

PRODUCT: HBE-95-BG Base

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## **SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

MANUFACTURER: CANUSA-CPS, A DIVISION OF SHAWCOR LTD.

ADDRESS: 25 BETHRIDGE ROAD CITY, PROVINCE/STATE: TORONTO, ONTARIO

POSTAL CODE: M9W 1M7

EMERGENCY PHONE NUMBER: (613) 996-6666 (CANUTEC)

**INFORMATION NUMBER:** (416) 743-7111

PRODUCT IDENTITY HBE-95-BG BASE

(AS USED ON LABEL AND LIST):

**PRODUCT USE:** COATING FOR PIPELINES

PRODUCT I.D. NUMBER (PIN): N/A

#### **SECTION 2 - HAZARDS IDENTIFICATION**

### **ADVERSE HEALTH EFFECTS:**

ADVERSE EYE, SKIN AND RESPIRATORY EFFECTS. SENSITIZATION MAY OCCUR WITH PROLONGED SKIN CONTACT.

### **ENVIRONMENTAL EFFECTS:**

**NOT AVAILABLE** 

# PHYSICAL AND CHEMICAL HAZARDS:

MAY CAUSE THE RELEASE OF TOXIC, IRRITATING AND FLAMMABLE PRODUCTS, OXIDES OF NITROGEN, CARBON, CARBOXYLIC ACIDS, AND ALDEHYDES.

## **SPECIFIC HAZARDS:**

**NOT AVAILABLE** 

### **CARCINOGENICITY INFORMATION:**

**NOT AVAILABLE** 

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### **SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS**

INGREDIENT	CAS#	<u>%</u>	HAZARD SYMBOLS	<u>RISK</u> PHRASES
EPOXY PHENOL NOVOLAC	28064-14-4	15-40	Xi, N	R22, R36. R38. R43, R51, R53
QUARTZ (CRYSTALLINE SILICA)	14808-60-7	15-40	-	-
NEOPENTYL GLYCOL DIGLYCIDYL ETHER	17557-23-2	5-10	Xi	R38, R43
FORMALDEHYDE POLYMER WITH TOLUENE	25155-81-1	5-10	-	-
MICA	12001-26-2	1-5	-	-
HYDROPHOBIC SILICA	67762-90-7	1-5	-	-
TITANIUM DIOXIDE	13463-67-7	1-5	-	-
CARBON BLACK	1333-86-4	0.1-1	-	-

# **SECTION 4 - FIRST-AID MEASURES**

# **EYE CONTACT:**

FLUSH WITH WATER FOR 15 MINUTES. SEEK MEDICAL ATTENTION.

# SKIN CONTACT:

WASH WITH SOAP AND WATER FOR 15 MINUTES; REMOVE CLOTHING. SEEK MEDICAL ATTENTION.

### INHALATION:

REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED, A TRAINED FIRST AIDER SHOULD PERFORM ARTIFICIAL RESPIRATION. SEEK MEDICAL ATTENTION.

#### INGESTION

SEEK IMMEDIATE MEDICAL ATTENTION. DO NOT INDUCE VOMITTING

# NOTE TO PHYSICIAN:

**NOT AVAILABLE** 

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#### **SECTION 5 - FIREFIGHTING MEASURES**

#### **SUITABLE EXTINGUISHING MEDIA:**

WATER SPRAY, DRY CHEMICAL, CARBON DIOXIDE, HAZCHEM CODE: 2X

#### **FIRE-FIGHTING HAZARDS:**

**NOT AVAILABLE** 

## FIRE-FIGHTING PERSONAL PROTECTIVE EQUIPMENT:

USE SELF CONTAINED BREATHING APPARATUS DURING FIREFIGHTING

## **FIRE-FIGHTING PROCEDURES:**

**NOT AVAILABLE** 

### THERMAL DECOMPOSITION BY-PRODUCTS:

OXIDES OF NITROGEN & CARBON, ALDEHYDES AND ACIDS

# **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

### **PERSONAL PRECAUTIONS:**

REMOVE ALL SOURCES OF IGNITION. WEAR APPROPRIATE SAFETY EQUIPMENT.

