

## **PRODUCT INDENTIFIER: MF 2700-A**

December 14th 2023 Revision #1

# FICHE DE DONNÉES DE SÉCURITÉ

IDENTIFICATION	
Product identifier	M 2700-A
Other Means of Identification	N. A
Recommended Use	Anti-Crystallization Epoxy Coating
Restrictions on Use	Unknown
Supplier Identifier	MF PAINT INC.
	1605 Boulevard Dagenais O, Laval,
	QC H7L 5A3
Emergency Phone No.	24-Hour Emergency Telephone Number Canada (CANUTEC): (613) 996-6666
	Product identifier Other Means of Identification Recommended Use Restrictions on Use Supplier Identifier

## SECTION 2. HAZARD IDENTIFICATION

#### Classification

Skin Sensitization Category 1B Skin Corrosion/irritation Category 2 Serious eye damage/irritation Category 2A Acute Toxicity, Oral Category 5

Hazardous to the aquatic environment - acute Category 2 Hazardous to the aquatic environment - chronic Category 2



#### **Label Elements**

# Signal Word

Warning

#### **Hazard Statements**

H303: May be harmful if swallowed

H315: Causes skin irritation

H317: May cause an allergic skin reaction

H319: Causes serious eye irritation

H401: Toxic to aquatic life

H411: Toxic to aquatic life with long lasting effects

## **Precautionary statements**

## Prevention:

P261 Avoid breathing dust/fume/gas/mist/vapors/spray. P264 Wash with plenty of water and soap thoroughly after handling. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves/eye protection. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. P337 + P313 If eye irritation persists: Get medical advice/attention. P302 + P352 IF ON SKIN: Wash with plenty of water. P333 + P313 If skin irritation or rash occurs: Get medical advice/attention. P312 IF SWALLOWED: Call a POISON Center/doctor/...if you feel unwell. P362 + P364 Take off contaminated clothing and wash before reuse. P273 Avoid release to the environment. P391 Collect spillage. P501 Dispose of contents/ container into safe container in accordance with local, regional or national regulations.

## Other Hazards:

Unknown

Chemical Name	CAS No.	% concentration
Reaction product: bisphenol-A- (epichlorohydrin) epoxy resin	25085-99-8	50-80
Alkyl (C12-C14) glycidyl ether	68609-97-2	1-10
1,3-bis(2,3-epoxypr	17557-	5-10
Bisphenol-F/epichlorohydrin epoxy resin	28064-14-4	5-10
Benzyl Alcohol	100-51-6	1-10

## SECTION 4. HAZARD IDENTIFICATION

#### First-aid Measures

#### Ingestion:

IF SWALLOWED: Call a POISON Center/doctor/...if you feel unwell.

#### Skin Contact:

Flush with soap and water for a minimum of 15 minutes. Consult a physician if irritation persists or you feel unwell.

#### **Eye Contact:**

Rinse immediately with plenty of water for at least 15 minutes. Consult a physician.

#### Most Important Symptoms and Effects, Acute and Delayed

#### If inhaled:

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

#### If on skin:

Harmful if in contact with the skin. Causes skin irritation. Exposure may produce an allergic reaction

#### If in eyes:

Causes serious eye damage.

#### If ingested:

Ingestion is likely to be harmful or have adverse effects

#### **Immediate Medical Attention and Special Treatment:**

#### **Special Instructions:**

If a physician or medical attention is required, have product container or label at hand.

### SECTION 5. FIRE-FIGHTING MEASURES

## **Extinguishing Media**

## Suitable Extinguishing Media

In case of fire: water fog, foam, dry chemical powder, carbon dioxide (CO2)

### **Unsuitable Extinguishing Media**

water jet

### Specific Hazards Arising from the Product

During fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating.

## Special Protective Equipment and Precautions for Fire-fighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire- fighting clothing. Avoid contact with this material during fire-fighting operations. If contact is likely, change to full chemical resistant fire-fighting clothing with self-contained breathing apparatus.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

# Personal Precautions, Protective Equipment, and Emergency Procedures

Clear area. Ensure adequate ventilation. Wear suitable personal protective clothing and equipment.

### Methods and Materials for Containment and Clean up

For containment, ensure adequate ventilation and absorb any spill with inert liquid binding material and dispose of waste safely.

## SECTION 7.

### **HANDLING AND STORAGE**

#### **Precautions for Safe Handling**

Avoid prolonged or repeated contact with skin. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. When using, do not eat, drink or smoke. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid use of electric band heaters. Avoid release to the environment. Observe good industrial hygiene practices.

