## Engine Enamel CHRYSLER TURQUOISE

## SECTION 1: Identification

### Product identifier

**Product name:** Engine Enamel CHRYSLER TURQUOISE
**Product code:** 42128

### Recommended use of the product and restriction on use

**Relevant identified uses:** Coating compound/ Surface coating/ paint
**Uses advised against:** Not determined or not applicable.
**Reasons why uses advised against:** Not determined or not applicable.

### Manufacturer or supplier details

| **Manufacturer:** | **Supplier:** |
|---|---|
| **United States** | **Australia** |
| P.O.R. Products | Sydney Automotive Paints & Equipment Pty Ltd |
| 38 Portman Road | A3 / 366 Edgar Street |
| New Rochelle, NY 10801 | Condell Park, NSW 2200 Australia |
| 914-636-0700 | +61 2 9772 9000 |

### Emergency telephone number:

**Australia**
**Emergency telephone AU Poison Information Centre 13 11 26**
General medical information: +61 2 9772 9000 (Mon to Fri, 08:00-16:00 AEST)
Transport information: +61 2 9772 9000 (Mon to Fri, 08:00-16:00 AEST)

## SECTION 2: Hazard(s) identification

### GHS classification:

Flammable liquids, category 3
Skin sensitization, category 1
Specific target organ toxicity - repeated exposure, category 1
Carcinogenicity, category 1B

### Label elements

**Hazard pictograms:**

**Signal word:** Danger

### Hazard statements:

H226 Flammable liquid and vapor.
H317 May cause an allergic skin reaction.
H372 Causes damage to organs through prolonged or repeated exposure.
H350 May cause cancer.

### Precautionary statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P260 Do not breathe dust/fume/gas/mist/vapors/spray.
P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P281 Use personal protective equipment as required.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P370+P378 In case of fire: Use appropriate fire extinguishing methods for extinction.
P321 Specific treatment (see first aid instructions on this label).
P363 Wash contaminated clothing before reuse
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P333+P313 If skin irritation or a rash occurs: Get medical advice/attention
P362+P364 Take off contaminated clothing and wash it before reuse.
P314 Get medical advice/attention if you feel unwell
P308+P313 If exposed or concerned: Get medical advice/attention
P403+P235 Store in a well ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents/container according to local regulations.

**Hazards not otherwise classified:** None

## SECTION 3: Composition and information on ingredients

| Identification | Name | Weight % |
|---|---|---|
| CAS number: 8052-41-3 | Stoddard Solvent | 35-38 |
| CAS number: 64742-48-9 | Naphtha (petroleum), hydrotreated heavy | 3-6 |
| CAS number: 13463-67-7 | Titanium Dioxide | <3 |
| CAS number: 64742-95-6 | Solvent naphtha (petroleum), light arom. | <0.5 |
| CAS number: 91-20-3 | Naphthalene | <0.01 |
| CAS number: 22464-99-9 | Zirconium 2-Ethyloexanoate | 0.1-0.5 |
| CAS number: 64742-47-8 | Distillates (petroleum), hydrotreated light | 0.1-0.5 |

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| | | |
|---|---|---|
| CAS number: 108-65-6 | 1-Methoxy-2-propanol acetate | 0.1-0.5 |
| CAS number: 7534-94-3 | Isobornyl methacrylate | <0.01 |
| CAS number: 123-86-4 | n-Butyl acetate | 0.01-0.05 |
| CAS number: 147-14-8 | 29H,31H-Phthalocyaninato(2-)-N29,N30,N31,N32 copper | 0.05-0.1 |
| CAS number: 136-52-7 | Cobalt bis(2-ethylhexanoate) | 0.1-0.3 |
| CAS number: 98-82-8 | Cumene | <0.01 |
| CAS number: 1328-53-6 | Polychloro copper phthalocyanine | 0.1-0.5 |
| CAS number: 108-88-3 | Toluene | <0.01 |
| CAS number: 96-29-7 | Methyl ethyl ketoxime | 0.1-0.5 |
| CAS number: 8030-76-0 | Lecithins, soybean | 0.1-0.5 |
| CAS number: 71-43-2 | Benzene | <0.01 |
| CAS number: 112-34-5 | 2-(2-Butoxyethoxy)ethanol | 0.01-0.05 |
| CAS number: 1333-86-4 | Carbon Black | 0.05-0.1 |
| CAS number: 100-41-4 | Ethyl Benzene | <0.01 |

**Additional Information:** None

## SECTION 4: First aid measures

### Description of first aid measures

**General notes:**
Not determined or not applicable.

**After inhalation:**
Loosen clothing as necessary and position individual in a comfortable position
Maintain an unobstructed airway
Get medical advice/attention if you feel unwell

**After skin contact:**
Rinse affected area with soap and water
If symptoms develop or persist, seek medical attention

**After eye contact:**
Rinse/flush exposed eye(s) gently using water for 15-20 minutes

If symptoms develop or persist, seek medical attention

**After swallowing:**

Rinse mouth thoroughly
Seek medical attention if irritation, discomfort, or vomiting persists

**Most important symptoms and effects, both acute and delayed**

**Acute symptoms and effects:**

Not determined or not applicable.

