) 8 hours. Form: Respirable</li> <li>TWA: 250 mpcf / (%SiO<sub>2</sub>+5) 8 hours. Form: Respirable</li> <li>TWA: 50 µg/m³ 8 hours. Form: Respirable</li> <li>TWA: 50 µg/m³ 8 hours. Form: Respirable</li> <li>TWA: 50 µg/m³ 8 hours. Form: Inhalable fraction</li> <li>TWA: 5 mg/m³ 8 hours. Form: Respirable</li> <li>TWA: 5 mg/m³ 8 hours. Form: Respirable</li> <li>TWA: 5 mg/m³ 8 hours. Form: Respirable</li> <li>TWA: 5 mg/m³ 8 hours. Form: Total dust</li> <li>ACGIH TLV (United States, 7/2023).</li> <li>TWA: 2 mg/m³ 8 hours. Form: Total dust</li> <li>ACGIH TLV (United States, 5/2018).</li> <li>TWA: 2 mg/m³ 8 hours. Form: Total dust</li> <li>ACGIH TLV (United States, 5/2018).</li> <li>TWA: 2 mg/m³ 8 hours. Form: Total dust</li> <li>ACGIH TLV (United States, 5/2018).</li> <li>TWA: 2 mg/m³ 8 hours. Form: Total dust</li> <li>ACGIH TLV (United States, 5/2018).</li> <li>TWA: 20 mg/m³ 8 hours. Form: Total dust</li> <li>ACGIH TLV (United States, 5/2018).</li> <li>TWA: 20 mg/m³ 8 hours. Form: Tespirable</li> <li>fraction, finescale particles</li> <li>ACGIH TLV (United States, 5/2023).</li> <li>Ototoxicant.</li> <li>TWA: 20 pm 8 hours.</li> <li>OSHA PEL (United States, 5/2018).</li> <li>TWA: 20 pm 8 hours.</li> <li>OSHA PEL (United States, 5/2018).</li> <li>TWA: 30 pm 8 hours.</li> <li>COSHA PEL VIIIted States, 5/2018).</li> <li>TWA: 435 mg/m³ 8 hours.</li> <li>TWA: 100 ppm 8 hours.</li> <li>TWA: 100 ppm 8 hours.</li> </ul>	crystalline sliica, respirable powder (>10 microns)	
Respirable       OSHA PEL Z3 (United States, 6/2016).         TWA: 10 mg/m <sup>3</sup> / (%SiO <sub>2</sub> +2) 8 hours. Form:         Respirable         TWA: 20 mpcf / (%SiO <sub>2</sub> +5) 8 hours. Form:         Respirable         OSHA PEL (United States, 5/2018). [Silica, crystalline]         TWA: 50 µg/m <sup>3</sup> 8 hours. Form: Respirable         OSHA PEL (United States, 5/2018). [Silica, crystalline]         TWA: 50 µg/m <sup>3</sup> 8 hours. Form: Inhalable fraction         OSHA PEL United States, 5/2018).         TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction         OSHA PEL (United States, 5/2018).         TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable         Coll TLV (United States, 7/2023).         TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Inhalable fraction         OSHA PEL (United States, 7/2023).         TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable         TWA: 2 mg/m <sup>3</sup> 8 hours. Form: Total dust         ACGIH TLV (United States, 7/2023).         TWA: 2 mg/m <sup>3</sup> 8 hours. Form: Total dust         ACGIH TLV (United States, 7/2023).         TWA: 2.5 mg/m <sup>3</sup> 8 hours. Form: Total dust         ACGIH TLV (United States, 7/2023).         TWA: 2.5 mg/m <sup>3</sup> 8 hours. Form: Total dust         ACGIH TLV (United States, 7/2023).         TWA: 2.5 mg/m <sup>3</sup> 8 hours. Form: respirable         fraction, finescale particles         ACGIH TLV (United States,		
OSHA PEL Z3 (United States, 6/2016).         TWA: 10 mg/m³ / (%SiO2+2) 8 hours. Form:         Respirable         TWA: 250 mppcf / (%SiO2+5) 8 hours. Form:         Respirable         OSHA PEL (United States, 5/2018). [Silica, crystalline]         TWA: 50 µg/m³ 8 hours. Form: Respirable         OSHA PEL (United States, 7/2023).         TWA: 5 mg/m³ 8 hours. Form: Inhalable fraction         OSHA PEL (United States, 7/2023).         TWA: 5 mg/m³ 8 hours. Form: Respirable         OSHA PEL (United States, 7/2023).         TWA: 5 mg/m³ 8 hours. Form: Inhalable fraction         OSHA PEL (United States, 7/2023).         TWA: 5 mg/m³ 8 hours. Form: Respirable         fraction         TWA: 2 mg/m³ 8 hours. Form: Respirable         OSHA PEL (United States, 7/2023).         TWA: 2 mg/m³ 8 hours. Form: Respirable         OSHA PEL (United States, 7/2023).         TWA: 2 mg/m³ 8 hours. Form: Respirable         OSHA PEL (United States, 7/2023).         TWA: 2 mg/m³ 8 hours. Form: respirable         OSHA PEL (United States, 7/2023).         TWA: 2 mg/m³ 8 hours. Form: respirable         fraction, finescale particles         ethylbenzene         ethylbenzene         ethylpropan-1-ol         Z-methylpropan-1-ol		-
