

Canusa-CPS HS-60 & FS-45 Sealants

SECTION 1. IDENTIFICATION

Product Identifier	Canusa-CPS HS-60 & FS-45 Sealants
Other Means of Identification	HS-60 Sealant, FS-45 Sealant
Product Family	Adhesives
Recommended Use	Pipeline sealant.
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 3

Label Elements

Warning

May cause eye and skin irritation.

Wash hands and skin thoroughly after handling.

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

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 or attention.

If skin irritation persists: Get medical advice or attention.

Other Hazards

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

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
Asphalt (Bitumen) fume	8052-42-4	60-90	
Calcium carbonate	1317-65-3	10-30	
Hydrotreated, heavy naphthenic distillate	64742-52-5	0-5	
Silica, quartz	14808-60-7	0.1-1	

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Remove source of exposure or move to fresh air. Get medical advice or attention if you feel unwell or are concerned.

Skin Contact

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. Get medical advice or attention if you feel unwell or are

concerned.

Eye Contact

Quickly and gently blot or brush chemical off the face. 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

Rinse mouth with water. Get medical advice or attention if you feel unwell or are concerned.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Small fires: Carbon dioxide or dry chemical powder. Large fires: Water spray or foam.

Specific Hazards Arising from the Product

Can ignite if strongly heated. Irritating and harmful vapours may be released during decomposition.

In a fire, the following hazardous materials may be generated: very toxic carbon monoxide, carbon dioxide; very toxic, flammable formaldehyde; toxic, flammable aldehydes; corrosive acids.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Wear appropriate personal protective equipment.

Environmental Precautions

It is good practice to prevent releases into the environment.

Methods and Materials for Containment and Cleaning Up

Shovel into clean, dry, labelled containers and cover.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Do not get in eyes, on skin or on clothing. Wear personal protective equipment to avoid direct contact with this chemical.

Conditions for Safe Storage

Cool, dry environment.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Asphalt (Bitumen) fume	0.5 mg/m ³		Not established			

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

Not required but it is good practice to wear safety glasses or chemical safety goggles.

Skin Protection

Chemical-resistant gloves.

Natural rubber, butyl rubber, neoprene rubber, nitrile rubber.

Respiratory Protection

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Not normally required if product is used as directed. For non-routine or emergency situations: wear a NIOSH approved air-purifying respirator with an organic vapour cartridge.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Black.
Initial Boiling Point/Range	425 °C
Flash Point	230 °C
Relative Density (water = 1)	1.15
Auto-ignition Temperature	480 °C
Decomposition Temperature	200 °C

Other Information

Other Physical Property 1	Semi-solid
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SECTION 10. STABILITY AND REACTIVITY

Chemical Stability

Normally stable.

Conditions to Avoid

High temperatures.

Incompatible Materials

Oxidizing agents (e.g. peroxides), strong oxidizing agents (e.g. perchloric acid).

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Hydrotreated, heavy naphthenic distillate		> 5000 mg/kg (rat)	> 2000 mg/kg (rabbit)
Calcium carbonate		6450 mg/kg (rat)	
Asphalt (Bitumen) fume	> 94.4 mg/m ³ (rat) (4-hour exposure)	> 5000 mg/kg (rat)	> 2000 mg/kg (rabbit)

Skin Corrosion/Irritation

Animal tests show very mild irritation. (Hydrotreated, heavy naphthenic distillate)

Serious Eye Damage/Irritation

Animal tests show very mild irritation. (Hydrotreated, heavy naphthenic distillate)

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

Vapours or fumes may cause irritation.

Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Hydrotreated, heavy naphthenic distillate	Group 3	A4	Known carcinogen	Not Listed
Calcium carbonate	Not Listed	Not designated	Not Listed	Not Listed
Asphalt (Bitumen) fume	Group 2B	A4	Not Listed	Not Listed
Silica, quartz	Group 1	A2	Known carcinogen	Not Listed

(Silica, quartz) Essentially non-toxic following short-term exposure. VERY TOXIC following long-term exposure, if

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inhaled. Known to cause lung damage (silicosis). CANCER HAZARD - can cause cancer (lung cancer). However, it is bound in the product and not normally respirable.

(Hydrotreated, heavy naphthenic distillate) NTP lists this ingredient as a known human carcinogen, but none of the other bodies considers it to be carcinogenic.

Key to Abbreviations

IARC = International Agency for Research on Cancer. Group 1 = Carcinogenic to humans. Group 2A = Probably carcinogenic to humans. Group 2B = Possibly carcinogenic to humans. Group 3 = Not classifiable as to its carcinogenicity to humans. Group 4 = Probably not carcinogenic to humans. ACGIH® = American Conference of Governmental Industrial Hygienists. A1 = Confirmed human carcinogen. A2 = Suspected human carcinogen. A3 = Animal carcinogen. A4 = Not classifiable as a human carcinogen. NTP = National Toxicology Program. Known carcinogen = Known human carcinogen. Reasonably anticipated = Reasonably anticipated human carcinogen. OSHA = US Occupational Safety and Health Administration.

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

NFPA Rating **Health - 0** **Flammability - 1** **Instability - 0**
Based on Asphalt (Bitumen) fume

SDS Prepared By SHAWCOR LTD.

Phone No. (416) 743-7111

Date of Preparation January 06, 2017

Date of Last Revision January 06, 2017

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