

Safety Data Sheet
R4330 MAX COR CF



Bulk Sales Reference No.:
SDS Revision Date:
SDS Revision Number:

Sales
Order: {SalesOrd}
OR4330
05/18/2015
E1-3

1. Identification of the preparation and company

1.1. Product identifier

Product Identity R4330 MAX COR CF
Bulk Sales Reference No. OR4330

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

Intended Use See Technical Data Sheet.
Application Method See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name Akzo Nobel Coatings
International Paint LLC
2270 Morris Avenue
P. O. Box 386

Emergency

CHEMTREC (USA) (800) 424-9300
International Paint (713) 527-3887
Poison Control Center (800) 854-6813
Customer Service
International Paint (800) 589-1267
Fax No. (800) 631-7481

2. Hazard identification of the product

2.1. Classification of the substance or mixture

Flam. Liq. 2;H225 Highly Flammable liquid and vapor.
Acute Tox. 5;H303 May be harmful if swallowed.
Skin Irrit. 2;H315 Causes skin irritation.
Eye Irrit. 2;H319 Causes serious eye irritation.
Skin Sens. 1;H317 May cause an allergic skin reaction.
Repr. 2;H361D Suspected of damaging the unborn child.
Aquatic Chronic 2;H411 Toxic to aquatic life with long lasting effects.

2.2. Label elements

Using the Toxicity Data listed in section 11 & 12 the product is labelled as follows.



Danger.

H225 Highly flammable liquid and vapor.
H303 May be harmful if swallowed.
H315 Causes skin irritation.

H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H361 Suspected of damaging fertility or the unborn child.
 H411 Toxic to aquatic life with long lasting effects.

P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.
 P260 Do not breathe mist / vapors / spray.
 P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
 P262 Do not get in eyes, on skin, or on clothing.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P273 Avoid release to the environment.
 P280 Wear protective gloves / eye protection / face protection.
 P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P302+352 IF ON SKIN: Wash with soap and water.
 P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
 P308+313 IF exposed or concerned: Get medical advice/attention.
 P312 Call a POISON CENTER or doctor / physician if you feel unwell.
 P331 Do NOT induce vomiting.
 P333 If skin irritation or a rash occurs:.
 P337 If eye irritation persists:.
 P362 Take off contaminated clothing and wash before reuse.
 P363 Wash contaminated clothing before reuse.
 P370 In case of fire: Use water spray, fog, or regular foam..
 P391 Collect spillage.
 P403+233 Store in a well ventilated place. Keep container tightly closed.
 P405 Store locked up.
 P501 Dispose of contents / container in accordance with local / national regulations.

HMIS Rating Health: 2 Flammability: 3 Reactivity: 0

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| 3. Composition/information on ingredients |
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This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

| Ingredient/Chemical Designations | Weight % | GHS Classification | Notes |
|---|----------|--|--------|
| Epoxy Resin CAS Number: 0025068-38-6 | 10 - 25 | Eye Irrit. 2;H319 Skin Irrit. 2;H315 Skin Sens. 1;H317 Aquatic Chronic 2;H411 | [1] |
| Silica, amorphous CAS Number: 0007631-86-9 | 10 - 25 | ---- | [1][2] |
| PHENOL, POLYMER WITH FORMALDEHYDE, GLYCIDYL ETHER CAS Number: 0028064-14-4 | 1.0 - 10 | Skin Irrit. 2;H315 Eye Irrit. 2;H319 Skin Sens. 1;H317 Aquatic Chronic 2;H411 | [1] |
| Calcium hydroxide CAS Number: 0001305-62-0 | 1.0 - 10 | ---- | [1][2] |
| Titanium dioxide CAS Number: 0013463-67-7 | 1.0 - 10 | ---- | [1][2] |
| Methylisobutyl ketone CAS Number: 0000108-10-1 | 1.0 - 10 | Flam. Liq. 2;H225 Acute Tox. 4;H332 Eye Irrit. 2;H319 STOT SE 3;H335 | [1][2] |