TWA: 10 mg/m³ / (%SiO <sub>2</sub> +2) 8 hours. Form:         Respirable         TWA: 250 mppcf / (%SiO <sub>2</sub> +5) 8 hours. Form:         Respirable         OSHA PEL (United States, 5/2018). [Silica, crystalline]         TWA: 50 µg/m³ 8 hours. Form: Respirable         dust         ACGIH TLV (United States, 7/2023).         TWA: 5 mg/m³ 8 hours. Form: Inhalable         fraction         OSHA PEL (United States, 7/2023).         TWA: 5 mg/m³ 8 hours. Form: Inhalable         fraction         OSHA PEL (United States, 7/2023).         TWA: 5 mg/m³ 8 hours. Form: Respirable         fraction         OSHA PEL (United States, 7/2023).         TWA: 15 mg/m³ 8 hours. Form: Total dust         ACGIH TLV (United States, 7/2023).         TWA: 2 mg/m³ 8 hours. Form: respirable         OSHA PEL (United States, 7/2023).         TWA: 2 mg/m³ 8 hours. Form: Total dust         ACGIH TLV (United States, 7/2023).         TWA: 2.5 mg/m³ 8 hours. Form: respirable         fraction, finescale particles         ethylbenzene         ethylbenzene         2-methylpropan-1-ol         ACGIH TLV (United States, 7/2023).         TWA: 30 ppm 8 hours.         Z-methylpropan-1-ol		
Respirable       TWA: 250 mppof / (%SiO2+5) 8 hours. Form:         Respirable       OSHA PEL (United States, 5/2018). [Silica, crystalline]         TWA: 50 µg/m³ 8 hours. Form: Respirable       dust         ACGIH TLV (United States, 7/2023).       TWA: 5 mg/m³ 8 hours. Form: Inhalable fraction         OSHA PEL (United States, 7/2023).       TWA: 5 mg/m³ 8 hours. Form: Inhalable fraction         Talc , not containing asbestiform fibres       ACGIH TLV (United States, 7/2023).         TWA: 15 mg/m³ 8 hours. Form: Total dust       ACGIH TLV (United States, 7/2023).         TWA: 2 mg/m³ 8 hours. Form: Total dust       ACGIH TLV (United States, 7/2023).         TWA: 2 mg/m³ 8 hours. Form: Total dust       ACGIH TLV (United States, 7/2023).         TWA: 2 mg/m³ 8 hours. Form: Total dust       ACGIH TLV (United States, 7/2023).         TWA: 2 mg/m³ 8 hours. Form: respirable       fraction, finescale particles         ethylbenzene       ACGIH TLV (United States, 7/2023).         ethylbenzene       ACGIH TLV (United States, 7/2023).         2-methylpropan-1-ol       TWA: 435 mg/m³ 8 hours.         2-methylpropan-1-ol       ACGIH TLV (United States, 7/2023).		
TWA: 250 mppcf / (%SiO2+5) 8 hours. Form: Respirable         OSHA PEL (United States, 5/2018). [Silica, crystalline]         TWA: 50 µg/m³ 8 hours. Form: Respirable dust         ACGIH TLV (United States, 7/2023).         TWA: 5 mg/m³ 8 hours. Form: Inhalable fraction         OSHA PEL (United States, 5/2018).         Talc , not containing asbestiform fibres         Talc , not containing asbestiform fibres         Talc , not containing asbestiform fibres         TWA: 15 mg/m³ 8 hours. Form: Total dust ACGIH TLV (United States, 7/2023).         TWA: 2 mg/m³ 8 hours. Form: Respirable fraction         TWA: 2 mg/m³ 8 hours. Form: Total dust ACGIH TLV (United States, 5/2018).         TWA: 2 mg/m³ 8 hours. Form: Total dust ACGIH TLV (United States, 5/2018).         TWA: 2 mg/m³ 8 hours. Form: Total dust ACGIH TLV (United States, 5/2018).         TWA: 2 mg/m³ 8 hours. Form: Total dust ACGIH TLV (United States, 7/2023).         TWA: 2.5 mg/m³ 8 hours. Form: respirable fraction, finescale particles         ACGIH TLV (United States, 7/2023).         TWA: 2.0 ppm 8 hours.         ACGIH TLV (United States, 5/2018).         TWA: 2.0 ppm 8 hours.         TWA: 2.0 ppm 8 hours.         ACGIH TLV (United States, 5/2018).         TWA: 2.0 ppm 8 hours.         TWA: 2.0 ppm 8 hours.         TWA: 2.0 ppm 8 hours.         TWA: 100 ppm 8 hours.		- , ,
Participation       Respirable         OSHA PEL (United States, 5/2018). [Silica, crystalline]       TWA: 50 µg/m³ 8 hours. Form: Respirable dust         ACGIH TLV (United States, 7/2023).       TWA: 50 µg/m³ 8 hours. Form: Inhalable fraction         OSHA PEL (United States, 5/2018).       TWA: 5 mg/m³ 8 hours. Form: Respirable fraction         Talc , not containing asbestiform fibres       ACGIH TLV (United States, 7/2023).         TWA: 15 mg/m³ 8 hours. Form: Total dust       ACGIH TLV (United States, 7/2023).         TWA: 2 mg/m³ 8 hours. Form: Respirable fraction       TWA: 2 mg/m³ 8 hours. Form: Total dust         ACGIH TLV (United States, 7/2023).       TWA: 2 mg/m³ 8 hours. Form: Total dust         ACGIH TLV (United States, 7/2023).       TWA: 2 mg/m³ 8 hours. Form: Total dust         ACGIH TLV (United States, 7/2023).       TWA: 2.5 mg/m³ 8 hours. Form: Total dust         ACGIH TLV (United States, 7/2023).       TWA: 2.5 mg/m³ 8 hours. Form: respirable fraction, finescale particles         ethylbenzene       ACGIH TLV (United States, 7/2023).         ethylbenzene       ACGIH TLV (United States, 7/2023).         2-methylpropan-1-ol       Costa States, 5/2018).         2-methylpropan-1-ol       ACGIH TLV (United States, 7/2023).		•