### **ENVIRONMENTAL PRECAUTIONS:**

PREVENT RUN-OFF FROM REACHING STORM OR SEWER DRAINS.

### **METHODS FOR CLEANING UP:**

SOAK UP SPILLS WITH INERT ABSORBENT MATERIALS AND PLACE IN CLOSED CONTAINERS. DISPOSE OF IN COMPLIANCE WITH ALL FEDERAL, STATE, PROVINCIAL AND MUNICIPAL LEGISLATION.

### **SECTION 7 - HANDLING AND STORAGE**

## **HANDLING REQUIREMENTS:**

MAINTAIN GOOD PERSONAL HYGIENE. WASH AFTER USE.

# **STORAGE REQUIREMENTS:**

COOL DRY ENVIRONMENT

### **INCOMPATIBLE MATERIALS:**

STRONG ACIDS, BASES, OXIDIZERS AND AMINES

#### **VENTILATION:**

ADEQUATE GENERAL VENTILATION IS RECOMMENDED

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### **SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

# **ENGINEERING CONTROLS:**

ADEQUATE GENERAL VENTILATION IS RECOMMENDED

## PERSONAL PROTECTIVE EQUIPMENT (PPE):

GLOVES/TYPE: CHEMICAL RESISTANT GLOVES WHEN HANDLING MATERIAL. RESPIRATORY/TYPE: WEAR A NIOSH APPROVED ORGANIC RESPIRATOR DURING

APPLICATION AND HANDLING WHERE VAPOUR/MIST IS ENCOUNTERED IN THE BREATHING ZONE. AFTER

APPLICATION AND DRYING, WEAR A DUST RESPIRATOR FOR

ANY SANDING, GRINDING TYPE ACTIVITIES.

EYE/TYPE: SPLASH PROOF CHEMICAL SAFETY GOGGLES

FOOTWEAR: IMPERVIOUS BOOTS

CLOTHING: CHEMICAL RESISTANT APRON. COVER EXPOSED SKIN.

#### **INGREDIENT EXPOSURE DATA:**

<u>INGREDIENT</u>	CAS#	LD <sub>50</sub> (species and route)	LC <sub>50 (species</sub>	OSHA (PEL) TWA	ACGIH (TLV) TWA
EPOXY PHENOL NOVOLAC	28064-14-4	2000 mg/kg RAT, ORAL	-	-	-
QUARTZ (CRYSTALLINE SILICA)	14808-60-7	-	-	10 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup>
NEOPENTYL GLYCOL DIGLYCIDYL ETHER	17557-23-2	2150 mg/kg RABBIT, SKIN	-	-	-
FORMALDEHYDE POLYMER WITH TOLUENE	25155-81-1	-	-	-	-
MICA	12001-26-2	-	-	20 mppcf	3 mg/m <sup>3</sup>
HYDROPHOBIC SILICA	67762-90-7	1000 mg/kg RAT, ORAL	-	-	-
TITANIUM DIOXIDE	13463-67-7	-	-	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
CARBON BLACK	1333-86-4	8000 mg/kg RAT, ORAL	-	3.5 mg/m <sup>3</sup>	3.5 mg/m <sup>3</sup>

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#### **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL DATA:** 

PHYSICAL STATE: LIQUID

FORM: VISCOUS LIQUID

COLOUR: GREY

**FAINT OILY ODOUR** ODOUR: ODOUR THRESHOLD (PPM): **NOT AVAILABLE BOILING POINT:** >300°C (>572 F) FREEZING POINT: < -5°C (< 23 F) **MELTING POINT:** < -5°C (< 23 F) **EVAPORATION RATE: NEGLIGIBLE** VAPOUR PRESSURE (mmHg): **NEGLIGIBLE** VAPOUR DENSITY (AIR = 1): **NOT AVAILABLE** pH: **NOT AVAILABLE** 