**Delayed symptoms and effects:**

Not determined or not applicable.

**Immediate medical attention and special treatment**

**Specific treatment:**

Not determined or not applicable.

**Notes for the doctor:**

Not determined or not applicable.

## SECTION 5: Fire fighting measures

**Extinguishing media**

**Suitable extinguishing media:**

Use Water (fog only), dry chemical, chemical foam, carbon dioxide, or alcohol-resistant foam

**Unsuitable extinguishing media:**

Do not use a water stream as an extinguisher

**Specific hazards during fire-fighting:**

Thermal decomposition can lead to release of irritating gases and vapors
Vapors can flow to distant ignition sources and flashback
Liquid is volatile and may generate an explosive atmosphere

**Special protective equipment for firefighters:**

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit

**Special precautions:**

Shut off sources of ignition
Carbon monoxide and carbon dioxide may form upon combustion
Heating causes a rise in pressure, risk of bursting and combustion
Hazchem: •3Y

## SECTION 6: Accidental release measures

**Personal precautions, protective equipment and emergency procedures:**

Ensure adequate ventilation
Ensure air handling systems are operational
Wear protective eye wear, gloves and clothing
Beware of vapors accumulating to form explosive concentrations
Vapors can accumulate in low areas

**Environmental precautions:**

Should not be released into the environment
Prevent from reaching drains, sewer or waterway

**Methods and material for containment and cleaning up:**

Wear protective eye wear, gloves and clothing
Use spark-proof tools and explosion-proof equipment
Absorb with non-combustible liquid-binding material (sand, diatomaceous earth (clay), acid binders, universal binders)
Dispose of contents / container in accordance with local regulations

**Reference to other sections:**
Not determined or not applicable.

## SECTION 7: Handling and storage precautions

**Precautions for safe handling:**
Use only with adequate ventilation.
Avoid breathing mist or vapor.
Do not eat, drink, smoke or use personal products when handling chemical substances.
Take precautionary measures against electrostatic discharges.
Use only non-sparking tools.

**Conditions for safe storage, including any incompatibilities:**
Keep container tightly sealed.
Protect from freezing and physical damage.
Store in a cool, well-ventilated area.
Store away from all ignition sources (open flames, hot surfaces, direct sunlight, spark sources).

## SECTION 8: Exposure controls and personal protection

Only those substances with limit values have been included below.

**Occupational Exposure limit values:**

| Country (Legal Basis) | Substance | Identifier | Permissible concentration |
|---|---|---|---|
| Australia | Stoddard Solvent | 8052-41-3 | Time weighted average: 790 mg/m³ |
| | Naphthalene | 91-20-3 | Time Weighted Average: 52 mg/m³ (10 ppm) |
| | Naphthalene | 91-20-3 | Short Term Exposure Limit: 79 mg/m³ (15 ppm) |
| | Zirconium 2-Ethyloexanoate | 22464-99-9 | Time weighted average: 5 mg/m³ |
| | Zirconium 2-Ethyloexanoate | 22464-99-9 | Short Term Exposure Limit: 10 mg/m³ |
| | Titanium Dioxide | 13463-67-7 | TWA: 10 mg/m³ |
| United States (OSHA) | Ethyl Benzene | 100-41-4 | OSHA PEL (STEL): 125.0 ppm |
| | Ethyl Benzene | 100-41-4 | OSHA TWA 100 ppm 435 mg/m³ |
| | Zirconium 2-Ethyloexanoate | 22464-99-9 | OSHA PEL TWA 5 mg/m³, as Zr |
| | Zirconium 2-Ethyloexanoate | 22464-99-9 | OSHA Z-1-A STEL: 10 mg/m³ |
| | Distillates (petroleum), hydrotreated light | 64742-47-8 | OSHA TWA: 400 mg/m³ (100 ppm) |
| | 29H,31H-Phthalocyaninato(2-)-N29,N30,N31,N32 copper | 147-14-8 | OSHA PEL TWA 1.0 mg/m³, as Cu |

