



Revision Date: 26-Jan-2018

**Revision Number: 2** 

1. PRODUCT AND COMPANY IDENTIFICATION

#### **Product Name**

Product Code Alternate Product Code Product Class Color Recommended use Restrictions on use

## Manufactured For

Benjamin Moore & Co., Limited 8775 Keele Street Concord ON L4K 2N1 Phone: 1-800-361-5898 corotechcoatings.ca

#### **Manufacturer**

Benjamin Moore & Co. 101 Paragon Drive Montvale, NJ 07645 Phone: 1-866-708-9180 corotechcoatings.com

# BENJAMIN MOORE COROTECH 100% SOLIDS EPOXY FLOOR COATING CATALYST

V430-90FR A43090 CATALYST Clear Industrial paint No information available

Emergency Telephone CANUTEC: 613-996-6666

2. HAZARDS IDENTIFICATION

#### **Classification**

This chemical is considered hazardous by the Hazardous Products Regulations (HPR: SOR/2015-17)

Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1
Respiratory sensitization	Category 1
Skin sensitization	Category 1
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 1

## Label elements

# Danger

### Hazard statements

Harmful if swallowed Harmful in contact with skin Harmful if inhaled Causes severe skin burns and eye damage May cause allergy or asthma symptoms or breathing difficulties if inhaled May cause an allergic skin reaction Suspected of damaging fertility or the unborn child May cause respiratory irritation. May cause drowsiness or dizziness Causes damage to organs through prolonged or repeated exposure



Appearance liquid

Odor little or no odor

#### **Precautionary Statements - Prevention**

Obtain special instructions before use Do not handle until all safety precautions have been read and understood Use personal protective equipment as required Wash face, hands and any exposed skin thoroughly after handling Do not eat, drink or smoke when using this product Use only outdoors or in a well-ventilated area Do not breathe dust/fume/gas/mist/vapors/spray In case of inadequate ventilation wear respiratory protection Contaminated work clothing should not be allowed out of the workplace Wear protective gloves

#### **Precautionary Statements - Response**

Immediately call a POISON CENTER or doctor/physician

Eyes

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

Immediately call a POISON CENTER or doctor/physician

#### Skin

Call a POISON CENTER or doctor/physician if you feel unwell

Wash contaminated clothing before reuse

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower If skin irritation or rash occurs: Get medical advice/attention

#### Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing Call a POISON CENTER or doctor/physician if you feel unwell Immediately call a POISON CENTER or doctor/physician

#### Ingestion

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell Rinse mouth Do NOT induce vomiting

# **Precautionary Statements - Storage**

Store locked up Store in a well-ventilated place. Keep container tightly closed

## **Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

#### Other information

No information available

#### Other hazards

**IMPORTANT:** Designed to be mixed with other components. Mixture will have hazards of all components. Before opening packages, read all warning labels. Follow all precautions.

# 3. COMPOSITION INFORMATION ON COMPONENTS

Chemical name	CAS No.	Weight-%
Benzyl alcohol	100-51-6	30 - 60%
Isophoronediamine	2855-13-2	10 - 30%
Amine-Epoxy Resin Adduct	UH0290-00-1	10 - 30%
Nonylphenol	84852-15-3	10 - 30%

4. FIRST AID MEASURES		
General Advice	Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.	
Eye Contact	Immediate medical attention is required. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes.	
Skin Contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician. For severe burns, immediate medical attention is required. Wash clothing before reuse. Destroy contaminated articles such as shoes.	
Inhalation	Move to fresh air. Call a physician or Poison Control Center immediately. Administer oxygen if breathing is difficult. If not breathing, give artificial respiration. Asthmatic symptoms may be immediate or delayed.	