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|--|----------|--|--------|
| Aluminum hydroxide CAS Number: 0021645-51-2 | 1.0 - 10 | Eye Irrit. 2;H319 STOT SE 3;H335 | [1] |
| Methyl n-amyl ketone CAS Number: 0000110-43-0 | 1.0 - 10 | Flam. Liq. 3;H226 Acute Tox. 4;H332 Acute Tox. 4;H302 | [1][2] |
| Trimethylolpropane triacrylate CAS Number: 0015625-89-5 | 1.0 - 10 | Eye Irrit. 2;H319 Skin Irrit. 2;H315 Skin Sens. 1;H317 | [1] |
| Benzene, methyl- CAS Number: 0000108-88-3 | 1.0 - 10 | Flam. Liq. 2;H225 Repr. 2;H361d Asp. Tox. 1;H304 STOT RE 2;H373 Skin Irrit. 2;H315 STOT SE 3;H336 | [1][2] |
| Silica gel, pptd., cryst.-free CAS Number: 0112926-00-8 | 1.0 - 10 | ---- | [1] |
| Aluminum oxide CAS Number: 0001344-28-1 | 1.0 - 10 | ---- | [1] |
| Xylenes (o-, m-, p- isomers) CAS Number: 0001330-20-7 | 1.0 - 10 | Flam. Liq. 3;H226 Acute Tox. 4;H332 Acute Tox. 4;H312 Skin Irrit. 2;H315 Eye Irrit. 2;H319 STOT SE 3;H335 Asp. Tox. 1;H304 | [1][2] |

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

| | |
|------------|---|
| General | Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean or destroy contaminated shoes. |
| Inhalation | If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately. |
| Eyes | In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately. |
| Skin | In case of contact, immediately flush skin with soap and plenty of water. Get medical attention immediately. |
| Ingestion | If swallowed, immediately contact Poison Control Center at 1-800-854-6813. DO NOT induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to an unconscious person. |

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

| | |
|-----------------|--|
| Overview | NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Avoid contact with eyes, skin and clothing. |
| Inhalation | Harmful if inhaled. Causes nose and throat irritation. Vapors may affect the brain or nervous system causing dizziness, headache or nausea. |
| Eyes | Causes severe eye irritation. Avoid contact with eyes. |
| Skin | Causes skin irritation. May cause allergic skin reaction. May be harmful if absorbed through the skin. |
| Ingestion | Harmful if swallowed. May cause abdominal pain, nausea, vomiting, diarrhea, or drowsiness. |
| Chronic effects | Possible cancer hazard. Contains an ingredient which may cause cancer based on animal data (See Section 2 and Section 15 for each ingredient). Risk of cancer depends on duration and level of exposure. |

5. Fire-fighting measures

5.1. Extinguishing media

CAUTION: This product has a very low flashpoint. Use of water spray when fighting fire may be inefficient. SMALL FIRES: Use dry chemical, CO2, water spray or alcohol-resistant foam. LARGE FIRES: Use water spray, fog, or alcohol-resistant foam. Do not use straight streams. Move containers from fire area if you can do so without risk. Runoff from fire control may cause pollution. Dike fire control water for later disposal. Do not scatter the material.

5.2. Special hazards arising from the substance or mixture

FLAMMABLE/COMBUSTIBLE MATERIALS: Will be easily ignited by heat, sparks or flames. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks) creating a vapor explosion hazard. Runoff to sewers may create fire or explosion hazard. Containers may explode when heated.

5.3. Advice for fire-fighters

Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water courses.

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6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

ELIMINATE ALL IGNITION SOURCES (no smoking, flares, sparks or flames in immediate area). Use only non-sparking equipment to handle spilled material and absorbent. Do not touch or walk through spilled material. Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas. A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand, or other non-combustible material and transfer to containers. Use non-sparking tools to collect absorbed material.

6.2. Environmental precautions

Do not allow spills to enter drains or watercourses.

6.3. Methods and material for containment and cleaning up

CALL CHEMTREC at (800)-424-9300 for emergency response. Isolate spill or leak area immediately for at least 25 to 50 meters (80 to 160 feet) in all directions. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering. LARGE SPILLS: Consider initial downwind evacuation for at least 300 meters (1000 feet).

7. Handling and storage

7.1. Precautions for safe handling

Handling

Vapors may cause flash fire or ignite explosively.

In Storage

Keep away from heat, sparks and flame.

7.2. Conditions for safe storage, including any incompatibilities

Store between 40-100F (4-38C).

Do not get in eyes, on skin or clothing.

Strong oxidizing agents.

Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone.