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| Country (Legal Basis) | Substance | Identifier | Permissible concentration |
|---|---|---|---|
| | Cumene | 98-82-8 | OSHA PEL TWA 50 ppm, 245.0 mg/m³ |
| | Benzene | 71-43-2 | OSHA PEL [1910.1028] TWA 1 ppm |
| | Benzene | 71-43-2 | OSHA PEL [1910.1028] ST 5 ppm |
| | n-Butyl acetate | 123-86-4 | OSHA PEL TWA 150.0 ppm (710.0 mg/m³) |
| | Carbon Black | 1333-86-4 | OSHA PEL TWA 3.5 mg/m³ |
| | Toluene | 108-88-3 | OSHA PEL 300 ppm Ceiling |
| | Toluene | 108-88-3 | OSHA PEL TWA 200 ppm |
| | Toluene | 108-88-3 | OSHA PEL 500 ppm Peak (10 mins) |
| ACGIH | Ethyl Benzene | 100-41-4 | ACGIH TWA: 20.0 ppm |
| | Ethyl Benzene | 100-41-4 | ACGIH STEL: 125.0 ppm |
| | Zirconium 2-Ethyloexanoate | 22464-99-9 | ACGIH TLV TWA: 5.0 mg/m³, as Zr (long-term) |
| | Zirconium 2-Ethyloexanoate | 22464-99-9 | ACGIH STEL 10 mg/m³, as Zr (short-term) |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | 8-Hour Exposure Limit (TLV-TWA): 10 ppm |
| | Distillates (petroleum), hydrotreated light | 64742-47-8 | 8-Hour Exposure Limit (TLV-TWA): 200 mg/m³ |
| | 29H,31H-Phthalocyaninato(2-)-N29,N30,N31,N32 copper | 147-14-8 | ACGIH TLV TWA: 1.0 mg/m³, as Cu |
| | Cumene | 98-82-8 | ACGIH TLV TWA: 50 ppm |
| | Benzene | 71-43-2 | ACGIH TLV TWA 0.5 ppm |
| | Benzene | 71-43-2 | ACGIH TLV STEL 2.5 ppm |
| | n-Butyl acetate | 123-86-4 | ACGIH TWA: 150 ppm |
| | n-Butyl acetate | 123-86-4 | ACGIH STEL: 200 ppm |
| | Carbon Black | 1333-86-4 | TLV-TWA 3.0 mg/m³ |
| | Toluene | 108-88-3 | ACGIH TWA: 20 ppm |
| NIOSH | Ethyl Benzene | 100-41-4 | NIOSH TWA 100.0 ppm 435.0 mg/m³ |
| | Ethyl Benzene | 100-41-4 | NIOSH ST 125.0 ppm 545.0 mg/m³ |
| | Zirconium 2-Ethyloexanoate | 22464-99-9 | NIOSH REL TWA 5.0 mg/m³, as Zr |
| | Zirconium 2-Ethyloexanoate | 22464-99-9 | NIOSH ST 10.0 mg/m³, as Zr |
| | Distillates (petroleum), hydrotreated light | 64742-47-8 | NIOSH Recommended exposure limit (REL) [for up to a 10-hour workday during a 40-hour workweek]: 400 mg/m³ (100 ppm) |
| | Distillates (petroleum), hydrotreated light | 64742-47-8 | NIOSH Immediately dangerous to life or health (IDLH) concentration: 1000 ppm. |
| | 29H,31H-Phthalocyaninato(2-)-N29,N30,N31,N32 copper | 147-14-8 | NIOSH IDLH 100.0 mg/m³, as Cu |

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| Country (Legal Basis) | Substance | Identifier | Permissible concentration |
|---|---|---|---|
| | Cumene | 98-82-8 | NIOSH REL TWA 50 ppm, 245.0 mg/m³ |
| | Benzene | 71-43-2 | NIOSH REL Ca TWA 0.1 ppm |
| | Benzene | 71-43-2 | NIOSH REL ST 1 ppm |
| | n-Butyl acetate | 123-86-4 | NIOSH TWA 150.0 ppm (710 mg/m³) |
| | n-Butyl acetate | 123-86-4 | NIOSH ST 200.0 ppm (950.0 mg/m³) |
| | Carbon Black | 1333-86-4 | NIOSH REL TWA 0.1 mg PAHs/m3 [Carbon black in presence of polycyclic aromatic hydrocarbons (PAHs)] |
| | Carbon Black | 1333-86-4 | NIOSH REL TWA 3.5 mg/m³ Ca |
| | Toluene | 108-88-3 | NIOSH TWA 375.0 mg/m³; 100 ppm |
| | Toluene | 108-88-3 | NIOSH STEL 560 mg/m³; 150 ppm |
| China | Zirconium 2-Ethyloexanoate | 22464-99-9 | 8-hour Time Weighted Average: 5 mg/m³ |
| | Zirconium 2-Ethyloexanoate | 22464-99-9 | 15-minute Short Term Exposure Limit: 10 mg/m³ |
| Croatia | Zirconium 2-Ethyloexanoate | 22464-99-9 | Maximum (8 hr) allowable concentration: 5 mg/m³ |
| | Zirconium 2-Ethyloexanoate | 22464-99-9 | Short-term (15 min) allowable concentration: 10 mg/m³ |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | Maximum (8 hr) allowable concentration: 10 ppm (67.5 mg/m³) |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | Short-term (15 min) allowable concentration: 15 ppm (101.2 mg/m³) |
| Cyprus | Zirconium 2-Ethyloexanoate | 22464-99-9 | 8-hour TWA: 5.0 mg/m³ |
| Hungary | Zirconium 2-Ethyloexanoate | 22464-99-9 | 8-hour TWA (ÁK Value): 5 mg/m³ |
| | Zirconium 2-Ethyloexanoate | 22464-99-9 | 60-minute STEL (CK Value): 20 mg/m³ |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | 8-hour TWA (ÁK Value): 67.5 mg/m³ |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | 60-minute STEL (CK Value): 101.2 mg/m³ |
| Poland | Zirconium 2-Ethyloexanoate | 22464-99-9 | 8-hour TWA (NDS): 5 mg/m³ |
| | Zirconium 2-Ethyloexanoate | 22464-99-9 | 15-minute STEL (NDSCh): 10 mg/m³ |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | 8-hour TWA (NDS): 67 mg/m³ |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | 15-minute STEL (NDSCh): 100 mg/m³ |
| Romania | Zirconium 2-Ethyloexanoate | 22464-99-9 | 8-hour TWA: 5 mg/m³ |