OSHA PEL (United States, 5/2018). [Silica, crystalline]         TWA: 50 µg/m³ 8 hours. Form: Respirable dust         ACGIH TLV (United States, 7/2023).         TWA: 5 mg/m³ 8 hours. Form: Inhalable fraction         OSHA PEL (United States, 5/2018).         Talc , not containing asbestiform fibres         Talc , not containing asbestiform fibres <td></td> <td></td>		
crystalline]       TWA: 50 µg/m³ 8 hours. Form: Respirable dust         barium sulfate       ACGIH TLV (United States, 7/2023).         TWA: 5 mg/m³ 8 hours. Form: Inhalable fraction       OSHA PEL (United States, 5/2018).         TWA: 5 mg/m³ 8 hours. Form: Total dust       ACGIH TLV (United States, 7/2023).         Talc , not containing asbestiform fibres       TWA: 5 mg/m³ 8 hours. Form: Total dust         Talc , not containing asbestiform fibres       TWA: 15 mg/m³ 8 hours. Form: Total dust         titanium dioxide       TWA: 2 mg/m³ 8 hours. Form: Total dust         titanium dioxide       SHA PEL 23 (United States, 5/2018).         titanium dioxide       TWA: 15 mg/m³ 8 hours. Form: Total dust         ethylbenzene       ACGIH TLV (United States, 7/2023).         tWA: 2 sg mg/m³ 8 hours. Form: respirable fraction, finescale particles         ACGIH TLV (United States, 7/2023).         TWA: 2.5 mg/m³ 8 hours. Form: respirable fraction, finescale particles         ACGIH TLV (United States, 7/2023).         TWA: 20 ppm 8 hours.         OSHA PEL (United States, 5/2018).         TWA: 435 mg/m³ 8 hours.         2-methylpropan-1-ol         ACGIH TLV (United States, 7/2023).		
TWA: 50 µg/m³ 8 hours. Form: Respirable dust         barium sulfate       ACGIH TLV (United States, 7/2023).         TWA: 5 mg/m³ 8 hours. Form: Inhalable fraction       OSHA PEL (United States, 5/2018).         TWA: 5 mg/m³ 8 hours. Form: Respirable fraction       TWA: 5 mg/m³ 8 hours. Form: Total dust         Talc , not containing asbestiform fibres       ACGIH TLV (United States, 7/2023).         TWA: 15 mg/m³ 8 hours. Form: Total dust       ACGIH TLV (United States, 7/2023).         TWA: 2 mg/m³ 8 hours. Form: Respirable       OSHA PEL 23 (United States, 7/2023).         TWA: 2 mg/m³ 8 hours. Form: Total dust       ACGIH TLV (United States, 7/2023).         titanium dioxide       OSHA PEL (United States, 7/2023).         twa: 2 mg/m³ 8 hours. Form: Total dust       ACGIH TLV (United States, 7/2023).         ethylbenzene       OSHA PEL (United States, 7/2023).         ethylbenzene       ACGIH TLV (United States, 7/2023).         Ototoxicant.       TWA: 20 ppm 8 hours.         2-methylpropan-1-ol       ACGIH TLV (United States, 5/2018).         2-methylpropan-1-ol       ACGIH TLV (United States, 7/2023).		
dust         ACGIH TLV (United States, 7/2023).         TWA: 5 mg/m³ 8 hours. Form: Inhalable         fraction         OSHA PEL (United States, 5/2018).         TWA: 5 mg/m³ 8 hours. Form: Respirable         fraction         TWA: 5 mg/m³ 8 hours. Form: Total dust         ACGIH TLV (United States, 7/2023).         TWA: 15 mg/m³ 8 hours. Form: Total dust         ACGIH TLV (United States, 7/2023).         TWA: 2 mg/m³ 8 hours. Form: Respirable         OSHA PEL Z3 (United States, 7/2023).         TWA: 2 mg/m³ 8 hours. Form: Total dust         ACGIH TLV (United States, 5/2018).         TWA: 2 mg/m³         Maintainum dioxide         ethylbenzene         ethylbenzene         2-methylpropan-1-ol         ACGIH TLV (United States, 7/2023).         TWA: 2.5 mg/m³ 8 hours.         TWA: 2.5 mg/m³ 8 hours.         SOSHA PEL (United States, 7/2023).         TWA: 2.5 mg/m³ 8 hours.         Form: respirable         Fraction, finescale particles         ACGIH TLV (United States, 7/2023).         Ototoxicant.         TWA: 20 ppm 8 hours.         OSHA PEL (United States, 5/2018).         TWA: 435 mg/m³ 8 hours.         ACGIH TLV (United States, 5/2018).		