7.3. Specific end use(s)

Close container after each use.

Wash thoroughly after handling.

Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

| CAS No. | Ingredient | Source | Value |
|--------------|-----------------------|--------|---|
| 0000108-10-1 | Methylisobutyl ketone | OSHA | 100 ppm TWA; 410 mg/m3 TWA75 ppm STEL; 300 mg/m3 STEL |

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| | | | |
|--------------|------------------------------|-----------|--|
| | | ACGIH | 20 ppm TWA75 ppm STEL |
| | | NIOSH | 50 ppm TWA; 205 mg/m ³ TWA75 ppm STEL; 300 mg/m ³ STEL500 ppm IDLH |
| | | Supplier | |
| | | OHSA, CAN | 20 ppm TWA75 ppm STEL |
| | | Mexico | 50 ppm TWA LMPE-PPT; 205 mg/m ³ TWA LMPE-PPT75 ppm STEL [LMPE-CT]; 307 mg/m ³ STEL [LMPE-CT] |
| | | Brazil | |
| 0000108-88-3 | Benzene, methyl- | OSHA | 200 ppm TWA150 ppm STEL; 560 mg/m ³ STEL |
| | | ACGIH | 20 ppm TWA |
| | | NIOSH | 100 ppm TWA; 375 mg/m ³ TWA150 ppm STEL; 560 mg/m ³ STEL500 ppm IDLH |
| | | Supplier | |
| | | OHSA, CAN | 20 ppm TWA |
| | | Mexico | 50 ppm TWA LMPE-PPT; 188 mg/m ³ TWA LMPE-PPT |
| | | Brazil | 78 ppm TWA LT; 290 mg/m ³ TWA LT |
| 0000110-43-0 | Methyl n-amyl ketone | OSHA | 100 ppm TWA; 465 mg/m ³ TWA |
| | | ACGIH | 50 ppm TWA |
| | | NIOSH | 100 ppm TWA; 465 mg/m ³ TWA800 ppm IDLH |
| | | Supplier | |
| | | OHSA, CAN | 25 ppm TWA; 115 mg/m ³ TWA |
| | | Mexico | 50 ppm TWA LMPE-PPT; 235 mg/m ³ TWA LMPE-PPT100 ppm STEL [LMPE-CT]; 465 mg/m ³ STEL [LMPE-CT] |
| | | Brazil | |
| 0001305-62-0 | Calcium hydroxide | OSHA | 15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction) |
| | | ACGIH | 5 mg/m ³ TWA |
| | | NIOSH | 5 mg/m ³ TWA |
| | | Supplier | |
| | | OHSA, CAN | 5 mg/m ³ TWA |
| | | Mexico | 5 mg/m ³ TWA LMPE-PPT |
| | | Brazil | |
| 0001330-20-7 | Xylenes (o-, m-, p- isomers) | OSHA | 100 ppm TWA; 435 mg/m ³ TWA150 ppm STEL; 655 mg/m ³ STEL |
| | | ACGIH | 100 ppm TWA150 ppm STEL |
| | | NIOSH | |
| | | Supplier | |
| | | OHSA, CAN | 100 ppm TWA150 ppm STEL |
| | | Mexico | 100 ppm TWA LMPE-PPT; 435 mg/m ³ TWA LMPE-PPT150 ppm STEL [LMPE-CT]; 655 mg/m ³ STEL [LMPE-CT] |
| | | Brazil | 78 ppm TWA LT; 340 mg/m ³ TWA LT |
| 0001344-28-1 | Aluminum oxide | OSHA | 15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction) |
| | | ACGIH | |
| | | NIOSH | |
| | | Supplier | |
| | | OHSA, CAN | |
| | | Mexico | 10 mg/m ³ TWA LMPE-PPT |
| | | Brazil | |
| 0007631-86-9 | Silica, amorphous | OSHA | |