#### **Conditions for Safe Storage**

Store in cool dry and well-ventilated place. Keep stored in accordance with local, regional, national, and international regulations. Store away from incapable materials.

#### **SECTION 8.**

#### **EXPOSURE CONTROLS / PERSONAL PROTECTION**

#### **Control Parameters**

All protective clothing should be appropriately clean and available to dress into before work. The engineering measures or controls and PPE recommendations are only guidelines and may not apply to every situation. Data not available. For additional information, please consult the corresponding requirements under http://www.ccohs.ca/topics/hazards/chemical/chemicals/

#### **Appropriate Engineering Controls**

Local exhaust ventilation required. Make up air should be supplied to balance air that is removed by local or general exhaust ventilation. Provide sufficient ventilation to keep vapors below permissible exposure limit. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national / local regulations are observed.



#### **Individual Protection Measures**

#### **General Measures**

Do not eat, drink or smoke during work. Avoid all contact with skin or eye. If clothing comes into contact with material, do not allow out of the workplace. Clean hands and any exposed skin thoroughly after work and before breaks.



## Eye / Face Protection

Use tightly sealed goggles or safety glasses with side shields which are resistant to Chemicals.



#### **Skin Protection**

Wear chemical resistant protection gloves. Wear impervious clothing as necessary to protect against coming in contact with product.



### **Respiratory Protection**

If insufficient ventilation, wear respiratory protection.

## **SECTION 9.**

#### PHYSICAL AND CHEMICAL PROPERTIES Clear Liquid **Appearance** Odor Not available Odor threshold Not available На Not available **Melting Point** Not available Initial Boiling Point / Range Not Available Flash point >93°C Not available **Evaporation rate** Not available Flammability (solid; gas) Not available Lower flammable/explosive limit Upper flammable/explosive limit Not available Vapor pressure Not available Vapor density Not available 1.14 - 1.20 Specific gravity Solubility Partial Partition coefficient-n-Octanol/water Not available Auto-ignition temperature Not available **Decomposition temperature** Not available

SECTION 10.	STABILITY AND REACTIVITY	
	Reactivity	Non-reactive
	Chemical stability	Stable under recommended handling and storage conditions
	Possibility of Hazardous reactions	This product will polymerize if mixed with an amine.
		Considerable heat can evolve.
	Conditions to avoid	Avoid temperatures exceeding the flash point. Avoid
	luce man etible meete viele	unintended contact with amines.
	Incompatible materials Hazardous decomposition products	Strong oxidizers, strong alkalis, strong mineral acids, amines.  Unknown.
SECTION 11.	TOXICOLOGY INFORMATION	
	Likely Routes of Administration	Inhalation, skin contact, eye contact, ingestion.
	Acute Toxicity	Oral: Harmful if swallowed.
	Acute Toxicity	Dermal: Harmful in contact with skin.
	LD50 and LC50 Data	Not available
	Skin Corrosion/Irritation	Causes skin irritation.
	Serious Eye Damage/ Irritation	Causes serious eye damage
	STOT (Specific Target Organ Toxicity)	, ,
	Single Exposure Inhalation	
	Aspiration Hazard	Not classified based on available data.
	STOT(Specific Target Organ Toxicity)	No data
	Repeated Exposure	
	Respiratory and/or Skin Sensitization	May irritate mucous membranes, eyes, nose, and respiratory
		passages. May cause asthma attack to persons with pre-
		existing bronchial hyper reactivity. Exposure to high
		concentrations may lead to bronchitis, bronchial spasm and
		pulmonary oedema. Effects are usually reversible.
		May cause C.N.S. depression with symptoms of nausea, light-
	Carainaganiaitu	headedness, drowsiness, dizziness, loss of coordination Unknown
	Carcinogenicity Reproductive Toxicity	Not available
	Germ Cell Mutagenicity	Not available
	Interactive Effects	Not available
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SECTION 12.	ECOLOGICAL INFORMATION	
	Hazardous to aquatic environment.	
	This is not required by WHMIS.	
	This is not required by OSHA HCS 2012	
SECTION 13.	DISPOSAL CONSIDERATIONS	
	<u>Disposal Methods</u> Dispose of contents/container into safe or regulations.	container in accordance with local, regional or national
SECTION 14.	TRANSPORT INFORMATION	
		ea(ea): Peaking group (PC) of the TDC Peakiletiens:
		ss(es); Packing group (PG) of the TDG Regulations: DOUS SUBSTANCE, LIQUID, N.O.S. (bisphenol-A- ); PG III
		ss(es); Packing group (PG) of the IMDG (maritime): DOUS SUBSTANCE, LIQUID, N.O.S. (bisphenol-A- ); PG III; MARINE POLLUTANT
		ss(es); Packing group (PG) of the IATA (air): DOUS SUBSTANCE, LIQUID, N.O.S. (bisphenol-A- ); PG III; MARINE POLLUTANT
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SECTION 15.	REGULATORY INFORMATION  Not required under Canadian R	
SECTION 16.	OTHER INFORMATION	
	Date of Preparation	August 2022
	Date of Last Revision	August 31, 2023
	Revision Indicators	The entire MDSD was changed in August 2020 to be in accordance with the WHMIS 2015 which incorporates the Globally Harmonized System of Classification and Labeling of Chemicals for Canadian Workplaces.
	References	CHOHS Fact Sheets September 2016 ©CCOHS 2016     Supplier's Material Safety Data Sheet(s)
	ACGIH	American Conference of Governmental Industrial Hygienists
	ATE	Acute toxicity estimate
	CAS	Chemical Abstract Service
	DSL	Domestic Substance List
	IARC	International Agency for Research on Cancer
	IATA	International Air Transport Association
	IMDG	International Maritime Dangerous Goods Code
	LC	Lethal concentration
	LD	Lethal Dosage
	NIOSH	National Institute for Occupational Safety and Health
	NTP	National Toxicology Program (U.S.A.)
	OSHA	Occupational Safety and Health Administration (U.S.A.)
	PEL	Permissible Exposure Limit
	STEL	Short-term Exposure Limit
	TDG	Transport of dangerous goods in Canada
	TLV	Threshold Limit Value
	TSCA	Toxic Substances Control Act
	TWA	Time Weighted Average
	WHMIS	Workplace Hazardous Materials Information System