SPECIFIC GRAVITY (WATER = 1): 1.485

COEFFICIENT OF WATER/OIL DISTRIBUTION: NOT AVAILABLE

SOLUBILITY IN WATER: SLIGHT

#### **SECTION 10 - STABILITY AND REACTIVITY**

### **CONDITIONS TO AVOID:**

**ELEVATED TEMPERATURES** 

### **MATERIALS TO AVOID:**

STRONG ACIDS, BASES, OXIDIZERS AND AMINES

# STABILITY AND REACTIVITY DATA:

STABILITY: UNSTABLE: STABLE: X
HAZARDOUS POLYMERIZATION: WILL OCCUR: WILL NOT OCCUR: X

#### **FLAMMABILITY DATA:**

DECOMPOSITION TEMPERATURE: NOT AVAILABLE FLASHPOINT: > 93.3°C (> 212 F) AUTOIGNITION TEMPERATURE: NOT AVAILABLE

### **HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS:**

OXIDES OF NITROGEN & CARBON, ALDEHYDES AND ACIDS

## **EXPLOSION DATA:**

STATIC DISCHARGE: NOT AVAILABLE MECHANICAL IMPACT: NOT AVAILABLE LOWER EXPLOSIVE LIMIT, LEL (%): NOT AVAILABLE UPPER EXPLOSIVE LIMIT, UEL (%): NOT AVAILABLE

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#### **SECTION 11 - TOXICOLOGY INFORMATION**

#### **EFFECTS FROM EYE CONTACT:**

CAUSES EYE IRRITATION.

#### **EFFECTS FROM SKIN CONTACT:**

MAY CAUSE SKIN BURNS OR ALLERGIC SKIN REACTIONS.

### **EFFECTS FROM INHALATION:**

MAY CAUSE NOSE, THROAT, AND LUNG IRRITATION. PROLONGED EXPOSURE MAY CAUSE LUNG DAMAGE

#### **EFFECTS FROM INGESTION:**

HARMFUL IF SWALLOWED.

### **TOXICOLOGICAL DATA:**

EFFECTS OF ACUTE EXPOSURE: SEE ABOVE

EFFECTS OF CHRONIC EXPOSURE: MAY CAUSE LUNG AN SKIN SENSITIZATION

AND DERMATITIS. REPEATED INHALATION OF CONCENTRATED FREE SILICA DUST MAY CAUSE DELAYED LUNG INJURY (SILICOSIS).

IRRITANCY OF MATERIAL: SEE ACUTE EFFECTS

SENSITIZING CAPABILITY: YES

CARCINOGENICITY OF MATERIAL: FREE OR RESPIRABLE SILICA DUST IS A

PROBABLE HUMAN CARCINOGEN BY IARC

REPRODUCTIVE TOXICITY:
TERATOGENICITY:
MUTAGENICITY:
NOT AVAILABLE
NOT AVAILABLE
SYNERGISTIC MATERIALS:
NOT AVAILABLE

### **SECTION 12 - ECOLOGICAL INFORMATION**

## **ECOTOXICITY DATA:**

TOXIC TO AQUATIC ORGANISMS

# PERSISTENCE AND DEGRADABILITY:

MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT

## **MOBILITY:**

**NOT AVAILABLE** 

## OTHER EFFECTS AND INFORMATION:

NOT AVAILABLE

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#### **SECTION 13 - DISPOSAL CONSIDERATIONS**

#### **PRODUCT AS SOLD:**

DISPOSE OF IN COMPLIANCE WITH ALL FEDERAL, STATE, PROVINCIAL AND MUNICIPAL LEGISLATION.

#### PRODUCT PACKAGING:

DISPOSE OF IN COMPLIANCE WITH ALL FEDERAL, STATE, PROVINCIAL AND MUNICIPAL LEGISLATION.