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|--------------|---|--------------|--|
| | | ACGIH | |
| | | NIOSH | 6 mg/m3 TWA3000 mg/m3 IDLH |
| | | Supplier | |
| | | OHSA, CAN | |
| | | Mexico | |
| | | Brazil | |
| 0013463-67-7 | Titanium dioxide | OSHA | 15 mg/m3 TWA (total dust) |
| | | ACGIH | 10 mg/m3 TWA |
| | | NIOSH | 5000 mg/m3 IDLH |
| | | Supplier | |
| | | OHSA, CAN | 10 mg/m3 TWA |
| | | Mexico | 10 mg/m3 TWA LMPE-PPT (as Ti)20 mg/m3 STEL [LMPE-CT] (as Ti) |
| | | Brazil | |
| 0015625-89-5 | Trimethylolpropane triacrylate | OSHA | |
| | | ACGIH | |
| | | NIOSH | |
| | | Supplier | |
| | | OHSA, CAN | |
| | | Mexico | |
| | | Brazil | |
| 0021645-51-2 | Aluminum hydroxide | OSHA | |
| | | ACGIH | |
| | | NIOSH | |
| | | Supplier | |
| | | OHSA, CAN | |
| | | Mexico | |
| | | Brazil | |
| 0025068-38-6 | Epoxy Resin | OSHA | |
| | | ACGIH | |
| | | NIOSH | |
| | | Supplier | |
| | | OHSA, CAN | |
| | | Mexico | |
| | | Brazil | |
| 0028064-14-4 | PHENOL, POLYMER WITH FORMALDEHYDE, GLYCIDYL ETHER | OSHA | |
| | | ACGIH | |
| | | NIOSH | |
| | | Supplier | |
| | | OHSA, CAN | |
| | | Mexico | |
| | | Brazil | |
| 0112926-00-8 | Silica gel, pptd., cryst.-free | OSHA | |
| | | ACGIH | |
| | | NIOSH | |
| | | Supplier | |
| | | OHSA, CAN | 10 mg/m3 TWA |
| | | Mexico | 10 mg/m3 TWA LMPE-PPT |
| | | Brazil | |

Health Data

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| CAS No. | Ingredient | Source | Value |
|--------------|---|--------|---|
| 0000108-10-1 | Methylisobutyl ketone | NIOSH | Irritation liver |
| 0000108-88-3 | Benzene, methyl- | NIOSH | Central nervous system depressant |
| 0000110-43-0 | Methyl n-amyl ketone | NIOSH | Irritation; liver kidney |
| 0001305-62-0 | Calcium hydroxide | NIOSH | Caustic irritation of all exposed body surfaces and the respiratory tract |
| 0001330-20-7 | Xylenes (o-, m-, p- isomers) | NIOSH | Central nervous system depressant; respiratory and eye irritation |
| 0001344-28-1 | Aluminum oxide | NIOSH | |
| 0007631-86-9 | Silica, amorphous | NIOSH | |
| 0013463-67-7 | Titanium dioxide | NIOSH | Lung tumors in animals |
| 0015625-89-5 | Trimethylolpropane triacrylate | NIOSH | |
| 0021645-51-2 | Aluminum hydroxide | NIOSH | |
| 0025068-38-6 | Epoxy Resin | NIOSH | |
| 0028064-14-4 | PHENOL, POLYMER WITH FORMALDEHYDE, GLYCIDYL ETHER | NIOSH | |
| 0112926-00-8 | Silica gel, pptd., cryst.-free | NIOSH | |

Carcinogen Data

| CAS No. | Ingredient | Source | Value |
|--------------|--------------------------------|--------|---|
| 0000108-10-1 | Methylisobutyl ketone | OSHA | Select Carcinogen: Yes |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No; |
| 0000108-88-3 | Benzene, methyl- | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No; |
| 0000110-43-0 | Methyl n-amyl ketone | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 0001305-62-0 | Calcium hydroxide | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 0001330-20-7 | Xylenes (o-, m-, p- isomers) | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No; |
| 0001344-28-1 | Aluminum oxide | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 0007631-86-9 | Silica, amorphous | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No; |
| 0013463-67-7 | Titanium dioxide | OSHA | Select Carcinogen: Yes |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No; |
| 0015625-89-5 | Trimethylolpropane triacrylate | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 0021645-51-2 | Aluminum hydroxide | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | |

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|--------------|---|------|---|
| | | | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 0025068-38-6 | Epoxy Resin | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 0028064-14-4 | PHENOL, POLYMER WITH FORMALDEHYDE, GLYCIDYL ETHER | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 0112926-00-8 | Silica gel, pptd., cryst.-free | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No; |

