

MATERIAL SAFETY DATA SHEET

Trade Name: CRYSTAL SHEEN "A"

Chemical Family: Epoxy Resin

Formula: Proprietary

Manufacturer: DOW CHEMICAL CANADA
PO Box 3030,
1425 Vidal Street South
Sarnia, Ontario N7T 8C6

Supplier: COAST FIBER-TEK
1306 Boundary Road
Burnaby, BC V5K 4T6
Tel.# (604) 294-8116

Emergency Phone #'s: (519) 339-3711

Transportation EMG. Phone # CANUTEC (613) 996-6666
(604) 930-0650

HAZARDOUS INGREDIENTS:

Propane, 2,2-bis[p-(2,3-epoxypropoxy)phenyl]-, polymers	88%	CAS # 025085-99-8
Alkyl, glycidyl ether: (C12-C14)	12%	CAS # 68609-97-2

Exposure Limits: LD50 skin LD50, Rabbit 20,000mg/kg,
LD50 oral rats > 5000 mg/kg

PHYSICAL DATA:

Appearance & Odour: Clear (light yellow) liquid, medium viscosity, mild odour

Vapour Pressure: 0.06 mm @ 21 °C (based on alkyl glycidyl ether)

Vapour Density: N/A

Solubility in Water: Insoluble <= 1% @ 25 °C

Specific Gravity: 1.11 - 1.14

Boiling Point: =>148 °C

FIRE & EXPLOSION DATA:

Flashpoint & Method: 176.7 - 190.6°C, PMCC ASTM D-93

Flammable Limits: N/A

Extinguishing Methods: CO₂, dry chemical, foam(alcohol resistant foams are preferred)

Special Equipment & Procedures: Self-contained breathing apparatus & complete protective clothing should be worn fighting chemical fires. Water fog applied gently may be used as a blanket to extinguish fire. Move container from fire area if this is possible without hazard.

REACTIVITY DATA:

Conditions Contributing to Instability: Excessive heat. Thermally stable at typical use temperatures.

Incompatible Substances: Bases, acids, amines & oxidizing materials

Hazardous Decomposition Products: CO, CO₂

Hazardous Polymerization: Will not occur by itself.

HEALTH HAZARDS DATA:

NOTE: Health studies have shown that exposure to chemicals pose potential risks which may vary from person to person. Exposure to liquids, vapours, mists or fumes should be minimized.

MATERIAL SAFETY DATA SHEET

Crystal Sheen "A" - Pg 2

PRINCIPAL HEALTH HAZARDS:

- Skin Contact:** May cause an allergic reaction
Eye Contact: May cause slight temporary eye irritation. Corneal injury is unlikely.
Ingestion: Small amounts may cause discomfort, large amounts may be toxic.
Inhalation: Excessive exposure may cause irritation to upper respiratory tract (nose & throat).

FIRST AID PROCEDURES:

- Skin:** Wash off in flowing water.
Eyes: Flush with warm water for 20 minutes, remove contacts after 1 -2 minutes, obtain medical attention.
Ingestion: **INDUCE VOMITING** if large amounts are ingested, get medical attention.
Inhalation: Remove to fresh air if effects occur, consult physician if effects persist.

PREVENTIVE MEASURES:

- Skin:** Always apply appropriate barrier cream to exposed skin. Wear impervious gloves (butyl rubber), coveralls and safety footwear.
Eyes: Chemical proof goggles or full face respirator if vapours cause eye irritation.
Ingestion: Wash thoroughly before consuming food stuffs.
Inhalation: Use only in well ventilated areas or use NIOSH or CAS approved respiratory protection with organic vapour cartridges.

CONTROL MEASURES & PRECAUTIONS

Keep container tightly closed. Do not consume food, drink or tobacco in work area or material storage areas. Use caution and personal cleanliness to avoid skin and eye contact. Avoid breathing vapours of heated materials. Use paper covering absorbent wipes and suitable disposable containers in work area.

SPILL, LEAK & DISPOSAL METHODS

Review fire and explosion hazards and safety precautions before proceeding with clean up. Restrict access to area. Contain spill to prevent liquid from entering sewers or waterways. Recover free liquid and use an absorbent material (i.e. sand, vermiculite) to soak up balance. Place in suitable container for disposal.

DISPOSAL METHOD

Dispose only in a facility permitted to dispose of hazardous waste by Federal, Provincial and Municipal regulations.

SHIPPING INFORMATION

- Shipping Name:** N/A
Hazard Class: Non-regulated
UN/PIN #: N/A
Flashpoint: N/A

WHMIS:

The information contained herein is based on data that we believe to be accurate. No warranty either expressed or implied is made. This information is offered solely for your consideration, interpretation and information.