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| Country (Legal Basis) | Substance | Identifier | Permissible concentration |
|---|---|---|---|
| | Zirconium 2-Ethyloexanoate | 22464-99-9 | 15-minute STEL: 10 mg/m³ |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | 8-hour TWA: 67.5 mg/m³ (10 ppm) |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | 15-minute STEL: 101.2 mg/m³ (15 ppm) |
| Slovakia | Zirconium 2-Ethyloexanoate | 22464-99-9 | 8-hour TWA (NPEL): 1 mg/m³ |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | 8-hour TWA (NPEL): 10 ppm (67.5 mg/m³) |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | 15-minute STEL (NPEL): 15 ppm (101.2 mg/m³) |
| Slovenia | Zirconium 2-Ethyloexanoate | 22464-99-9 | 8-hour TWA: 1 mg/m³ |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | 8-hour TWA: 67.5 mg/m³ (10 ppm) |
| Austria | Zirconium 2-Ethyloexanoate | 22464-99-9 | TWA: 5 mg/m³ |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | TWA: 10 ppm (97.5 mg/m³) |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | STEL: 15 ppm (101.2 mg/m³) |
| Belgium | Zirconium 2-Ethyloexanoate | 22464-99-9 | 8-hour TWA: 5 mg/m³ |
| | Zirconium 2-Ethyloexanoate | 22464-99-9 | 15-minute STEL: 10 mg/m³ |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | 8-hour TWA: 10 ppm (67.5 mg/m³) |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | 15-minute STEL: 15 ppm (101.2 mg/m³) |
| Denmark | Zirconium 2-Ethyloexanoate | 22464-99-9 | TWA: 5 mg/m³ |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | TWA: 10 ppm (68 mg/m³) |
| Finland | Zirconium 2-Ethyloexanoate | 22464-99-9 | 8-hour limit: 1 mg/m³ |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | 8-hour limit: 10 ppm (68 mg/m³) |
| Germany | Zirconium 2-Ethyloexanoate | 22464-99-9 | AGW Limit value: 1 mg/m³ |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | AGW Limit value: 10 ppm (67 mg/m³) |
| Greece | Zirconium 2-Ethyloexanoate | 22464-99-9 | 8-hour tWA: 5 mg/m³ |
| | Zirconium 2-Ethyloexanoate | 22464-99-9 | 15-minute STEL: 10 mg/m³ |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | 8-hour TWA: 10 ppm (67.5 mg/m³) |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | 15-minute STEL: 101.2 mg/m³ (15 ppm) |
| Ireland | Zirconium 2-Ethyloexanoate | 22464-99-9 | 8-hour OEL (TWA): 5 mg/m³ |
| | Zirconium 2-Ethyloexanoate | 22464-99-9 | 15-minute OEL (STEL): 10 mg/m³ |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | 8-hour OEL (TWA): 10 ppm (67.5 mg/m³) |

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|---|---|---|---|
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | 15-minute OEL (STEL): 15 ppm (101.2 mg/m³) |
| Portugal | Zirconium 2-Ethyloexanoate | 22464-99-9 | NP 1796-2007 - 8-hour exposure limit: 5 mg/m³ |
| | Zirconium 2-Ethyloexanoate | 22464-99-9 | NP 1796-2007 - Short-term exposure limit: 10 mg/m³ |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | Decree-Law No. 24/2012 - 8-hour TWA: 10 ppm (67.5 mg/m³) |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | Decree-Law No. 24/2012 - 15-minute STEL: 15 ppm (101.2 mg/m³) |
| Spain | Zirconium 2-Ethyloexanoate | 22464-99-9 | 8-hour daily exposure limit (VLA_ED): 5 mg/m³ |
| | Zirconium 2-Ethyloexanoate | 22464-99-9 | 15-minute STEL (VLA-EC): 10 mg/m³ |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | 8-hour daily exposure limit (VLA_ED): 10 ppm (67.5 mg/m³) |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | 15-minute STEL (VLA-EC): 15 ppm (101.2 mg/m³) |
| United Kingdom | Zirconium 2-Ethyloexanoate | 22464-99-9 | TWA: 5 mg/m³ |
| | Zirconium 2-Ethyloexanoate | 22464-99-9 | STEL: 10 mg/m³ |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | TWA: 10 ppm (67.5 mg/m³) |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | STEL: 15 ppm (101.2 mg/m³) |
| Brazil | Zirconium 2-Ethyloexanoate | 22464-99-9 | 8-Hour Exposure Limit (TLV-TWA): 5 mg/m³ |
| | Zirconium 2-Ethyloexanoate | 22464-99-9 | 15-minute STEL: 10 mg/m³ |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | 8-Hour Exposure Limit (TLV-TWA): 10 ppm |
| Canada | Zirconium 2-Ethyloexanoate | 22464-99-9 | Alberta OELs - 8-Hour TWA Exposure Limit: 5 mg/m³ |
| | Zirconium 2-Ethyloexanoate | 22464-99-9 | Alberta OELs - 15-minute STEL: 10 mg/m³ |
| | Zirconium 2-Ethyloexanoate | 22464-99-9 | British Columbia OELs - 8-Hour TWA Exposure Value: 5 mg/m³ |
| | Zirconium 2-Ethyloexanoate | 22464-99-9 | British Columbia OELs - 15-minute STEL: 10 mg/m³ |
| | Zirconium 2-Ethyloexanoate | 22464-99-9 | Manitoba OELs - 8-Hour Exposure Limit (TLV-TWA): 5 mg/m³ |
| | Zirconium 2-Ethyloexanoate | 22464-99-9 | Manitoba OELs - 15-minute STEL: 10 mg/m³ |
| | Zirconium 2-Ethyloexanoate | 22464-99-9 | Ontario OELs - 8-hour TWA Exposure Value (TWA): 5 mg/m³ |
| | Zirconium 2-Ethyloexanoate | 22464-99-9 | Ontario OELs - 15-minute STEL: 10 mg/m³ |
| | Zirconium 2-Ethyloexanoate | 22464-99-9 | Quebec OELs - 8-Hour TWA Exposure Value: 5 mg/m³ |