barium sulfate       ACGIH TLV (United States, 7/2023).         TWA: 5 mg/m³ 8 hours. Form: Inhalable fraction       TWA: 5 mg/m³ 8 hours. Form: Inhalable fraction         Talc , not containing asbestiform fibres       OSHA PEL (United States, 5/2018). TWA: 5 mg/m³ 8 hours. Form: Total dust ACGIH TLV (United States, 7/2023). TWA: 2 mg/m³ 8 hours. Form: Total dust ACGIH TLV (United States, 7/2023). TWA: 2 mg/m³ 8 hours. Form: Total dust ACGIH TLV (United States, 5/2018). TWA: 2 mg/m³ 8 hours. Form: Total dust ACGIH TLV (United States, 5/2018). TWA: 2 mg/m³ 8 hours. Form: Total dust ACGIH TLV (United States, 7/2023). TWA: 2.5 mg/m³ 8 hours. Form: respirable fraction, finescale particles ACGIH TLV (United States, 7/2023). TWA: 20 ppm 8 hours. Ototoxicant. TWA: 30 ppm 8 hours. OSHA PEL (United States, 5/2018). TWA: 35 mg/m³ 8 hours.         2-methylpropan-1-ol       Zemethylpropan-1-ol		
TWA: 5 mg/m³ 8 hours. Form: Inhalable fraction         OSHA PEL (United States, 5/2018).         TWA: 5 mg/m³ 8 hours. Form: Respirable fraction         Talc , not containing asbestiform fibres		
fraction         OSHA PEL (United States, 5/2018).         TWA: 5 mg/m³ 8 hours. Form: Respirable         fraction         Talc , not containing asbestiform fibres         Talc , not containing asbestiform fibres         TWA: 15 mg/m³ 8 hours. Form: Total dust         ACGIH TLV (United States, 7/2023).         TWA: 2 mg/m³ 8 hours. Form: Respirable         OSHA PEL Z3 (United States, 7/2023).         TWA: 2 mg/m³ 8 hours. Form: Respirable         OSHA PEL Z3 (United States, 5/2018).         TWA: 2 mg/m³ 8 hours. Form: Total dust         ACGIH TLV (United States, 7/2023).         TWA: 2.5 mg/m³ 8 hours. Form: Total dust         ACGIH TLV (United States, 7/2023).         TWA: 2.5 mg/m³ 8 hours. Form: respirable         fraction, finescale particles         ACGIH TLV (United States, 7/2023).         TWA: 2.0 ppm 8 hours.         OSHA PEL (United States, 5/2018).         TWA: 20 ppm 8 hours.         OSHA PEL (United States, 5/2018).         TWA: 435 mg/m³ 8 hours.         2-methylpropan-1-ol         ACGIH TLV (United States, 7/2023).	barium sulfate	
OSHA PEL (United States, 5/2018).         TWA: 5 mg/m³ 8 hours. Form: Respirable fraction         TWA: 15 mg/m³ 8 hours. Form: Total dust         ACGIH TLV (United States, 7/2023).         TWA: 2 mg/m³ 8 hours. Form: Respirable         OSHA PEL Z3 (United States, 7/2023).         TWA: 2 mg/m³ 8 hours. Form: Respirable         OSHA PEL Z3 (United States, 5/2018).         TWA: 2 mg/m³         Maintainum dioxide         ethylbenzene         ethylbenzene         2-methylpropan-1-ol         Particular         OSHA PEL (United States, 5/2018).         TWA: 20 ppm 8 hours.         OSHA PEL (United States, 7/2023).         TWA: 2.5 mg/m³ 8 hours. Form: Total dust         ACGIH TLV (United States, 7/2023).         TWA: 2.5 mg/m³ 8 hours. Form: respirable         fraction, finescale particles         ACGIH TLV (United States, 7/2023).         Ototoxicant.         TWA: 20 ppm 8 hours.         OSHA PEL (United States, 5/2018).         TWA: 435 mg/m³ 8 hours.         2-methylpropan-1-ol		•
TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust ACGIH TLV (United States, 7/2023). TWA: 2 mg/m <sup>3</sup> 8 hours. Form: Respirable OSHA PEL Z3 (United States). TWA: 2 mg/m <sup>3</sup> OSHA PEL (United States, 5/2018). TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust ACGIH TLV (United States, 7/2023). TWA: 2.5 mg/m <sup>3</sup> 8 hours. Form: respirable fraction, finescale particles ACGIH TLV (United States, 7/2023). TWA: 2.5 mg/m <sup>3</sup> 8 hours. Form: respirable fraction, finescale particles ACGIH TLV (United States, 7/2023). Ototoxicant. TWA: 20 ppm 8 hours. OSHA PEL (United States, 5/2018). TWA: 425 mg/m <sup>3</sup> 8 hours. TWA: 435 mg/m <sup>3</sup> 8 hours. TWA: 435 mg/m <sup>3</sup> 8 hours.		
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		AUGINTILV (UNITED STATES, 1/2023).
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# Section 8. Exposure controls/personal protection

