

Radiator Black Enamel

SECTION 1- IDENTIFICATION OF THE MATERIAL AND SUPPLIER

| | |
|-----------------------------|---|
| Product Name: | Radiator Black Enamel |
| Manufacturing Product Code: | Z4678 |
| Recommended Uses: | For metal and machinery |
| Supplier: | Omega International Coatings P/L |
| Street Address | 111, Kurrajong Ave, Mount Druitt, NSW, 2770 |
| Telephone Number: | (02) 9832 0000 |
| Fax: | (02) 9677 0566 |
| Emergency phone: | Poison Information Center: 13 11 26 |

SECTION 2- HAZARDS IDENTIFICATION

Health Hazard Classification

This product is classified as hazardous under SafeWork Australia criteria.

Hazard Category

F: Flammable; Xn: Harmful; Xi: Irritant

Risk Phrases

R11: Highly Flammable
R20/21/22/48: Harmful by inhalation, in contact with skin or swallowed
R36/37/38: Irritating to eyes, respiratory system and skin
R51/52: Toxic and harmful to aquatic organisms.
R53: May cause long-term adverse effects in the aquatic environment
R63: Possible risk of harm to the unborn child.
R65: Harmful: may cause lung damage if swallowed.
R67: Vapors may cause drowsiness and dizziness.

Safety Phrases

S16: Keep away from sources of ignition
S23: Do no breather vapor/mist/aerosol
S24: Avoid contact with skin.
S57: Use appropriate container to avoid environmental contamination.
S61: Avoid release to the environment. Refer to special instructions/Safety data sheets.
S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

SECTION 3- COMPOSITION/ INFORMATION ON INGREDIENTS

| Chemical Entity | CAS No. | Proportion (%w/w) |
|--|----------------|--------------------------|
| Solvent Naphtha (Petroleum), Light Aromatic | 64742-95-6 | 30-60 % |
| Cobalt Octoate | 13586-82-8 | <1 % |
| Zirconium Octoate | 22464-99-9 | <1 % |
| Ingredients determined to be non-hazardous Or below the hazardous threshold | | TO 100% |

SECTION 4- FIRST AID MEASURES**Ingestion**

If swallowed, do not induce vomiting. Give 250 ml water to rinse out mouth and drink. Seek immediate medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Eye contact

Immediately flush eyes with large amount of water for at least 15 minutes. Rest eyes for 30 minutes. If redness, burning, blurred vision, or swelling persist, transport to the nearest medical facility for additional treatment.

Skin contact

Flush thoroughly with soap and water. Immediately remove contaminated clothing including footwear. Seek medical attention in event of persisting skin irritations.

Inhalation

Remove victim from exposure to fresh air. Keep at rest. If breathing is difficult, administer artificial respiration. Seek immediate medical attention.

First aid facilities

Provide eye baths and safety showers.

Medical attention

Treat symptomatically.

SECTION 5- FIRE FIGHTING MEASURES**Suitable extinguishing equipment**

Foam, Dry Powder, CO₂, Water Fog. Do not use water except as fog to cool nearby containers. Do not use water in a jet.

Hazards arising from combustion of product

Oxides of Carbon.

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Special protective equipment and precautions for fire fighters

Wear breathing apparatus when fighting fire.

Hazchem Code: 3[Y]E

SECTION 6- ACCIDENTAL RELEASE MEASURES**Minor spill**

Extinguish naked flames. And avoid sparks. Absorb with sand, sawdust or earth. Collect in drums, and arrange for disposal by a competent contractor, in accordance with local regulations.

Major spill

Extinguish naked flames and avoid sparks. Wear appropriate protective clothing and equipment. Evacuate surrounding personal. Dike area of spill, and transfer to empty drums. Residue to be absorbed with sand, sawdust or earth, and placed in drums. Arrange disposal by competent contractor, in accordance with local regulations.

SECTION 7- HANDLING AND STORAGE**Precaution for safe handling**

This product is highly flammable. Avoid sources of heat, naked flames and sparks. Avoid contact with skin, eyes, and clothing. Use in well-ventilated area. Use flame proof equipment. No smoking. Earth all containers to reduce the possibility of sparks from static electricity.