## **SPECIAL INSTRUCTIONS:**

**NOT AVAILABLE** 

### **SECTION 14 - TRANSPORT INFORMATION**

### SHIPPING INFORMATION:

SHIPPING NAME: HBE-95-BG BASE

PIN/UN NUMBER: NOT REGULATED AS A HAZARDOUS MATERIAL PACKING GROUP: NOT REGULATED AS A HAZARDOUS MATERIAL TDG REGULATED: NOT REGULATED AS A HAZARDOUS MATERIAL NOT REGULATED AS A HAZARDOUS MATERIAL IATA REGULATED: NOT REGULATED AS A HAZARDOUS MATERIAL IMDG REGULATED: NOT REGULATED AS A HAZARDOUS MATERIAL NOT REGULATED AS A HAZARDOUS MATERIAL

HAZCHEM NUMBER: 2X

### **SPECIAL SHIPPING INSTRUCTIONS:**

**NONE** 

## **SECTION 15 - REGULATORY INFORMATION**

## NOTE:

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.

THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CONTROLLED PRODUCTS REGULATIONS (CPR) AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.

THIS PRODUCT HAS BEEN REVIEWED AGAINST FOR NICNAS STATUS AND ALL INGREDIENTS ARE LISTED ON THE AICS.

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# **GENERAL MATERIAL INFORMATION:**

WHMIS CLASSIFICATION:

D2A -

**EUROPEAN CLASSIFICATION** 

**X**<sub>n</sub>

Dengerous for the environment

RISK PHRASES R22, R36, R38, R43, R51, R53

SAFETY PHRASES S24, S25, S37

# **COMPONENT ANALYSIS – LIST STATUS:**

INGREDIENT	CAS#	CANADA WHMIS IDL	US CERCLA PRIORITY LIST
EPOXY PHENOL NOVOLAC	28064-14-4	YES	NO
QUARTZ (CRYSTALLINE SILICA)	14808-60-7	YES	NO
NEOPENTYL GLYCOL DIGLYCIDYL ETHER	17557-23-2	NO	NO
FORMALDEHYDE POLYMER WITH TOLUENE	25155-81-1	NO	NO
MICA	12001-26-2	YES	NO
HYDROPHOBIC SILICA	67762-90-7	NO	NO
TITANIUM DIOXIDE	13463-67-7	NO	NO
CARBON BLACK	1333-86-4	YES	NO

# **COMPONENT ANALYSIS - INVENTORY STATUS:**

INGREDIENT	CAS#	CANADA- DSL	<u>US-</u> TSCA	EU- EINECS	AUSTRALIA -AICS
EPOXY PHENOL NOVOLAC	28064-14-4	YES	YES	NO	YES
QUARTZ (CRYSTALLINE SILICA)	14808-60-7	YES	YES	238-878-4	YES
NEOPENTYL GLYCOL DIGLYCIDYL ETHER	17557-23-2	YES	YES	241-536-7	YES
FORMALDEHYDE POLYMER WITH TOLUENE	25155-81-1	YES	YES	NO	YES
MICA	12001-26-2	YES	NO	NO	YES
HYDROPHOBIC SILICA	67762-90-7	YES	YES	NO	YES
TITANIUM DIOXIDE	13463-67-7	YES	YES	236-675-5	YES
CARBON BLACK	1333-86-4	YES	YES	215-609-9	YES

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#### **SECTION 16 - OTHER INFORMATION**

PREPARED BY: SHAWCOR LTD.
TELEPHONE NUMBER: (416) 743-7111
DATE PREPARED: OCTOBER 4<sup>th</sup>, 2012

#### **ADDITIONAL INFORMATION:**

## **HAZARD PHRASES**

Xi: IRRITANT

N: DANGEROUS FOR THE ENVIRONMENT

#### **RISK PHRASES:**

R22: HARMFUL IF SWALLOWED R36: IRRITATING TO EYES R38 IRRITATING TO SKIN

R43 MAY CAUSE SENSITISATION BY SKIN CONTACT

R51: TOXIC TO AQUATIC ORGANISMS

R53: MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT

#### **SAFETY PHRASES:**

S24 AVOID CONTACT WITH SKIN S25: AVOID CONTACT WITH EYES S37 WEAR SUITABLE GLOVES

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