

# PAINTCOR

SUPREME QUALITY *From 2086*

## EPOXI PRIME

### Material Safety Data

#### PAINTCOR CC

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#### 1. Product Identification:

Product Name: **EPOXYPRIME CATALYST (part B)**  
Product Code: EPO  
SDS Number: 0702300  
Product Description: Epoxy curing agent.

#### 2. Hazardous Identification:

SAPMA Health rating: 2 – Moderate – Minor residual effects could result from accidental exposure if no treatment is applied.

Main Hazard: Harmful

Flammability: Not determined

Chemical Hazard: Causes burns

Health Effect: -Eyes: Hazardous. Can cause inflammation, burning / irritation, itching, redness and pain if splashed in eyes.  
- Skin: Hazardous. Irritant. Skin inflammation is characterised by itching, scaling, reddening or occasional blistering and sensitisation.

- Ingestion: Harmful. May cause nausea and diarrhoea and damage to the mucous membrane, sore throat, abdominal pains and laboured breathing.
- Inhalation: Adverse health effects from vapours or spray mist in poorly ventilated areas may induce irritation of the nose, throat and respiratory tract. Irritation may cause sore throat, coughing, headaches, dizziness, nausea and loss of consciousness.



### 3. Composition:

Chemical Preparation of substances listed below with non-hazardous additions.

Hazard Components:	CAS #	Symbols	Risk phrases	Safety phrases	% by WT
1,3-Benzenedimethanamine	90194-02-8	C, N	R34,R43,R51/53	S24//26,S37/39,S60	25-35
Reaction products with					
[[4-(1,1-dimethylethyl) Phenoxy]methyl] Oxirane m-phenylenebis (methylamine)	1477-55-0	C,Xn	R20/22,R34,R43 R52/53	S24/26,S37/39,S60	25-35
3-aminomethyl-3,5,5-Trimethylcyclohexylamine	2855-13-2	C, Xn	R22,R34,R43,R52/53	S24/26,S37/39,S60	25-35
4-nonylphenol, branched	84852-15-3	C, N	R22,R34,R50/53,R62 /63	S24/26,S37/39,S60	7-10
2,4,6-tris(dimethylamino methyl) phenol	90-72-2	Xn,Xi	R22,R36/38	S24/26,S37/39,S60	3-5
bisphenolA	1980-05-07	Xn,Xi	R37,R41/43,R52,R62	S24/26,S37/39,S60	2-3

#### 4. First Aid Measures

Product:	- Eyes:	Check for and remove contact lenses. IMMEDIATELY flush open eyes with water for 15 minutes. Call a physician if necessary.
	- Inhalation:	Remove to fresh air and if needed give artificial respiration of oxygen. In severe cases seek medical attention.
	- On skin:	Use hand cleaner. Wash skin with soap and water. Remove contaminated clothing. Call a physician if irritation persists.
	- Ingestion:	Do not induce vomiting. Give plenty water to drink. Seek medical attention immediately.
Notes to a physician:		Symptoms of poisoning may even occur after several hours, therefore medical observation for at least 48 hours after the accident. Chemical burns must be treated promptly.

#### 5. Fire Fighting Measure

Extinguishing Media:	Carbon Dioxide, dry powders, (BC-powder) foam. Can use alcohol foam, water spray or fog on large fires. Cool containing vessels with water jets.
Specific Hazards:	In case of a fire aside from the major combustion products, carbon dioxide and carbon monoxide and other harmful gasses and vapours may be formed. Thermal decomposition may result in the evolution of nitrogen oxides. Container may burst.
Protective clothing:	Use numeral fire fighting equipment and self contained breathing apparatus.

#### 6. Accidental Release Measures

Personal precautions:	Wear suitable protective clothing, gloves and eye / face protection. Ensure adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not breath vapour or mist. Prevent skin and eye contact.
Environmental precautions:	Prevent from getting into drains, sewers or waterways.
	Small spills: Dilute with water. Mop up with sand, earth or approved absorbent inert materials and transfer to suitable containers. Scrub contaminated surfaces with detergent solution and retain washings as contaminated waste.
	Large spills: Contain spill by dicing edges with sand, earth or suitable absorbent inert materials (vermiculite). Transfer liquid to suitable containers. Keep all spills out of surge lakes, aquifers and any other running water supply. Dispose of in agreement with local regulations. Wear full protective suit and equipment when cleaning large spills.

7. Handling and storage:

Handling precautions: Handle in well ventilated areas. Avoid contact with skin, eyes and clothing. Wear suitable PPE. Do not ingest, breath vapour or mist.

Storage precautions: Store at ambient temperatures. Keep separate from oxidisers.  
Keep lids tightly sealed when not in use.

Suitable packaging material: Suitable materials for storage are mild steel, stainless steel and aluminium containers. Plastics and rubbers are not recommended.

8. Exposure controls / Personal protection:

SAPMA Rating: 2-H-G. Hands,eyes, foot, apron, respirator.

Bisphenol A:

EU OEL: TWA 10mg/m<sup>3</sup> (inhalable dust)  
DNEL: Short term dermal 0,7 mg/kg/day  
Short term inhalation 5,0 mg/m<sup>3</sup>  
Short term oral 0,05 mg/kg/day  
Long term dermal 0,7 mg/kg/day  
Long term inhalation 0,25 mg/m<sup>3</sup>  
Long term oral 0,05 mg/kg/day

PNEC: Fresh water 0,018 mg/l  
Marine 0,016 mg/l  
Sewage plant treatment 320 mg/l  
Sediment 2,2 mg/kg  
Soil 3,7 mg/kg

Engineering control measures: Ensure adequate ventilation. Ensure that eyewash stations are proximal to the work station.