•			
		TWA: 152 mg/m <sup>3</sup> 8 hours.	
		TWA: 50 ppm 8 hours.	
		OSHA PEL (United States, 5/2018).	
		TWA: 300 mg/m <sup>3</sup> 8 hours.	
		TWA: 100 ppm 8 hours.	
toluene		OSHA PEL Z2 (United States, 2/2013).	
		AMP: 500 ppm 10 minutes.	
		CEIL: 300 ppm	
		TWA: 200 ppm 8 hours.	
		ACGIH TLV (United States, 7/2023).	
		Ototoxicant.	
		TWA: 20 ppm 8 hours.	
	Key to abbreviations		
A = Acceptable Maximum Pe	eak	S = Potential skin absorption	
	Governmental Industrial Hygienists.	SR = Respiratory sensitization	
C = Ceiling Limit		SS = Skin sensitization	
F = Fume		STEL = Short term Exposure limit values	
IPEL = Internal Permissible Exp		TD = Total dust	
OSHA = Occupational Safety and	Health Administration.	TLV = Threshold Limit Value	
R = Respirable Z = OSHA 29 CFR 1910.120	00 Subpart Z - Toxic and Hazardous Substances	TWA = Time Weighted Average	
	•		
Consult local authorities for a	acceptable exposure limits.		
Recommended monitoring procedures		opriate monitoring standards. Reference to national or the determination of hazardous substances will	
Appropriate engineering controls	other engineering controls to keep recommended or statutory limits. T	Use process enclosures, local exhaust ventilation or worker exposure to airborne contaminants below any he engineering controls also need to keep gas, any lower explosive limits. Use explosion-proof	
Environmental exposure controls	<ul> <li>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.</li> </ul>		
Individual protection measur	<u>es</u>		
Hygiene measures	eating, smoking and using the lava Appropriate techniques should be u Contaminated work clothing should	broughly after handling chemical products, before tory and at the end of the working period. Ised to remove potentially contaminated clothing. Not be allowed out of the workplace. Wash ng. Ensure that eyewash stations and safety n location.	
Eye/face protection	: Chemical splash goggles.		
	e energie oprach goggioon		
Skin protection			