	Extreme asthmatic reactions can be life threatening.	
Ingestion	Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician.	
Protection Of First-Aiders	Use personal protective equipment.	
Most Important Symptoms/Effects	May cause allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled.	
Notes To Physician	Treat symptomatically.	
5. FIRE-FIGHT	ING MEASURES	
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.	
Protective Equipment And Precautions For Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.	
Specific Hazards Arising From The Chemical	Closed containers may rupture if exposed to fire or extreme heat.	
Sensitivity To Mechanical Impact	No	
Sensitivity To Static Discharge	No	
Flash Point Data Flash Point (°F) Flash Point (°C) Flash Point Method	200.0 93.3 PMCC	
Flammability Limits In Air		
Lower Explosion Limit Upper Explosion Limit	Not applicable Not applicable	
NFPA Health: 2 Flammability: 2	Instability: 0 Special: Not Applicable	
<b>NFPA Legend</b> 0 - Not Hazardous 1 - Slightly		

- 1 Slightly 2 Moderate
- 3 High
- 4 Severe

The ratings assigned are only suggested ratings, the contractor/employer has ultimate responsibilities for NFPA ratings where this system is used.

Additional information regarding the NFPA rating system is available from the National Fire Protection Agency (NFPA) at www.nfpa.org.

# 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

**Other Information** 

**Environmental precautions** 

Methods For Clean-Up

Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

Prevent further leakage or spillage if safe to do so.

See Section 12 for additional Ecological Information.

Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

# 7. HANDLING AND STORAGE

Handling

Storage

Avoid contact with skin, eyes and clothing. Avoid breathing vapors, spray mists or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment.

Keep container tightly closed. Keep out of the reach of children.

**Incompatible Materials** 

No information available

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### **Exposure Limits**

No exposure limits have been established for this product.

Legend

Engineering Measures	Ensure adequate ventilation, especially in confined areas.
Personal Protective Equipment	
Eye/Face Protection	Tightly fitting safety goggles If splashes are likely to occur, wear: Face-shield
Skin Protection	Impervious clothing. Impervious gloves.
Respiratory Protection	Use only with adequate ventilation. In operations where exposure limits are exceeded, use a NIOSH approved respirator that has been selected by a technically qualified person for the specific work conditions. When spraying the product or applying in confined areas, wear a NIOSH approved respirator specified for paint spray or organic vapors.
Hygiene Measures	Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash

# 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Odor liquid little or no odor

thoroughly after handling.

**Odor Threshold** Density (lbs/gal) **Specific Gravity** pН Viscosity (cps) Solubility Water solubility **Evaporation Rate** Vapor Pressure Vapor Density Wt. % Solids Vol. % Solids Wt. % Volatiles Vol. % Volatiles VOC Regulatory Limit (g/L) Boiling Point (°F) Boiling Point (°C) Freezing Point (°F) Freezing Point (°C) Flash Point (°F) Flash Point (°C) **Flash Point Method** Flammability (solid, gas) **Upper Explosion Limit** Lower Explosion Limit Autoignition Temperature (°F) Autoignition Temperature (°C) Decomposition Temperature (°F) **Decomposition Temperature (°C)** Partition Coefficient (n-octanol/water)

No information available 8.4 - 8.7 1.00 - 1.04 No information available 90 - 100 90 - 100 0 - 10 0 - 10 <100 399 204 No information available No information available 200.0 93.3 PMCC Not applicable Not applicable Not applicable No information available No information available No information available No information available No information available

# **10. STABILITY AND REACTIVITY**

Reactivity	Not Applicable
Chemical Stability	Stable under normal conditions.
Conditions to avoid	Prevent from freezing.
Incompatible Materials	No materials to be especially mentioned.
Hazardous Decomposition Products	None under normal use.
Possibility of hazardous reactions	None under normal conditions of use.

# 11. TOXICOLOGICAL INFORMATION

#### <u>Product Information</u> Information on likely routes of exposure

## **Principal Routes of Exposure**

Eye contact, skin contact and inhalation.

