

## Canusa-CPS HBE-95 SFT Cure

## SECTION 1. IDENTIFICATION

<b>Product Identifier</b>	Canusa-CPS HBE-95 SFT Cure
<b>Recommended Use</b>	Corrosion and mechanical protection.
<b>Manufacturer</b>	CANUSA-CPS, A DIVISION OF SHAWCOR LTD., 25 BETHRIDGE ROAD, TORONTO, ON, M9W 1M7, (416) 743-7111
<b>Emergency Phone No.</b>	Canusa, (613) 996-6666 (CANUTEC)

## SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).

**Classification**

Acute toxicity (Oral) - Category 4; Acute toxicity (Inhalation) - Category 4; Skin irritation - Category 2; Serious eye damage - Category 1; Reproductive toxicity - Category 2; Aquatic hazard (Chronic) - Category 2

**Label Elements**

Danger

Harmful if swallowed, in contact with skin or if inhaled.

Causes serious eye damage.

May damage the unborn child.

Toxic to aquatic life with long lasting effects.

Do not handle until all safety precautions have been read and understood.

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

Wash hands thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Avoid release to the environment.

Wear protective gloves/protective clothing/eye protection/face protection.

Take off contaminated clothing and wash it before reuse.

IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.

IF ON SKIN: Wash with plenty of water.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

IF exposed or concerned: Get medical advice/attention.

Dispose of contents and container in accordance with local, regional, national and international regulations.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
AMINOETHYLPIPERAZINE	140-31-8	10-30	
PHENOL 4,4'- (1-METHYLETHYLIDENE)BIS-	80-05-7	5-20	

Product Identifier: Canusa-CPS HBE-95 SFT Cure

Date of Preparation: November 03, 2014

Page 01 of 05

4-Nonylphenol, branched (mixed isomers)	84852-15-3	5-20	
Benzyl alcohol	100-51-6	1-20	
1,2-DIAMINOCYCLOHEXANE	694-83-7	1-10	
Salicylic acid	69-72-7	0.1-1	

## SECTION 4. FIRST-AID MEASURES

### First-aid Measures

#### Inhalation

Move to fresh air. If symptoms persist seek medical attention.

#### Skin Contact

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Immediately wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 15-20 minutes.

#### Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Get medical attention.

#### Ingestion

Do not induce vomiting. Immediately call a Poison Centre or doctor.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

#### Suitable Extinguishing Media

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

### Specific Hazards Arising from the Product

Oxides of carbon and nitrogen; carboxylic acids; aldehydes.

### Special Protective Equipment and Precautions for Fire-fighters

Do not use direct stream of water.

Self-contained breathing apparatus and full protective clothing.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

Eliminate all ignition sources if safe to do so. Use the personal protective equipment recommended in Section 8 of this safety data sheet.

### Environmental Precautions

Do not allow into any sewer, on the ground or into any waterway.

### Methods and Materials for Containment and Cleaning Up

Contain and soak up spill with absorbent that does not react with spilled product. Dispose of in compliance with applicable legislation.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Wear appropriate PPE.

### Conditions for Safe Storage

Store in an area that is: cool, dry. Adequate general ventilation is recommended; local ventilation if in a confined or restricted area.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Product Identifier: Canusa-CPS HBE-95 SFT Cure

Date of Preparation: November 03, 2014

Page 02 of 05

## Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
PHENOL 4,4'- (1-METHYLETHYLIDENE)BIS-	Not established		Not established			
Benzyl alcohol	Not established		Not established		10 ppm	

### Appropriate Engineering Controls

General ventilation is usually adequate. Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air.

### Individual Protection Measures

#### Eye/Face Protection

Wear chemical safety goggles. Wear chemical safety goggles and face shield when contact is possible.

#### Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

Suitable materials are: butyl rubber, Viton®, neoprene rubber. The following materials should NOT be used: natural rubber, nitrile rubber.