No guarantee of accuracy is made. Before using, determine the suitability of the product's intended use. The purchaser assumes all risks and liability for losses, damage, or expenses, directly or indirectly, arising from the handling or use of the product or from any other cause. All recommendations are made on condition that MF PAINTInc will not be liable for any damages resulting from its use since MF PAINT Inc cannot control the conditions under which the product will be transported, stored, handled or used by the purchaser.

SECTION 1.	IDENTIFICATION	
	Product identifier	MF2700-B
	Other Means of Identification	N. A
	Recommended Use	Anti-Crystallization Epoxy Coating
	Restrictions on Use	Unknown
	Supplier Identifier	MF PAINT INC.
		1605 Boulevard Dagenais O, Laval,
		QC H7L 5A3
	Emergency Phone No.	24-Hour Emergency Telephone Number Canada (CANUTEC): (613) 996-6666

### **SECTION 2.**

#### HAZARD IDENTIFICATION

#### Classification

Acute Toxicity, Oral (Category 4)
Acute Toxicity, Dermal (Category 5)
Skin Sensitization (Category 1A)
Skin Corrosion/irritation (Category 1B)
Serious eye damage/irritation (Category 1)
Reproductive toxicity (Category 2)

Hazardous to the aquatic environment - acute (Category 1) Hazardous to the aquatic environment - chronic (Category 1)



#### **Label Elements**

# Signal Word

Danger

### **Hazard Statements**

H302 Harmful if swallowed

H312 Harmful in contact with skin

H317 May cause an allergic skin reaction

H314 Causes severe skin burns and eye damage

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

H335 May cause respiratory irritation

H360 May cause harm to breast-fed children

H361 May damage the unborn child. Suspected of damaging fertility

H400 Very toxic to aquatic life

H410 Very toxic to aquatic life with long lasting effects

## **Precautionary statements**

#### Prevention:

P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P260 Do not breathe dust or mist. P263 Avoid contact during pregnancy/ while nursing. P264 Wash with plenty of water and soap thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection. P284 Wear respiratory protection. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. P310 Immediately call a POISON CENTER or doctor/physician. P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304 + P341 + P311 IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician. P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P362 + P364 Take off contaminated clothing and wash before reuse. P370 + P378 In case of fire: Use water spray, dry powder, or foam for extinction. P233 Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container into safe container in accordance with local, regional or national regulations.