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|---|---|---|---|
| | Zirconium 2-Ethyloexanoate | 22464-99-9 | Quebec OELs - 15-minute STEL: 10 mg/m³ |
| | Zirconium 2-Ethyloexanoate | 22464-99-9 | Saskatchewan OELs- 8 Hour Average Contamination Limit: 5 mg/m³ |
| | Zirconium 2-Ethyloexanoate | 22464-99-9 | Saskatchewan OELs- 15 Minute Average Contamination Limit: 10 mg/m³ |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | Manitoba OELs - 8-Hour Exposure Limit (TLV-TWA): 10 ppm |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | Ontario OELs - 8-hour TWA Exposure Value (TWA): 10 ppm |
| | Distillates (petroleum), hydrotreated light | 64742-47-8 | Alberta OELs - 8-Hour TWA Exposure Limit: 200 mg/m³ (Kerosene/Jet fuels, as total hydrocarbon vapor) |
| | Distillates (petroleum), hydrotreated light | 64742-47-8 | Alberta OELs - 8-Hour TWA Exposure Limit: 1590 mg/m³ (400 ppm) (Naphtha (Rubber solvent)) |
| | Distillates (petroleum), hydrotreated light | 64742-47-8 | British Columbia OELs - 8-Hour TWA Exposure Value: 200 mg/m³ |
| | Distillates (petroleum), hydrotreated light | 64742-47-8 | Manitoba OELs - 8-Hour Exposure Limit (TLV-TWA): 200 mg/m³ |
| | Distillates (petroleum), hydrotreated light | 64742-47-8 | Ontario OELs - 8-Hour TWA Exposure Value (TWA): 200 mg/m³ |
| | Distillates (petroleum), hydrotreated light | 64742-47-8 | Ontario OELs - 8-Hour TWA Exposure Value (TWA): 525 mg/m³ (Mineral spirits) |
| | Distillates (petroleum), hydrotreated light | 64742-47-8 | Quebec OELs - 8-Hour TWA Exposure Value: 1590 mg/m³ (400 ppm) |
| | Distillates (petroleum), hydrotreated light | 64742-47-8 | Saskatchewan OELs - 8 hour average contamination limit: 200 mg/m³ (Kerosene/Jet fuels, as total hydrocarbon vapor) |
| | Distillates (petroleum), hydrotreated light | 64742-47-8 | Saskatchewan OELs - 15 minute average contamination limit: 250 mg/m³ (Kerosene/Jet fuels, as total hydrocarbon vapor) |
| | Distillates (petroleum), hydrotreated light | 64742-47-8 | Saskatchewan OELs - 8 hour average contamination limit: 400 ppm (Rubber solvent (naphtha)) |
| | Distillates (petroleum), hydrotreated light | 64742-47-8 | Saskatchewan OELs - 15 minute average contamination limit: 500 ppm (Rubber solvent (naphtha)) |
| Mexico | Zirconium 2-Ethyloexanoate | 22464-99-9 | NOM-010-STPS-2014 - Time Weighted Average Exposure Limit Value (VLE-PPT): 5 mg/m³ |
| | Zirconium 2-Ethyloexanoate | 22464-99-9 | NOM-010-STPS-2014 - Short Time Exposure Limit Value (VLE-CT): 10 mg/m³ |
| Bulgaria | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | TWA: 67.5 mg/m³ (10 ppm) |

