

Canusa-CPS HBE Armor Base

SECTION 1. IDENTIFICATION

| | |
|----------------------------|---|
| Product Identifier | Canusa-CPS HBE Armor Base |
| Recommended Use | Corrosion and mechanical protection. |
| Manufacturer | CANUSA-CPS, A DIVISION OF SHAWCOR LTD., 25 BETHRIDGE ROAD, TORONTO, ON, M9W 1M7, (416) 743-7111 |
| Emergency Phone No. | Canusa, (613) 996-6666 (CANUTEC) |

SECTION 2. HAZARD IDENTIFICATION

Classification

Skin irritation - Category 2; Eye irritation - Category 2B

Label Elements**Warning**

May cause irritation to eyes.

May cause irritation to skin.

May cause irritation to respiratory system.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wear protective gloves.

IF SWALLOWED: Immediately call a POISON CENTRE or doctor.

IF ON SKIN: Wash with plenty of water.

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/attention.

Other Hazards

Contains quartz (crystalline silica), which is classified as a carcinogen to humans.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

| Chemical Name | CAS No. | % | Other Identifiers |
|---|------------|-------|-------------------|
| Silica, quartz | 14808-60-7 | 15-40 | |
| Diglycidyl ether of bisphenol A-based epoxy resins, low molecular weight solids | 25068-38-6 | 15-40 | |
| Poly[oxy(methyl-1,2-ethanediyl)], alpha-(oxiranylmethyl)- omega -(oxiranylmethoxy)- | 26142-30-3 | 3-7 | |
| Siloxanes and Silicones, di-Me, reaction products with silica | 67762-90-7 | 1-5 | |

SECTION 4. FIRST-AID MEASURES

Product Identifier: Canusa-CPS HBE Armor Base

Date of Preparation: February 13, 2015

Page 01 of 04

First-aid Measures

Inhalation

Move to fresh air. Get medical advice or attention if you feel unwell or are concerned.

Skin Contact

Immediately wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 15-20 minutes. Remove contaminated clothing. Get medical advice or attention if you feel unwell or are concerned.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice or attention.

Ingestion

Do not induce vomiting. Call Poison Centre or doctor.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Water spray; dry chemical; carbon dioxide.

Specific Hazards Arising from the Product

Irritating vapours may be released during decomposition.

Toxic and irritating gases including; oxides of carbon, organic acids, carboxylic acids, aldehydes, alcohols, acrolein, phosphorous oxides, and sulfur oxides.

Special Protective Equipment and Precautions for Fire-fighters

Use a self-contained breathing apparatus and full protective clothing. Do not use direct stream of water.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Remove all sources of ignition. Wear appropriate personal protective equipment.

Environmental Precautions

Prevent run-off from entering drains or waterways.

Methods and Materials for Containment and Cleaning Up

Soak up spills with inert absorbent material and place in a suitable closed container; dispose of in compliance with applicable legislation.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Wear appropriate PPE.

Conditions for Safe Storage

Cool, dry environment. Separate from incompatible materials (see Section 10: Stability and Reactivity).

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

| Chemical Name | ACGIH TLV® | | OSHA PEL | | AIHA WEEL | |
|---|-----------------|------|-----------------|---------|-----------|-----|
| | TWA | STEL | TWA | Ceiling | 8-hr TWA | TWA |
| Diglycidyl ether of bisphenol A-based epoxy resins, low molecular weight solids | Not established | | Not established | | | |

Appropriate Engineering Controls

General ventilation is usually adequate. Use local exhaust ventilation and enclosure, if necessary, to control amount in

Product Identifier: Canusa-CPS HBE Armor Base

Date of Preparation: February 13, 2015

Page 02 of 04

the air.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles.

Skin Protection

Chemical-resistant gloves.

Respiratory Protection

Wear a NIOSH approved air-purifying respirator with an organic vapour cartridge.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance Dark grey - brown.

Relative Density (water = 1) 1.946

Other Information

Physical State Liquid

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Avoid strong acids and oxidizers.

Chemical Stability

Normally stable.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

| Chemical Name | LC50 | LD50 (oral) | LD50 (dermal) |
|---|------|-------------------------|------------------------|
| Diglycidyl ether of bisphenol A-based epoxy resins, low molecular weight solids | | 11400-13600 mg/kg (rat) | > 23500 mg/kg (rabbit) |

Skin Corrosion/Irritation

May cause irritation.

Serious Eye Damage/Irritation

May cause irritation.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May cause irritation.

Ingestion

Harmful if swallowed.

Carcinogenicity

| Chemical Name | IARC | ACGIH® | NTP | OSHA |
|---|------------|----------------|------------------|------------|
| Siloxanes and Silicones, di-Me, reaction products with silica | Not Listed | Not designated | Not Listed | Not Listed |
| Silica, quartz | Group 1 | A2 | Known carcinogen | Not Listed |
| Diglycidyl ether of bisphenol A-based epoxy resins, low molecular weight solids | Group 3 | Not designated | Not Listed | Not Listed |

Product Identifier: Canusa-CPS HBE Armor Base

Date of Preparation: February 13, 2015

Page 03 of 04

Silica is completely encapsulated in the product.

SECTION 12. ECOLOGICAL INFORMATION

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of in compliance with all federal, state, provincial, municipal and local legislation.

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations. Not regulated under IATA Regulations.

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

The regulatory information provided is not intended to be comprehensive. Other local, state, provincial, federal international or country specific regulations may apply to this material.

SECTION 16. OTHER INFORMATION

SDS Prepared By SHAWCOR LTD.

Phone No. (416) 743-7111

Date of Preparation February 13, 2015

Date of Last Revision June 22, 2016

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