#### Other Hazards:

Unknown

#### **GHS Special Labeling:**

**EUH205** - "Contains epoxy constituents. May produce a skin allergy."

### SECTION 3. COMPOSITION

CAS No.	% concentration
2855-13-2	20 - 25 %
100-51-6	5 - 10 %
84852-15-3	25 - 30 %
Proprietary	15 - 25%
	2855-13-2 100-51-6 84852-15-3

### SECTION 4. FIRST-AID MEASURES

#### First-aid Measures

#### Inhalation:

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

#### Skin Contact:

Flush with soap and water for a minimum of 15 minutes. Consult a physician if irritation persists or you feel unwell.

#### **Eye Contact:**

Rinse immediately with plenty of water for at least 15 minutes. Consult a physician.

#### Ingestion:

Rinse mouth and then drink plenty of water. Do not induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Immediate medical attention required.

## Most Important Symptoms and Effects, Acute and Delayed

Burning pain and severe corrosive skin damage. Can burn mouth, throat, and stomach. Can cause severe irritation and burns to the respiratory tract. May cause an allergic respiratory reaction. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

### **Immediate Medical Attention and Special Treatment:**

Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

## SECTION 5. FIRE-FIGHTING MEASURES

#### **Extinguishing Media**

## Suitable Extinguishing Media

In case of fire: water fog, foam, dry chemical powder, carbon dioxide (CO<sub>2</sub>)

## **Unsuitable Extinguishing Media**

Water jet

### **Specific Hazards Arising from the Product**

During fire, nitrous gases, fumes/smoke, isocyanates and vapour may be formed.

## Special Protective Equipment and Precautions for Fire-fighters

Self-contained breathing apparatus and turn-out gear must be worn in case of fire.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

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

Clear area. Ensure adequate ventilation. Wear suitable personal protective clothing and equipment.

#### Methods and Materials for Containment and Clean up

For containment, ensure adequate ventilation and absorb any spill with inert liquid binding material and dispose of waste safely.

### SECTION 7.

#### **HANDLING AND STORAGE**

### **Precautions for Safe Handling**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust or mist. Do not get in eyes, on skin, or on clothing. Do not get this material in contact with eyes. Do not taste or swallow. When using, do not eat, drink or smoke. Provide adequate ventilation. Should be handled in closed systems, if possible. Pregnant or breastfeeding women must not handle this product. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices. Keep away from sources of ignition -No smoking. Take precautionary measures against static discharge.

#### **Conditions for Safe Storage**

Store in cool dry and well-ventilated place. Keep stored in accordance with local, regional, national, and international regulations. Store away from incapable materials.

### **SECTION 8.**

#### **EXPOSURE CONTROLS / PERSONAL PROTECTION**

#### **Control Parameters**

All protective clothing should be appropriately clean and available to dress into before work. The engineering measures or controls and PPE recommendations are only guidelines and may not apply to every situation. Data not available. For additional information, please consult the corresponding requirements under http://www.ccohs.ca/topics/hazards/chemical/chemicals/

		OSHA PEL	AIHA® WEEL®
Chemical Name	TWA STEL®	TWA Ceiling	8-hr TWA Short-term

### **Appropriate Engineering Controls**

Local exhaust ventilation required. Make up air should be supplied to balance air that is removed by local or general exhaust ventilation. Provide sufficient ventilation to keep vapors below permissible exposure limit. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national / local regulations are observed.



### **Individual Protection Measures**

#### **General Measures**

Do not eat, drink or smoke during work. Avoid all contact with skin or eye. If clothing comes into contact with material, do not allow out of the workplace. Clean hands and any exposed skin thoroughly after work and before breaks.



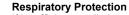
#### **Eye / Face Protection**

Use tightly sealed goggles or safety glasses with side shields which are resistant to Chemicals.



#### **Skin Protection**

Wear chemical resistant protection gloves. Wear impervious clothing as necessary to protect against coming in contact with product.



If insufficient ventilation, wear respiratory protection.