- Preparation Date:** January 22, 1993
Prepared by: Nigel Poore, 1306 Boundary Road, Burnaby, BC V5K 4T6
Telephone #: (604) 294-8116
Revised Date: January 5, 2016

N/A = Not Available

MATERIAL SAFETY DATA SHEET

Trade Name: CRYSTAL SHEEN "B"

Chemical Family: Clear Epoxy Hardener

Formula: Proprietary

Manufacturer: ENVIRONMENTAL
TECHNOLOGY INC.
300 South Bay Depot Road,
Fields Landing, CA 95537

Supplier: COAST FIBER-TEK

1306 Boundary Road
Burnaby, BC V5K 4T6
Tel.# (604) 294-8116

Emergency Phone #'s:(707) 443-9323

Transportation EMG. Phone # CANUTEC

(613) 996-6666

(604) 930-0650

HAZARDOUS INGREDIENTS:

Nonyl Phenol :	Trade Secret	CAS # 84852-15-3
Aminoethylamine :	Trade Secret	CAS # 111-41-1
Aminopropylmorpholine :	Trade Secret	CAS # 123-00-2
Benzyl Alcohol :	Trade Secret	CAS # 100-51-6

Exposure Limits: N/A

PHYSICAL DATA:

<i>Appearance & Odour:</i>	Clear (light yellow) liquid, medium viscosity, fishy odour
<i>Vapour Pressure:</i>	N/A
<i>Vapour Density:</i>	>1
<i>Solubility in Water:</i>	Slight
<i>Specific Gravity:</i>	0.972
<i>Boiling Point:</i>	>204 °C

FIRE & EXPLOSION DATA:

<i>Flashpoint & Method:</i>	>93°C, PMCC
<i>Flammable Limits:</i>	N/A
<i>Extinguishing Methods:</i>	CO ₂ , dry chemical, foam(alcohol resistant foams are preferred), water spray.
<i>Special Equipment & Procedures:</i>	Self-contained breathing apparatus & complete protective clothing should be worn fighting chemical fires. Water fog applied gently may be used as a blanket to extinguish fire. Move container from fire area if this is possible without hazard.

REACTIVITY DATA:

<i>Conditions Contributing to Instability:</i>	Stable
<i>Incompatible Substances:</i>	Bases, acids, amines & oxidizing materials
<i>Hazardous Decomposition Products:</i>	Burning product will emit toxic oxides of carbon and nitrogen.
<i>Hazardous Polymerization:</i>	Will not occur by itself.

HEALTH HAZARDS DATA:

NOTE: Health studies have shown that exposure to chemicals pose potential risks which may vary from person to person. Exposure to liquids, vapours, mists or fumes should be minimized.

MATERIAL SAFETY DATA SHEET

Crystal Sheen "B" - Pg 2

PRINCIPAL HEALTH HAZARDS:

Skin Contact: May cause an allergic reaction
Eye Contact: May cause slight temporary eye irritation. Corneal injury is unlikely.
Ingestion: Small amounts may cause discomfort, large amounts may be toxic.
Inhalation: Excessive exposure may cause irritation to upper respiratory tract (nose & throat).

FIRST AID PROCEDURES:

Skin: Wash off in flowing water.
Eyes: Flush with warm water for 20 minutes, remove contacts after 1 -2 minutes, obtain medical attention.
Ingestion: **INDUCE VOMITING** if large amounts are ingested, get medical attention.
Inhalation: Remove to fresh air if effects occur, consult physician if effects persist.

PREVENTIVE MEASURES:

Skin: Always apply appropriate barrier cream to exposed skin. Wear impervious gloves (butyl rubber), coveralls and safety footwear.
Eyes: Chemical proof goggles or full face respirator if vapours cause eye irritation.
Ingestion: Wash thoroughly before consuming food stuffs.
Inhalation: Use only in well ventilated areas or use NIOSH or CAS approved respiratory protection with organic vapour cartridges.

CONTROL MEASURES & PRECAUTIONS

Keep container tightly closed. Do not consume food, drink or tobacco in work area or material storage areas. Use caution and personal cleanliness to avoid skin and eye contact. Avoid breathing vapours of heated materials. Use paper covering absorbent wipes and suitable disposable containers in work area.

SPILL, LEAK & DISPOSAL METHODS

Review fire and explosion hazards and safety precautions before proceeding with clean up. Restrict access to area. Contain spill to prevent liquid from entering sewers or waterways. Recover free liquid and use an absorbent material (i.e. sand, vermiculite) to soak up balance. Place in suitable container for disposal.

DISPOSAL METHOD

Dispose only in a facility permitted to dispose of hazardous waste by Federal, Provincial and Municipal regulations.

SHIPPING INFORMATION

Shipping Name: Corrosive liquid, N.O.S.
Hazard Class: 8
UN/PIN #: 1760 III
Flashpoint: >93°C
WHMIS: N/A

The information contained herein is based on data that we believe to be accurate. No warranty either expressed or implied is made. This information is offered solely for your consideration, interpretation and information.

Preparation Date: February 6, 1993
Prepared by: Nigel Poore, 1306 Boundary Road, Burnaby, BC V5K 4T6
Telephone #: (604) 294-8116
Revised Date: January 5, 2016

N/A = Not Available