8.2. Exposure controls

| | |
|----------------------|---|
| Respiratory | Select equipment to provide protection from the ingredients listed in Section 3 of this document. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates dust, vapor, or mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use. FOR USERS OF 3M RESPIRATORY PROTECTION ONLY: For information and assistance on 3M occupational health and safety products, call OH&ESD Technical Service toll free in U.S.A. 1-800-243-4630, in Canada call 1-800-267-4414. Please do not contact these numbers regarding other manufacturer's respiratory protection products. 3M does not endorse the accuracy of the information contained in this Material Safety Data Sheet. |
| Eyes | Avoid contact with eyes. Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 3 of this document. Depending on the site-specific conditions of use, safety glasses, chemical goggles, and/or head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use. |
| Skin | Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 3 of this document. Depending on the site-specific conditions of use, protective gloves, apron, boots, head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use. |
| Engineering Controls | Depending on the site-specific conditions of use, provide adequate ventilation. |
| Other Work Practices | Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use good personal hygiene practices. Wash hands before eating, drinking, using toilet facilities, etc. Promptly remove soiled clothing and wash clothing thoroughly before reuse. Shower after work using plenty of soap and water. |

9. Physical and chemical properties

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|---|---|
| Appearance | Green Liquid |
| Odour threshold | Not Measured |
| pH | No Established Limit |
| Melting point / freezing point | Not Measured |
| Initial boiling point and boiling range | 111 (°C) 231 (°F) |
| Flash Point | 7 (°C) 45 (°F) |
| Evaporation rate (Ether = 1) | Not Measured |
| Flammability (solid, gas) | Not Applicable |
| Upper/lower flammability or explosive limits | Lower Explosive Limit: 1 Upper Explosive Limit: No Established Limit |
| vapor pressure (Pa) | Not Measured |
| Vapor Density | Heavier than air |
| Specific Gravity | 1.33 |
| Partition coefficient n-octanol/water (Log Kow) | Not Measured |
| Auto-ignition temperature | Not Measured |

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| Decomposition temperature | Not Measured |
| Viscosity (cSt) | No Established Limit Not Measured |
| VOC % | Refer to the Technical Data Sheet or label where information is available. |
| VOHAP content (gm/litre of paint) | 257.03 (as supplied) |
| VOHAP content (gm/litre of Solid Coating) | 178.34 (as supplied) |

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| 10. Stability and reactivity |
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10.1. Reactivity

No data available

10.2. Chemical stability

This product is stable and hazardous polymerization will not occur. Not sensitive to mechanical impact. Excessive heat and fumes generation can occur if improperly handled.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

FLAMMABLE/COMBUSTIBLE MATERIALS: Will be easily ignited by heat, sparks or flames. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks) creating a vapor explosion hazard. Runoff to sewers may create fire or explosion hazard. Containers may explode when heated.

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| 11. Toxicological information |
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Acute toxicity

NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

| Ingredient | Oral LD50, mg/kg | Skin LD50, mg/kg | Inhalation Vapor LD50, mg/L/4hr | Inhalation Dust/Mist LD50, mg/L/4hr |
|--|-------------------------------|----------------------------------|---------------------------------|-------------------------------------|
| Epoxy Resin - (25068-38-6) | 2,000.00, Rat - Category: 4 | 2,000.00, Rabbit - Category: 4 | No data available | No data available |
| Silica, amorphous - (7631-86-9) | 5,110.00, Rat - Category: NA | 5,000.00, Rabbit - Category: 5 | No data available | No data available |
| PHENOL, POLYMER WITH FORMALDEHYDE, GLYCIDYL ETHER - (28064-14-4) | 2,000.00, Rat - Category: 4 | No data available | No data available | No data available |
| Calcium hydroxide - (1305-62-0) | 7,340.00, Rat - Category: NA | No data available | No data available | No data available |
| Titanium dioxide - (13463-67-7) | 10,000.00, Rat - Category: NA | 10,000.00, Rabbit - Category: NA | No data available | 6.82, Rat - Category: NA |
| Methylisobutyl ketone - (108-10-1) | 2,080.00, Rat - Category: 5 | 16,000.00, Rabbit - Category: NA | 12.30, Rat - Category: 4 | No data available |
| Aluminum hydroxide - (21645-51-2) | 5,000.00, Rat - Category: 5 | No data available | No data available | No data available |
| Methyl n-amyl ketone - (110-43-0) | 1,670.00, Rat - Category: 4 | 12,600.00, Rabbit - Category: NA | No data available | No data available |
| Trimethylolpropane triacrylate - | 5,709.00, Rat - | 5,000.00, | No data | No data available |