Conditions for safe storage

Store in a cool, well-ventilated area and place away from heat, sunlight, naked flames and sparks. Store away from oxidizing agents, alkaline materials and strong acids. Keep container closed at all times. Keep away from food, and drink and clothing.

SECTION 8- EXPOSURE CONTROLS/PERSONAL PROTECTION

| Chemical Entity | Cas No | Weight% | TWA ¹ (ppm) | STEL ² (ppm) |
|--|------------|---------|------------------------|-------------------------|
| Solvent Naphtha (Petroleum), Light Aromatic | 64742-95-6 | 30-60 % | 50 | 150 |

¹ Time weighted average concentration

² Short-term exposure limit

Engineering controls

General mechanical ventilation or local exhaust should be suitable to keep vapour concentrations below TWA. Ventilation equipment should be explosion proof.

Personal protective equipment

Wear chemical safety glasses/goggles or face shield. Wear half face respirator, with organic vapor cartridge. Wear PVC or Nitrile chemical handling gloves.

SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

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| Property | Unit of measurement | Typical value |
|----------------------|---------------------|-----------------------|
| Appearance | - | Clear/coloured Liquid |
| Odour | - | Solvent Odour |
| Vapor Pressue @ 25°C | kPa | N/A |
| Boiling Point | °C | 125 |
| Flash Point | °C | -3 |
| Density @ 25°C | g/ml | 0.84-0.85 |
| Flammability Limits | %(v/v) | N/A |
| Volatile content | %(w/w) | <60 |

SECTION 10- STABILITY AND REACTIVITY

Chemical stability

Stable at room temperature and pressure.

Conditions to avoid

Source of heat and ignition, open flames.

Incompatible materials

Strong oxidising agents.

Hazardous decomposition products

Carbon oxides and other organic complexes on incomplete burning or oxidation.

Hazardous reactions

Oxidizing agents, mineral acids, halogenated organic compounds and peroxides.

SECTION 11- TOXICOLOGICAL INFORMATION

Acute effects

Ingestion

Slightly toxic. Main hazard of ingestion is aspiration of swallowed liquid into lungs, causing chemical pneumonitis.

Eye Contact

Irritating, causing redness and burning sensation.

Skin Contact

Irritating, causing redness and burning sensation.

Inhalation

Harmful by inhalation. The vapour is irritating to the upper respiratory tract. May cause nausea, dizziness and narcosis. Extreme exposure may result in unconsciousness, and possibly death.

Chronic effects

Prolonged and repeated contact with the skin may irritate, and cause dermatitis. Prolonged overexposure to the solvents (inhalation and skin contact) may cause effects to the central nervous system, liver, urinary, blood forming, cardiovascular and reproductive systems.

Toxicology information

No LD data available for this product.

SECTION 12- ECOLOGICAL INFORMATION

Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

SECTION 13- DISPOSAL CONSIDERATIONS

Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Advise flammable nature. Product is normally suitable for incineration by an approved agent.

SECTION 14- TRANSPORT INFORMATION

For local transportation within New Zealand refer NZS 5433:1999: For Australia refers ADG code.

| | |
|----------------------|----------------|
| UN No. | 1263 |
| Proper Shipping Name | Paint |
| DG Class | 3 |
| Subsidiary Risk | Not Applicable |
| Packing Group | II |
| Hazchem Code | 3[Y] E |

SECTION 15-REGULATORY INFORMATION

HMIS Code: 230H

SECTION 16- OTHER INFORMATION

Contact Apco Coatings
Person/Point Technical Manager
Ph 02 98 32 0000 Mob 0422237710

Other Information Principal toxic properties of this product are due to the solvent composition and vapour inhalation hazards.
Abbreviations: N/A - Not Applicable N/AV - Not Available

Abbreviations:

ADG: Australian Code for the Transport of Dangerous Goods by Road and Rail
CAS Number: Chemical Abstracts Number

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