#### 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	Green.
Odour	Ammonia-like
Relative Density (water = 1)	1.0
Other Information	
Physical State	Liquid

## SECTION 10. STABILITY AND REACTIVITY

### Possibility of Hazardous Reactions

Hazardous polymerizations will not occur.

### Incompatible Materials

Avoid strong acids and oxidizers.

### Hazardous Decomposition Products

Oxides of carbon and nitrogen. Carboxylic acids. Aldehydes.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure

Inhalation; skin contact; eye contact; ingestion.

### Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
AMINOETHYLPIPERAZINE		2140 mg/kg (rat)	880 mg/kg (rabbit)
PHENOL 4,4'- (1-METHYLETHYLIDENE) BIS-		3300 mg/kg (female rat)	3600 mg/kg (rabbit)
Benzyl alcohol	> 4168-5400 mg/m <sup>3</sup> (rat) (4-hour exposure) (aerosol)	1230-1580 mg/kg (rat)	< 5250 mg/kg (guinea pig)

Product Identifier: Canusa-CPS HBE-95 SFT Cure

Date of Preparation: November 03, 2014

Page 03 of 05

4-Nonylphenol, branched (mixed isomers)		1300 mg/kg (rat)	
Salicylic acid		480 mg/kg (mouse)	2000 mg/kg (rat)

**Serious Eye Damage/Irritation**

May cause irritation and burns.

**STOT (Specific Target Organ Toxicity) - Single Exposure**

**Inhalation**

May cause irritation. May damage contacted tissue and produce scarring.

**Skin Absorption**

May cause irritation. May cause burns. May cause allergic reaction.

**Ingestion**

Harmful if swallowed.

**Respiratory and/or Skin Sensitization**

Sensitization may occur following exposure to the liquid or vapour.

**Carcinogenicity**

Chemical Name	IARC	ACGIH®	NTP	OSHA
AMINOETHYLPIPERAZINE	Not Listed	Not designated	Not Listed	Not Listed
PHENOL 4,4'-(1-METHYLETHYLIDENE) BIS-	Not Listed	Not Listed	Not Listed	Not Listed
Benzyl alcohol	Not Listed	Not Listed	Not Listed	
4-Nonylphenol, branched (mixed isomers)	Not Listed	Not designated	Not Listed	Not Listed
Salicylic acid	Not Listed	Not designated	Not Listed	Not Listed

**Reproductive Toxicity**

**Sexual Function and Fertility**

May cause effects on sexual function and/or fertility.

**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

May be toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

**Acute Aquatic Toxicity**

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
AMINOETHYLPIPERAZINE	2190 mg/L (Pimephales promelas (fathead minnow); 96-hour; flow-through)			
PHENOL 4,4'-(1-METHYLETHYLIDENE) BIS-	4.6 mg/L (Pimephales promelas (fathead minnow); 48-hour; fresh water; flow-through)	2.7 mg/L (Selenastrum capricornutum (algae); 96-hour)		
Benzyl alcohol	770 mg/L (Pimephales promelas (fathead minnow); 48-hour;	mg/L (Daphnia magna (water flea); 48-hour)		

	fresh water; static)		
Salicylic acid		870 mg/L (Daphnia magna (water flea); 48-hour; fresh water; static)	

### SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal Methods

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

### SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	2735	Amines, Liquid, Corrosive, N.O.S	Class 8	III

**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

**NFPA Rating** Health - 2 Flammability - 2 Instability - 0  
**Based on** AMINOETHYLPIPERAZINE

**SDS Prepared By** SHAWCOR LTD.

**Phone No.** (416) 743-7111

**Date of Preparation** November 03, 2014

**Date of Last Revision** July 21, 2016

**Disclaimer** This information is accurate and reliable to the best of our knowledge. It is furnished without warranty, expressed or implied. Canusa-CPS, a division of Shawcor Ltd., assumes no legal responsibility for the use of, or reliance upon, this data for hazards which might be associated with the use of these materials, or for results obtained. It is the responsibility of the user to comply with all applicable laws and regulations. This MSDS was created in compliance with applicable hazardous material regulations, and is not intended to be used for any other purpose.