SECTION 9.	PHYSICAL AND CHEMICAL PROPER	TIES
	Appearance Odor	Amber Liquid  Not available
	Odor threshold	Not available
	pH	Not available
	Melting Point	Not available
	Initial Boiling Point / Range	Not Available
	Flash point	>93°C
	Evaporation rate	Not available
	Flammability (solid; gas)	Not available
	Lower flammable/explosive limit	Not available
	Upper flammable/explosive limit	Not available
	Vapor pressure	Not available
	Vapor density	Not available
	Specific gravity	0.9-1.0
	Solubility	Partial
	Partition coefficient-n-Octanol/water	
	Auto-ignition temperature	Not available
	Decomposition temperature	Not available
	<u> </u>	
SECTION 10.	STABILITY AND REACTIVITY	
	Reactivity	Non-reactive
	Chemical stability	Stable under recommended handling and storage conditions
	Possibility of hazardous reactions	This product will polymerize if mixed with an epoxy resin.
	r occionity of mazaracae reactions	Considerable heat can evolve.
	Conditions to avoid	Avoid temperatures exceeding the flash point. Epoxy resins
		under uncontrolled conditions.
	Incompatible materials	Strong oxidizing agents and acids.
	Hazardous decomposition products	
SECTION 11.	TOXICOLOGY INFORMATION	
	Likely Routes of Administration	Inhalation, skin contact, eye contact, ingestion.
	Acute Toxicity	Oral: Phenol LD50: 317 mg/kg (rat)
	•	Dermal: Harmful in contact with skin LD50: 850 mg/kg
	LD50 and LC50 Data	Not available
	Skin Corrosion/Irritation	Causes skin irritation.
	Serious Eye Damage/ Irritation	Causes serious eye damage
		May cause allergy or asthma symptoms or breathing difficulties
	Single Exposure Inhalation	if inhaled.
	Aspiration Hazard	Not classified based on available data.
		Skin, eyes, central nervous system, respiratory system
	Repeated Exposure	
	Respiratory and/or Skin Sensitization	
	Carcinogenicity	Unknown
	Chemical Name	IARC ACGIH® NTP OSHA
	Reproductive Toxicity	Not available
	Germ Cell Mutagenicity Interactive Effects	Not available  Not available
		TOT GTGHODIO
SECTION 12.	ECOLOGICAL INFORMATION	
	Toxic to aquatic life with lasting effects.	
	This is not required by WHMIS.	
	This is not required by OSHA HCS 2012	<b>.</b> .

SECTION 13.	DISPOSAL CONSIDERATIONS	3		
	Disposal Methods	to safe container in accordance with local, regional or national regulations.		
SECTION 14.	TRANSPORT INFORMATION			
		ame; Class(es); Packing group (PG) of the TDG Regulations: , BASIC, ORGANIC, N.O.S. Isophorone diamine, 4-nonylphenol,		
	UN3267; CORROSIVE LIQUID,	UN Number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime): UN3267; CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (. Isophorone diamine, 4-nonylphenol, branched); CLASS 8; PG III; MARINE POLLUTANT		
		ame; Class(es); Packing group (PG) of the IATA (air): , BASIC, ORGANIC, N.O.S. Isophorone diamine, 4-nonylphenol, ARINE POLLUTANT		
SECTION 15.	REGULATORY INFORMATION			
SECTION 16.		°1907/2006 ons specifics: Refer to section 2 for the appropriate classification. This ccordance with the hazard criteria of the Hazardous Products Regulation		
	Date of Preparation	August 2022		
	Date of Last Revision	August 31, 2023		
	Revision Indicators	The entire MDSD was changed in August 2020 to be in accordance with the WHMIS 2015 which incorporates the Globally Harmonized System of Classification and Labeling of Chemicals for Canadian Workplaces. (REACH), Annex 11, amended by Regulation (EU) No 2020/878-France.		
	References	CHOHS Fact Sheets September 2016 ©CCOHS 2016     Supplier's Material Safety Data Sheet(s)		
	ACGIH ATE CAS DSL IARC IATA IMDG LC LD NIOSH NTP OSHA PEL STEL TDG TLV TSCA TWA	American Conference of Governmental Industrial Hygienists Acute toxicity estimate Chemical Abstract Service Domestic Substance List International Agency for Research on Cancer International Air Transport Association International Maritime Dangerous Goods Code Lethal concentration Lethal Dosage National Institute for Occupational Safety and Health National Toxicology Program (U.S.A.) Occupational Safety and Health Administration (U.S.A.) Permissible Exposure Limit Short-term Exposure Limit Transport of dangerous goods in Canada Threshold Limit Value Toxic Substances Control Act Time Weighted Average		
	WHMIS	Workplace Hazardous Materials Information System		

**NOTICE:** The facts stated and the recommendations made with respect to the use of this product are based on liable information. No guarantee of accuracy is made. Before using, determine the suitability of the product's intended use. The purchaser assumes all risks and liability for losses, damage, or expenses, directly or indirectly, arising from the handling or use of the product or from any other cause. All recommendations are made on condition that SCI Coatings Inc will not be liable for any damages resulting from its use since SCI Coatings Inc cannot control the conditions under which the product will be transported, stored, handled or used by the purchaser.