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| Country (Legal Basis) | Substance | Identifier | Permissible concentration |
|---|---|---|---|
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | 15-minute STEL: 101.2 mg/m³ (15 ppm) |
| Czech Republic | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | 8-hour TWA: 70 mg/m³ |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | Ceiling limit (NPK-P): 100 mg/m³ |
| Estonia | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | 8-hour TWA: 10 ppm (67.5 mg/m³) |
| Latvia | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | 8-hour TWA: 67.5 mg/m³ (10 ppm) |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | 15-minute STEL: 101.2 mg/m³ (15 ppm) |
| Lithuania | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | 8-hour TWA: 100 mg/m³ (15 ppm) |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | 15-minute STEL: 200 mg/m³ (30 ppm) |
| Malta | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | TWA: 10 ppm (67.5 mg/m³) |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | STEL: 15 ppm (101.2 mg/m³) |
| France | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | Time weighted average (VME): 10 ppm (67.5 mg/m³) |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | Short term exposure limit: 15 ppm (101.2 mg/m³) |
| Italy | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | 8-hour TWA: 10 ppm (67.5 mg/m³) |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | 15-min. STEL: 15 ppm (101.2 mg/m³) |
| Luxembourg | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | TWA: 10 ppm (67.5 mg/m³) |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | STEL: 15 ppm (101.2 mg/m³) |
| Netherlands | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | Binding 8-hour TWA: 50 mg/m³ |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | Binding 15-minute STEL: 100 mg/m³ |
| Sweden | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | Level Limit Value (NGV): 10 ppm (68 mg/m³) |
| | 2-(2-Butoxyethoxy)ethanol | 112-34-5 | Ceiling Limit Value (TGV): 15 ppm (101 mg/m³) |
| WEEL | 1-Methoxy-2-propanol acetate | 108-65-6 | WEEL TWA 50.0 ppm |

**Biological limit values:**

No biological exposure limits noted for the ingredient(s).

**Information on monitoring procedures:**

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls.
Biological monitoring may also be appropriate for some substances.

**Appropriate engineering controls:**

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.
Use explosion-proof ventilation equipment.

**Personal protection equipment**

**Eye and face protection:**

Safety goggles or glasses, or appropriate eye protection.

**Skin and body protection:**
Select glove material impermeable and resistant to the substance.
Wear appropriate clothing to prevent any possibility of skin contact.

**Respiratory protection:**
If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

**General hygienic measures:**
Avoid contact with skin, eyes and clothing.
Wash hands before breaks and at the end of work.
Wash contaminated clothing before reuse.

## SECTION 9: Physical and chemical properties

**Information on basic physical and chemical properties**

| | |
|---|---|
| **Appearance** | Turquoise Colored Liquid |
| **Odor** | Solvent-like |
| **Odor threshold** | Not determined or not available. |
| **pH** | Not determined or not available. |
| **Melting point/freezing point** | Not determined or not available. |
| **Initial boiling point/range** | >284°F (>140°C) |
| **Flash point (closed cup)** | >105°F (>41°C) |
| **Evaporation rate** | Not determined or not available. |
| **Flammability (solid, gas)** | Not determined or not available. |
| **Upper flammability/explosive limit** | Not determined or not available. |
| **Lower flammability/explosive limit** | Not determined or not available. |
| **Vapor pressure** | Not determined or not available. |
| **Vapor density** | Not determined or not available. |
| **Density** | 0.848-0.945 g/cm³ |
| **Relative density** | Not determined or not available. |
| **Solubilities** | Not miscible. |
| **Partition coefficient (n-octanol/water)** | Not determined or not available. |
| **Auto/Self-ignition temperature** | Product is not self-igniting |
| **Decomposition temperature** | Not determined or not available. |
| **Dynamic viscosity** | Not determined or not available. |
| **Kinematic viscosity** | Not determined or not available. |
| **Explosive properties** | Product is not explosive. However, formation of explosive air/vapor mixtures are possible. |
| **Oxidizing properties** | Not determined or not available. |

**Other information**

| | |
|---|---|
| **VOC Content** | 60-68% (Max - < 430 g/L) |

## SECTION 10: Stability and reactivity

**Reactivity:**
Does not react under normal conditions of use and storage.

**Chemical stability:**
Stable under normal conditions of use and storage.

**Possibility of hazardous reactions:**
Develops readily flammable gases/fumes.
Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomised.
Can react violently with oxygen rich (oxidizing) materials.
Toxic fumes may be released if heated above the decomposition point.
Used empty containers may contain product gases which form explosive mixtures with air.

**Conditions to avoid:**
Keep away from open flames, hot surfaces and sources of ignition.
Store away from oxidizing agents.

**Incompatible materials:**
None known.

**Hazardous decomposition products:**
CO, $CO_2$.
Hydrocarbons.

## SECTION 11: Hazard information

**Acute toxicity**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:**

| Name | Route | Result |
|---|---|---|
| Ethyl Benzene | inhalation | LCLo - Rat - 4,000 ppm/4 h |
| Naphthalene | oral | LD50 - Mouse - 316 mg/kg |

**Skin corrosion/irritation**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:**

| Name | Result |
|---|---|
| Naphtha (petroleum), hydrotreated heavy | Irritating to the skin. |
| Cobalt bis(2-ethylhexanoate) | Irritating to the skin. |
| Zirconium 2-Ethyloexanoate | Irritating to the skin. |
| Benzene | Irritating to the skin. |
| Isobornyl methacrylate | Irritating to the skin. |
| Toluene | Irritating to the skin. |