Product name SIGMACOVER 456 BASE GREEN 4171

### Section 8. Exposure controls/personal 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. The respiratory protection shall be in accordance to 29 CFR 1910.134.

# Section 9. Physical and chemical properties

#### Appearance

Solubility(ies)	: cold water	Not soluble
	Media	Result
Density(lbs / gal)	: 11.27	
Relative density	: 1.35	
Vapor density	: Not available.	
Vapor pressure	: Not available.	
Evaporation rate	: Not available.	
Lower and upper explosive (flammable) limits	: Not available.	
Flammability	: Not available.	
Decomposition temperature	: Not available.	
Auto-ignition temperature	: Not available.	
Flash point	: Closed cup: 25°C (77°F)	
Boiling point	: >37.78°C (>100°F)	
Melting point	: Not available.	
рН	: Not applicable.	
Odor threshold	: Not available.	
Odor	: Aromatic.	
Color	: Green.	
Physical state	: Liquid.	

Product name SIGMACOVER 456 BASE GREEN 4171

### Section 9. Physical and chemical properties

Partition coefficient: n- octanol/water	: Not applicable.
Viscosity	: Kinematic (40°C (104°F)): >21 mm²/s (>21 cSt)
Volatility	: 35% (v/v), 26.307% (w/w)
% Solid. (w/w)	: 73.693

# Section 10. Stability and reactivity

De e etilesites	. Na su stêl de de de activité d'écure stiller availler for de la marchistique d'activité.
Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.
Incompatible materials	: Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.
Hazardous decomposition products	: Depending on conditions, decomposition products may include the following materials: carbon oxides sulfur oxides halogenated compounds metal oxide/oxides

# Section 11. Toxicological information

#### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
<b>x</b> ylene	LD50 Dermal	Rabbit	1.7 g/kg	-
-	LD50 Oral	Rat	4.3 g/kg	-
barium sulfate	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
titanium dioxide	LC50 Inhalation Dusts and mists	Rat	>6.82 mg/l	4 hours
	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
ethylbenzene	LC50 Inhalation Vapor	Rat	17.8 mg/l	4 hours
	LD50 Dermal	Rabbit	17.8 g/kg	-
	LD50 Oral	Rat	3.5 g/kg	-
2-methylpropan-1-ol	LC50 Inhalation Vapor	Rat	24.6 mg/l	4 hours
	LD50 Dermal	Rabbit	2460 mg/kg	-
	LD50 Oral	Rat	2830 mg/kg	-
toluene	LC50 Inhalation Vapor	Rat	49 g/m³	4 hours
	LD50 Dermal	Rabbit	8.39 g/kg	-
	LD50 Oral	Rat	5580 mg/kg	-

Irritation/Corrosion

Product name SIGMACOVER 456 BASE GREEN 4171

# Section 11. Toxicological information

Product/ingredient name	Result		Species	Score	Exposure	Observation
xylene	Skin - Moderate irritant		Rabbit	-	24 hours 500 mg	-
Conclusion/Summary						•
Skin	: There are	e no data ava	ilable on the mixtu	ıre itself.		
Eyes	: There are	e no data ava	ilable on the mixtu	ıre itself.		
Respiratory	: There are	e no data ava	ilable on the mixtu	ıre itself.		
<u>Sensitization</u>						
Conclusion/Summary						
Skin	: There are	e no data ava	ilable on the mixtu	ıre itself.		
Respiratory	: There are	e no data ava	ilable on the mixtu	ıre itself.		
Mutagenicity						
Conclusion/Summary	: There are	e no data ava	ilable on the mixtu	ıre itself.		
Carcinogenicity						
Conclusion/Summary	: There are	e no data ava	ilable on the mixtu	ire itself		
<u>Classification</u>						
Product/ingredient name	OSHA	IARC N	ITP			
ylene crystalline silica, respirable	-+	3 - 1 K	nown to be a hum	an carcinode	'n	
powder (>10 microns)				an caronoge		
titanium dioxide	-	2B -				
ethylbenzene	-	2B -				
toluene	-	3 -				
Carcinogen Classification	n code:					
IARC: 1, 2A, 2B, 3, NTP: Known to be OSHA: + Not listed/not regu	e a human carc	inogen; Reasor:	nably anticipated to b	e a human carc	inogen	
Reproductive toxicity						
Conclusion/Summary	: There are	no data avai	lable on the mixtu	re itself.		
eratogenicity						
-			lable on the mixtu	re itself.		
pecific target organ toxicity	<u>' (single exp</u>	<u>osure)</u>				
Name			Category	Route expos		rget organs
xylene			Category 3	-	Re	spiratory tract ation
Talc , not containing asbestifo	rm fibres		Category 3	-	Re	spiratory tract ation
2-methylpropan-1-ol			Category 3	-		spiratory tract