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|---|--------------------------------|---------------------------------------|-----------------------------|-------------------|
| (15625-89-5) | Category: NA | Rabbit - Category: 5 | available | |
| Benzene, methyl- - (108-88-3) | 636.00, Rat - Category: 4 | 8,400.00, Rabbit - Category: NA | No data available | No data available |
| Silica gel, pptd., cryst.-free - (112926-00-8) | No data available | No data available | No data available | No data available |
| Aluminum oxide - (1344-28-1) | 5,000.00, Rat - Category: 5 | No data available | No data available | No data available |
| Xylenes (o-, m-, p- isomers) - (1330-20-7) | 4,299.00, Rat - Category: 5 | 1,548.00, Rabbit - Category: 4 | 20.00, Rat - Category: 4 | No data available |

| Item | Category | Hazard |
|--|----------------|---|
| Acute Toxicity (mouth) | 5 | May be harmful if swallowed. |
| Acute Toxicity (skin) | Not Classified | Not Applicable |
| Acute Toxicity (inhalation) | Not Classified | Not Applicable |
| Skin corrosion/irritation | 2 | Causes skin irritation. |
| Eye damage/irritation | 2 | Causes serious eye irritation. |
| Sensitization (respiratory) | Not Classified | Not Applicable |
| Sensitization (skin) | 1 | May cause an allergic skin reaction. |
| Germ toxicity | Not Classified | Not Applicable |
| Carcinogenicity | Not Classified | Not Applicable |
| Reproductive Toxicity | 2 | Suspected of damaging the unborn child. |
| Specific target organ systemic toxicity (single exposure) | Not Classified | Not Applicable |
| Specific target organ systemic Toxicity (repeated exposure) | Not Classified | Not Applicable |
| Aspiration hazard | Not Classified | Not Applicable |

12. Ecological information

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

| Ingredient | 96 hr LC50 fish, mg/l | 48 hr EC50 crustacea, mg/l | ErC50 algae, mg/l |
|---|------------------------------------|-------------------------------|--|
| Epoxy Resin - (25068-38-6) | 3.10, Pimephales promelas | 1.40, Daphnia magna | Not Available |
| Silica, amorphous - (7631-86-9) | 10,000.00, Danio rerio | 10,000.00, Daphnia magna | 10,000.00 (72 hr), Scenedesmus subspicatus |
| PHENOL, POLYMER WITH FORMALDEHYDE, GLYCIDYL ETHER - (28064-14-4) | 9.00, Oncorhynchus mykiss | 9.00, Daphnia magna | Not Available |
| Calcium hydroxide - (1305-62-0) | Not Available | Not Available | 0.00 (hr), |
| Titanium dioxide - (13463-67-7) | 1,000.00, Fundulus heteroclitus | 5.50, Daphnia magna | 5.83 (72 hr), Pseudokirchneriella subcapitata |
| Methylisobutyl ketone - (108-10-1) | 505.00, Pimephales promelas | 1,550.00, Daphnia magna | 980.00 (48 hr), Scenedesmus subspicatus |
| Aluminum hydroxide - (21645-51-2) | Not Available | Not Available | Not Available |
| Methyl n-amyl ketone - (110-43-0) | 131.00, Pimephales promelas | Not Available | Not Available |
| | Not Available | Not Available | Not Available |

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| | | | |
|--|---------------------------|--------------------------|--------------------------------|
| Trimethylolpropane triacrylate - (15625-89-5) | | | |
| Benzene, methyl- - (108-88-3) | 5.80, Oncorhynchus mykiss | 19.60, Daphnia magna | Not Available |
| Silica gel, pptd., cryst.-free - (112926-00-8) | Not Available | Not Available | Not Available |
| Aluminum oxide - (1344-28-1) | Not Available | Not Available | Not Available |
| Xylenes (o-, m-, p- isomers) - (1330-20-7) | 3.30, Oncorhynchus mykiss | 8.50, Palaemonetes pugio | 100.00 (72 hr), Chlorococcales |

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available

13. Disposal considerations

13.1. Waste treatment methods

Do not allow spills to enter drains or watercourses.