**Serious eye damage/irritation**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:**

| Name | Result |
|---|---|
| 2-(2-Butoxyethoxy)ethanol | Irritating effect on the eyes. |
| Methyl ethyl ketoxime | Risk of serious damage to the eyes. |
| Benzene | Irritating effect on the eyes. |
| Isobornyl methacrylate | Irritating effect on the eyes. |

**Respiratory or skin sensitization**

**Assessment:** May cause an allergic skin reaction

**Product data:**
No data available.

**Substance data:**

| Name | Result |
|---|---|
| Cobalt bis(2-ethylhexanoate) | May cause sensitization by skin contact. |
| Methyl ethyl ketoxime | May cause sensitization by skin contact |
| Cumene | No skin irritation |
| | No eye irritation |

**Carcinogenicity**

**Assessment:** May cause cancer

**Product data:** No data available.

**Substance data:**

| Name | Species | Result |
|---|---|---|
| Stoddard Solvent | Stoddard Solvent | Component may cause cancer. |
| Naphtha (petroleum), hydrotreated heavy | | May cause cancer. |
| Naphthalene | Not applicable. | Suspected of causing cancer. |
| Methyl ethyl ketoxime | | May cause cancer. |
| Solvent naphtha (petroleum), light arom. | Solvent naphtha (petroleum), light arom. | Component may cause cancer. |
| Benzene | Benzene | Confirmed human carcinogen. |
| Titanium Dioxide | | Airborne, unbound particles of respirable size are known to cause cancer. |
| Carbon Black | Carbon Black | The IARC carcinogenic classification and California Proposition 65 Warning only apply to airborne, unbound particles of respirable size of Carbon Black. |

**International Agency for Research on Cancer (IARC):**

| Name | Classification |
|---|---|
| Stoddard Solvent | Group 3 |
| Cobalt bis(2-ethylhexanoate) | Group 2B |
| Ethyl Benzene | Group 2B - Possibly carcinogenic to humans |
| Naphthalene | Group 2B - Possibly carcinogenic to humans |
| Distillates (petroleum), hydrotreated light | Group 3 - Not classifiable as to its carcinogenicity to humans |

| Name | Classification |
|---|---|
| Cumene | Group 2B - Possibly carcinogenic to humans |
| Benzene | Group 1 - Carcinogenic to humans |
| Titanium Dioxide | Group 2B |
| Carbon Black | Group 2B - Possibly carcinogenic to humans |
| Toluene | Group 3 - Not classifiable as to its carcinogenicity to humans |

**National Toxicology Program (NTP):**

| Name | Classification |
|---|---|
| Cobalt bis(2-ethylhexanoate) | Reasonably anticipated to be human carcinogens |
| Naphthalene | Reasonably anticipated to be human carcinogens |
| Benzene | Known to be human carcinogens |

**Germ cell mutagenicity**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**
No data available.

**Substance data:**

| Name | Result |
|---|---|
| Stoddard Solvent | May cause genetic defects. |
| Naphtha (petroleum), hydrotreated heavy | May cause genetic defects. |
| Solvent naphtha (petroleum), light arom. | May cause genetic defects. |
| Benzene | May cause genetic defects. |

**Reproductive toxicity**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**
No data available.

**Substance data:**

| Name | Result |
|---|---|
| Toluene | Suspected of damaging fertility or the unborn child. |

**Specific target organ toxicity (single exposure)**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**
No data available.

**Substance data:**

| Name | Result |
|---|---|
| Naphtha (petroleum), hydrotreated heavy | Component affects the central nervous system. |
| Ethyl Benzene | Repeated exposure damages the hearing organs. |
| Cumene | Component affects the respiratory system. |
| Benzene | Causes damage to the organs through prolonged or repeated exposure. |
| Isobornyl methacrylate | Component affects the respiratory system. |

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| Name | Result |
|---|---|
| n-Butyl acetate | SE May cause drowsiness or dizziness. - Central nervous system |
| Toluene | Component affects the central nervous system. |

**Specific target organ toxicity (repeated exposure)**

**Assessment:** Causes damage to organs through prolonged or repeated exposure

**Product data:**

No data available.

**Substance data:**

| Name | Result |
|---|---|
| Stoddard Solvent | Causes damage to organs through prolonged or repeated exposure. |

**Aspiration toxicity**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:**

| Name | Result |
|---|---|
| Stoddard Solvent | May be fatal if swallowed and enters airways. |
| Naphtha (petroleum), hydrotreated heavy | May be fatal if swallowed and enters airway. |
| Ethyl Benzene | May be fatal if swallowed and enters airway. |
| Distillates (petroleum), hydrotreated light | May be fatal if swallowed and enters airway. |
| Solvent naphtha (petroleum), light arom. | May be fatal if swallowed and enters airway. |

**Information on likely routes of exposure:**

No data available.

**Symptoms related to the physical, chemical and toxicological characteristics:**

No data available.

**Other information:**

No data available.