Category 3

Category 3

toluene

### Specific target organ toxicity (repeated exposure)

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irritation

Narcotic effects

Narcotic effects

### Section 11. Toxicological information

Name		Route of exposure	Target organs
ethylbenzene	Category 2	-	hearing organs
toluene	Category 2		-

**Target organs** 

: Contains material which causes damage to the following organs: liver, spleen, brain, bone marrow.

Contains material which may cause damage to the following organs: blood, kidneys, lungs, the nervous system, cardiovascular system, upper respiratory tract, immune system, skin, central nervous system (CNS), ears, eye, lens or cornea.

#### Aspiration hazard

Name	Result
ethylbenzene	ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1 ASPIRATION HAZARD - Category 1

#### Information on the likely routes of exposure

Potential acute health effects
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Eye contact	: Causes serious eye irritation.
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/s	symptoms
Eye contact	: Adverse symptoms may include the following: pain or irritation watering redness
Inhalation	: Adverse symptoms may include the following: respiratory tract irritation coughing reduced fetal weight increase in fetal deaths skeletal malformations
Skin contact	: Adverse symptoms may include the following: irritation redness dryness cracking reduced fetal weight increase in fetal deaths skeletal malformations
Ingestion	: Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
<b>Delayed and immediate</b>	effects and also chronic effects from short and long term exposure

Product name SIGMACOVER 456 BASE GREEN 4171

# Section 11. Toxicological information

Conclusion/Summary	: There are no data available on the mixture itself. 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. This product contains TiO2 which has been classified as a GHS Carcinogen Category 2 based on its IARC 2B classification. For many products, TiO2 is utilized as a raw material in a liquid coating formulation. In this case, the TiO2 particles are bound in a matrix with no meaningful potential for human exposure to unbound particles of TiO2 when the product is applied with a brush or roller. Sanding the coating surface or mist from spray applications may be harmful depending on the duration and level of exposure and require the use of appropriate personal protective equipment and/or engineering controls (see Section 8). 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 exposure and eye contact.
Short term exposure	There are no date evaluable on the minimum itself
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 eff	<u>ects</u>
General	: May cause 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.
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.
Numerical measures of toxic	<u>ity</u>
Acute toxicity estimates	

### Section 11. Toxicological information

Product/ingredient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/ I)
GMACOVER 456 BASE GREEN 4171	7490.7	2475.2	N/A	14.9	1.9
xylene	4300	1700	N/A	11	1.5
barium sulfate	N/A	2500	N/A	N/A	N/A
ethylbenzene	3500	17800	N/A	17.8	1.5
2-methylpropan-1-ol	2830	2460	N/A	24.6	N/A
toluene	5580	8390	N/A	49	N/A

# Section 12. Ecological information

### **Toxicity**

Product/ingredient name	Result	Species	Exposure
titanium dioxide	Acute LC50 >100 mg/l Fresh water	Daphnia - <i>Daphnia magna</i>	48 hours
ethylbenzene	Acute EC50 1.8 mg/l Fresh water	Daphnia	48 hours
	Chronic NOEC 1 mg/l Fresh water	Daphnia - Ceriodaphnia dubia	-
2-methylpropan-1-ol	Acute EC50 1100 mg/l	Daphnia	48 hours

### Persistence and degradability

Product/ingredient name	Test	Result		Dose		Inoculum
ethylbenzene	-	79 % - Rea	dily - 10 days	-		-
Product/ingredient name	Aquatic half-life		Photolysis		Biodeg	radability
₩ylene ethylbenzene toluene	- - -		- - -		Readily Readily Readily	

### **Bioaccumulative potential**

Product/ingredient name	LogPow	BCF	Potential
<b>x</b> ylene	3.12	7.4 to 18.5	Low
ethylbenzene	3.6	79.43	Low
2-methylpropan-1-ol	1	-	Low
toluene	2.73	8.32	Low

### Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

Product name SIGMACOVER 456 BASE GREEN 4171

### 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

### 14. Transport information

	DOT	IMDG	ΙΑΤΑ
UN number	UN1263	UN1263	UN1263
UN proper shipping name	PAINT	PAINT	PAINT
Transport hazard class (es)	3	3	3
Packing group	111		
Environmental hazards	No.	Yes.	Ses. The environmentally hazardous substance mark is not required.
Marine pollutant substances	Not applicable.	<ul> <li>4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-</li> <li>2,3-epoxypropane, reaction products with fatty acids,</li> <li>C18-unsatd., dimers)</li> </ul>	Not applicable.
Product RQ (lbs)	<b>#</b> 69.02	Not applicable.	Not applicable.
RQ substances	(xylene, ethylbenzene)	Not applicable.	Not applicable.