Dispose of in accordance with local, state and federal regulations. (Also reference RCRA information in Section 15 if listed).

14. Transport information

14.1. UN number UN 1263

14.2. UN proper shipping name PAINT

14.3. Transport hazard class(es)

DOT (Domestic Surface Transportation)

DOT Proper Shipping Name PAINT

DOT Hazard Class 3

UN / NA Number UN 1263

DOT Packing Group II

CERCLA/DOT RQ 692 gal. / 7675 lbs.

IMO / IMDG (Ocean Transportation)

IMDG Proper Shipping Name PAINT

IMDG Hazard Class 3
Sub Class 2

IMDG Packing Group II

System Reference Code 28

14.4. Packing group II

14.5. Environmental hazards

IMDG Marine Pollutant: Yes (Epoxy Resin)

14.6. Special precautions for user

Not Applicable

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not Applicable

15. Regulatory information

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Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA Inventory.

WHMIS Classification B2 D2A

DOT Marine Pollutants (10%):
(No Product Ingredients Listed)

DOT Severe Marine Pollutants (1%):
(No Product Ingredients Listed)

EPCRA 311/312 Chemicals and RQs (>.1%) :

- Benzene, ethyl- (1000 lb final RQ; 454 kg final RQ)
- Methylisobutyl ketone (5000 lb final RQ; 2270 kg final RQ)
- Butanol (5000 lb final RQ; 2270 kg final RQ)
- Benzene, methyl- (1000 lb final RQ; 454 kg final RQ)
- Xylenes (o-, m-, p- isomers) (100 lb final RQ; 45.4 kg final RQ)

EPCRA 302 Extremely Hazardous (>.1%) :
(No Product Ingredients Listed)

EPCRA 313 Toxic Chemicals (>.1%) :

- Aluminum oxide
- Benzene, ethyl-
- Methylisobutyl ketone
- Butanol
- Benzene, methyl-
- Xylenes (o-, m-, p- isomers)

Mass RTK Substances (>1%) :

- Aluminum oxide
- Calcium hydroxide
- Methyl n-amyl ketone
- Methylisobutyl ketone
- Silica gel, pptd., cryst.-free
- Silica, amorphous
- Titanium dioxide
- Benzene, methyl-
- Xylenes (o-, m-, p- isomers)

Penn RTK Substances (>1%) :

- Aluminum oxide
- Calcium hydroxide
- Methyl n-amyl ketone
- Methylisobutyl ketone
- Silica gel, pptd., cryst.-free
- Silica, amorphous
- Titanium dioxide
- Benzene, methyl-
- Xylenes (o-, m-, p- isomers)

Penn Special Hazardous Substances (>.01%) :

- Epichlorohydrin

RCRA Status:

(No Product Ingredients Listed)

N.J. RTK Substances (>1%) :

- Aluminum oxide
- Calcium hydroxide
- Methyl n-amyl ketone
- Methylisobutyl ketone
- Silica gel, pptd., cryst.-free
- Silica, amorphous
- Titanium dioxide
- Benzene, methyl-

Xylenes (o-, m-, p- isomers)

N.J. Special Hazardous Substances (>.01%) :

Calcium oxide

Epichlorohydrin

Benzene, ethyl-

Methylisobutyl ketone

Butanol

Potassium oxide

Quartz

Benzene, methyl-

Xylenes (o-, m-, p- isomers)

N.J. Env. Hazardous Substances (>.1%) :

Aluminum oxide

Benzene, ethyl-

Methylisobutyl ketone

Butanol

Benzene, methyl-

Xylenes (o-, m-, p- isomers)

Proposition 65 - Carcinogens (>0%):

Epichlorohydrin

Benzene, ethyl-

Formaldehyde

Methylisobutyl ketone

Quartz

Titanium dioxide

Proposition 65 - Female Repro Toxins (>0%):

Benzene, methyl-

Proposition 65 - Male Repro Toxins (>0%):

Epichlorohydrin

Proposition 65 - Developmental Toxins (>0%):

Benzene, methyl-

| |
|-----------------------|
| 16. Other information |
|-----------------------|

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H225 Highly flammable liquid and vapor.

H226 Flammable liquid and vapor.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H361 Suspected of damaging fertility or the unborn child.

H372 Causes damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

The following sections have changed since the previous revision.

End of Document