## SECTION 12: Ecological information

**Acute (short-term) toxicity**

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:**

| Name | Result |
|---|---|
| Naphthalene | LC50 - Opossum Shrimp - 0.85 mg/L - 96 h |
| | LC50 - Melanotaenia fluviatilis (Crimson-Spotted Rainbowfish) - 0.213 mg/L - 96 h |
| Cumene | EC50 - Daphnia magna - 1.4 mg/L - 24 h |
| | LC50 - Pimephales promelas - 6.32 mg/L - 96 h |

**Chronic (long-term) toxicity**

**Product data:** No data available.

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**Substance data:**

| Name | Result |
|---|---|
| Stoddard Solvent | NOEC Fish: 0.14 mg/L (96 Hr) |
| Cobalt bis(2-ethylhexanoate) | NOEC - Pimephales promelas - 0.21 mg/L - 34 d |

### Persistence and degradability

**Product data:** No data available.
**Substance data:** No data available.

### Bioaccumulative potential

**Product data:** No data available.
**Substance data:** No data available.

### Mobility in soil

**Product data:** No data available.
**Substance data:** No data available.

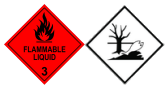
**Other adverse effects:** No data available.

## SECTION 13: Disposal considerations

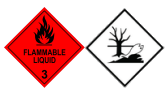
**Disposal methods:**
It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

## SECTION 14: Transport information

### Australian Dangerous Goods (ADG)

| | |
|---|---|
| **UN number** | 1263 |
| **UN proper shipping name** | Paint |
| **UN transport hazard class(es)** | 3   |
| **Packing group** | III |
| **Environmental hazards** | Marine Pollutant<br>(Stoddard Solvent) |
| **Special precautions for user** | None |
| **Hazchem/Emergency Action Code** | •3Y |

### International Maritime Dangerous Goods (IMDG)

| | |
|---|---|
| **UN number** | 1263 |
| **UN proper shipping name** | Paint |
| **UN transport hazard class(es)** | 3   |
| **Packing group** | III |
| **Environmental hazards** | Marine Pollutant<br>(Stoddard Solvent) |

| | |
|---|---|
| **Special precautions for user** | None |
| **EmS number** | F-E, S-E |
| **Stowage category** | A |
| **Excepted quantities** | E1 |
| **Limited quantity** | 5L |

**International Air Transport Association Dangerous Goods Regulations (IATA-DGR)**

| | |
|---|---|
| **UN number** | 1263 |
| **UN proper shipping name** | Paint |
| **UN transport hazard class(es)** | 3   |
| **Packing group** | III |
| **Environmental hazards** | Marine Pollutant<br>(Stoddard Solvent) |
| **Special precautions for user** | None |
| **ERG code** | 3L |
| **Excepted quantities** | E1 |
| **Passenger and cargo** | 60L |
| **Cargo aircraft only** | 220L |
| **Limited quantity** | 10L |

## SECTION 15: Regulatory information

**Australia regulations**

**Australian Inventory of Chemical Substances (AICS):**

| | | |
|---|---|---|
| 8052-41-3 | Stoddard Solvent | Listed |
| 64742-48-9 | Naphtha (petroleum), hydrotreated heavy | Listed |
| 136-52-7 | Cobalt bis(2-ethylhexanoate) | Listed |
| 100-41-4 | Ethyl Benzene | Listed |
| 91-20-3 | Naphthalene | Listed |
| 22464-99-9 | Zirconium 2-Ethyloexanoate | Listed |
| 112-34-5 | 2-(2-Butoxyethoxy)ethanol | Listed |
| 64742-47-8 | Distillates (petroleum), hydrotreated light | Listed |
| 96-29-7 | Methyl ethyl ketoxime | Listed |
| 8030-76-0 | Lecithins, soybean | Not Listed |
| 147-14-8 | 29H,31H-Phthalocyaninato(2-)-N29,N30,N31,N32 copper | Listed |
| 64742-95-6 | Solvent naphtha (petroleum), light arom. | Listed |
| 98-82-8 | Cumene | Listed |
| 108-65-6 | 1-Methoxy-2-propanol acetate | Listed |
| 71-43-2 | Benzene | Listed |
| 1328-53-6 | Polychloro copper phthalocyanine | Listed |

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| | | |
|---|---|---|
| 7534-94-3 | Isobornyl methacrylate | Listed |
| 123-86-4 | n-Butyl acetate | Listed |
| 13463-67-7 | Titanium Dioxide | Listed |
| 1333-86-4 | Carbon Black | Listed |
| 108-88-3 | Toluene | Listed |

**Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP):**

| | | |
|---|---|---|
| 8052-41-3 | Stoddard Solvent | Listed |
| 64742-48-9 | Naphtha (petroleum), hydrotreated heavy | Listed |
| 112-34-5 | 2-(2-Butoxyethoxy)ethanol | Listed |
| 64742-47-8 | Distillates (petroleum), hydrotreated light | Listed |
| 108-88-3 | Toluene | Listed |

## SECTION 16: Other information

**Abbreviations and Acronyms:** None

**Disclaimer:**

This SDS was authored in accordance with the Australian Work Health and Safety Regulations and supplemented by the Australian Code of Practice on the Preparation of Safety Data Sheets for Hazardous Chemicals. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

**NFPA:** 2-2-0

**HMIS:** 2-2-0

**Initial preparation date:** 04.24.2018

**Additional information:**

Version 1.1

**End of Safety Data Sheet**