#### **Additional information**

DOT	: Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.
IMDG	: <b>I</b> ∕he marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.
IATA	: The environmentally hazardous substance mark may appear if required by other transportation regulations.

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### 14. Transport information

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.

Transport in bulk according : Not applicable. to IMO instruments

### Section 15. Regulatory information

#### United States

United States inventory (TSCA 8b) : All components are active or exempted.

#### SARA 302/304

SARA 304 RQ : Not applicable.

**Composition/information on ingredients** 

No products were found.

#### SARA 311/312

Classification	: FLAMMABLE LIQUIDS - Category 3
	ACUTE TOXICITY (inhalation) - Category 4
	SKIN IRRITATION - Category 2
	EYE IRRITATION - Category 2A
	SKIN SENSITIZATION - Category 1
	CARCINOGENICITY - Category 1A
	TOXIC TO REPRODUCTION - Category 2
	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract
	irritation) - Category 3
	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
	HNOC - Defatting irritant

#### **Composition/information on ingredients**

Name	%	Classification
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane,	≥20 - ≤50	SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SKIN SENSITIZATION - Category 1B
reaction products with fatty acids, C18-unsatd., dimers		
xylene	≥20 - ≤26	FLAMMABLE LIQUIDS - Category 3
		ACUTE TOXICITY (dermal) - Category 4
		ACUTE TOXICITY (inhalation) - Category 4
		SKIN IRRITATION - Category 2
		EYE IRRITATION - Category 2A
		SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
		(Respiratory tract irritation) - Category 3
		ASPIRATION HAZARD - Category 1
crystalline silica, respirable powder (>10 microns)	≥20 - ≤50	CARCINOGENICITY - Category 1A
Talc , not containing asbestiform	≥1.0 - ≤5.0	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
fibres		(Respiratory tract irritation) - Category 3
titanium dioxide	≥1.0 - ≤5.0	CARCINOGENICITY - Category 2
ethylbenzene	≥1.0 - ≤5.0	FLAMMABLE LIQUIDS - Category 2
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### Section 15. Regulatory information

		ACUTE TOXICITY (inhalation) - Category 4
		CARCINOGENICITY - Category 2
		SPECIFIC TARGET ORGAN TOXICITY (REPEATED
		EXPOSURE) - Category 2
		ASPIRATION HAZARD - Category 1
		HNOC - Defatting irritant
2-methylpropan-1-ol	≤1.2	FLAMMABLE LIQUIDS - Category 3
, , , , , , , , , , , , , , , , , , ,		SKIN IRRITATION - Category 2
		SERIOUS EYE DAMAGE - Category 1
		SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
		(Respiratory tract irritation) - Category 3
		SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
		(Narcotic effects) - Category 3
		HNOC - Defatting irritant
toluene	<1.0	FLAMMABLE LIQUIDS - Category 2
		SKIN IRRITATION - Category 2
		TOXIC TO REPRODUCTION - Category 2
		SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
		(Narcotic effects) - Category 3
		SPECIFIC TARGET ORGAN TOXICITY (REPEATED
		EXPOSURE) - Category 2
		ASPIRATION HAZARD - Category 1
		HNOC - Defatting irritant

#### **SARA 313**

Supplier notification       Chemical name         Supplier notification       Kylene         ethylbenzene       ethylbenzene	<u>CAS number</u> 1330-20-7 100-41-4	<u>Concentration</u> 10 - 30 1 - 5
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SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

Additional environmental information is contained on the Environmental Data Sheet for this product, which can be obtained from your PPG representative.

#### California Prop. 65

**WARNING**: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

### Section 16. Other information

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

```
Flammability : 3 Physical hazards :
Health :
          3
                                                         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.)

```
Flammability : 3
Health :
          3
                                        Instability : 0
Date of previous issue
                           : 9/21/2021
```

**United States** Page: 17/18

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### Section 16. Other information

Organization that prepared the SDS	: EHS
Key to abbreviations	<ul> <li>ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = Internediate 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</li> </ul>

### Indicates information that has changed from previously issued version.

#### Disclaimer

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by PPG, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.