Acute Toxicity Product Information	No information available
Symptoms related to the physical, chemical and toxic	cological characteristics
Symptoms	No information available
Delayed and immediate effects as well as chronic effects	ects from short and long-term exposure
Eye contact	Severely irritating to eyes May cause burns Risk of serious
Skin contact Inhalation	damage to eyes Causes burns. Harmful in contact with skin. Harmful by inhalation. High vapor / aerosol concentrations are irritating to the eyes, nose, throat and lungs and may cause headaches, dizziness, drowsiness,
	unconsciousness, and other central nervous system effects. Causes respiratory tract irritation. May cause sensitization of susceptible persons.
Ingestion	Harmful if swallowed. Can burn mouth, throat, and stomach.
Sensitization	May cause an allergic skin reaction. Respiratory sensitizer. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Neurological Effects	No information available.
Mutagenic Effects	No information available.
Reproductive Effects	Possible risk of impaired fertility. Possible risk of harm to the unborn child.
Developmental Effects	No information available.
Target organ effects	No information available.
STOT - single exposure	May cause disorder and damage to the. Respiratory system.
STOT - repeated exposure	Causes damage to organs through prolonged or repeated exposure if inhaled. Central nervous system (CNS). Causes damage to organs through prolonged or repeated exposure if swallowed. Liver. Blood. Lungs.
Other adverse effects	No information available.
Aspiration Hazard	No information available.
Numerical measures of toxicity	

Numerical measures of toxicity

# The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	1463 mg/kg
ATEmix (dermal)	1995 mg/kg
ATEmix (inhalation-dust/mist)	3.8 mg/L

## **Component**

Benzyl alcohol LD50 Oral: 1230-1660 mg/kg (Rat) LD50 Dermal: 2,000 mg/kg (Rabbit) LC50 Inhalation (Vapor): > 5,000 mg/m<sup>3</sup> (Rat) Nonylphenol LD50 Oral: 1300 mg/kg (Rat)

## Chronic Toxicity

### Carcinogenicity

The information below indicates whether each agency has listed any ingredient as a carcinogen:.

**12. ECOLOGICAL INFORMATION** 

# **Ecotoxicity Effects**

The environmental impact of this product has not been fully investigated.

## **Product Information**

## Acute Toxicity to Fish

No information available

## Acute Toxicity to Aquatic Invertebrates

No information available

#### **Acute Toxicity to Aquatic Plants**

No information available

#### Persistence / Degradability

No information available.

## **Bioaccumulation / Accumulation**

No information available.

#### **Mobility in Environmental Media**

No information available.

#### Ozone

No information available

## Component

Acute Toxicity to Fish No information available

## Acute Toxicity to Aquatic Invertebrates

No information available

#### Acute Toxicity to Aquatic Plants No information available

# **13. DISPOSAL CONSIDERATIONS**

#### Waste Disposal Method

Should not be released into the environment Dispose of in accordance with federal, state, provincial, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.

# 14. TRANSPORT INFORMATION

TDG Proper Shipping Name Hazard class UN-No. Packing Group	PAINT 8 UN3066 II	
Description ICAO / IATA	UN3066, PAINT, 8, II Not regulated	
IMDG / IMO	Not regulated	

**15. REGULATORY INFORMATION** 

## International Inventories

TSCA: United States	Yes - All components are listed or exempt.
DSL: Canada	Yes - All components are listed or exempt.

# National Pollutant Release Inventory (NPRI)

#### NPRI Parts 1-4

This product contains the following Parts 1-4 NPRI chemicals:

Chemical name	CAS No.	Weight-%	NPRI Parts 1- 4
Benzyl alcohol	100-51-6	30 - 60%	Listed
Nonylphenol	84852-15-3	10 - 30%	Listed

#### NPRI Part 5

This product contains the following NPRI Part 5 Chemicals:

None

#### WHMIS Regulatory Status

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

#### **16. OTHER INFORMATION** HMIS -Health: 2\* Flammability: 2 Reactivity: 0 PPE: -**HMIS Legend** 0 - Minimal Hazard 1 - Slight Hazard 2 - Moderate Hazard 3 - Serious Hazard 4 - Severe Hazard - Chronic Hazard X - Consult your supervisor or S.O.P. for "Special" handling instructions. Note: The PPE rating has intentionally been left blank. Choose appropriate PPE that will protect employees from the hazards the material will present under the actual normal conditions of use.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer, has chosen to provide them. HMIS® ratings are to be used only in conjunction with a fully implemented HMIS® program by workers who have received appropriate HMIS® training. HMIS® is a registered trade and service mark of the NPCA. HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

**WARNING!** If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by logging onto Health Canada @

http://www.hc-sc.gc.ca/ewh-semt/contaminants/lead-plomb/asked\_questions-questions\_posees-eng.php.

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#### **Disclaimer**

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## **END OF SAFETY DATA SHEET**