Personal protection:

- Respirator: Use in enclosed areas when spraying and must be approved for organic vapours. Normal working conditions should have adequate ventilation.
- Hands: Use barrier cream and wear gauntlet type nitrile rubber or Butyl rubber gloves. PVC gloves are suitable for short term contact.
- Eyes: Use face shield or goggles / safety glasses with side protection.
- Skin / Body: Use overalls and rubber or plastic apron. Wear suitable arm protection if body contact is

possible. Wear closed chemical resistant footwear. Remove contaminated clothing to avoid skin contact.

Other protection:

Apply skin protection cream before handling. Wash hands before eating, drinking or smoking.



## 9. Physical and chemical properties:

Appearance:	Coloured liquid.
Odour:	Not determined
Solubility in water:	Partly soluble
Solubility in solvent:	Soluble in M.I.B.K. Meths and Thinners
Density:	Not determined
Flammability:	Not determined
Boiling point:	>200°C
Melting point:	Not determined
Flash point:	> 100°C
Ignition temperatures:	Not determined
Self-ignition:	Product is not self-igniting.
Explosive properties:	Non-explosive
Vapour pressure:	Not determined
PH-value:	Not determined
Viscosity:	375 - 525 mPas at 25°C
Solvent content:	0.0%
Solid content:	100.0%
Decomposition temp:	Not determined
Auto ignition temp:	Not determined
VOC (g/l):	Not determined

## 10. Stability and reactivity:

Stability:

Conditions to avoid:

Materials to avoid:

Hazardous decomposition of by-products:

Hazardous polymerisation:

Stable at ambient temperatures.

Poor ventilation. Release to environment.

Acids. Considerable exothermic reaction with epoxy resin is possible.

Not expected to form during normal storage.

Burning will produce dense, acid containing

Carbon Dioxide, Carbon Monoxide and other noxious fumes.

Will not occur

## 11. Toxicological information:

Acute toxicity:

CAS nr	Substance	LD50(O)mg/kg	LD50(D)mg/kg	LC50ml/m3
1477-55-0	m-phenylenebis(methylamine)	(rat) 930	(rabbit) 2000	(rat) 389
2855-13-2	3-aminomethyl-3,5,5-Trimethylcyclohexylamine 4-nonylphenol, branched	(rat) 1030		
84852-15-3	2,4,6-tris(dimethylaminomethyl)phenol	(rat) 1300	(rabbit) 3160	
90-72-2	bisphenolA	(rat) 1200	(rat) 1280	
1980-05-07		(rat) 3250	(rabbit) 3000	

Local effects:	- Eyes:	Burning / irritation, if splashed in eyes.
	- Skin:	Frequent or prolonged contact may irritate and cause dermatitis. May be absorbed with possible systemic effects. Skin sensitiser.
	- Ingestion:	Small amounts of liquid aspirated into the respiratory system during ingestion or vomiting may cause bronchi pneumonia or pulmonary oedema.
	- Inhalation:	High vapour irritates the eyes and the respiratory tract, causing headaches, dizziness, nausea, vertigo and unconsciousness and may have other nervous effects.

Chronic toxicity: None known

Carcinogenicity: None known

Mutagenicity: None known

Neuro-toxicity: None known

Reproductive hazards: None known

## 12. Ecological information:

Mobility: Viscous liquid. Sinks in water. If product enters soil, one or more constituents will be mobile and may contaminate groundwater.

Biodegradability: Resin solids slowly biodegrade.

Bioaccumulation: Resin has the potential to bio-accumulate.  
 Aquatic toxicity: Water hazard class 1 (German Regulations).  
 (Self Assessment): Slightly hazardous for water.  
 Do not allow undiluted product or large quantities of it to reach ground-water, watercourses or sewage systems.

13. Disposal consideration:

Waste disposal: Liquid surplus or waste should be appropriately labelled. Disposal must be in accordance with current national and local regulations. Appropriate disposal is by incineration. Solidified wastes must be land filled in an appropriate H:H or H:h landfill site, but authorisation from appropriate sources should be sought.

Packaging disposal: Drain thoroughly, rinse three times with suitable solvent. Empty drums should be sent for reconditioning or scrap by a recognised drum reconditioner, appropriately labelled in accordance with national and local regulations. Incinerate or treat as for disposal of waste.

14. Transport information:

U.N. No.	2735
Substance Identity no:	None
Land transport ADR / RID (cross-border)	
ADR / RID class:	8
Maritime transport IMDG:	
IMDG class:	8
Marine pollutant:	Yes
Air transport ICAO-TI and IATA-DGR:	
ICAO / IATA Class:	8
Packing group	III



15. Regulatory information:

Symbols:	Xn:	Harmful
	C:	Corrosive
	Xi:	Irritant
	N	Dangerous to the environment
	Hazard-determining components of labelling:	4-nonylphenol, branched

Risk phrases:

R20:	Harmful by inhalation.
R22:	Harmful if swallowed.
R34:	Cause burns.
R36/37/38	Irritating to eyes, respiratory system and skin.
R43:	May cause sensitisation by skin contact.
R51/53	Toxic to aquatic organisms, may cause long term effects in the aquatic environment.
R62	Possible risk of impaired fertility
R63	Possible risk of harm to the unborn child

Safety phrases:

S2	Keep out of reach of children
S24/25	Avoid contact with skin and eyes.
S26:	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39:	Wear suitable gloves and eye / face protection.
S60:	This material and its container must be disposed of as hazardous waste
S61	Avoid release to the environment.

National / Local regulations: Refer to Occupational Health and Safety Act (1993), Hazardous Chemical Substances Regulations and General Administrative Regulations.

Water hazard class: 1; (self assessment): Slightly hazardous for water.



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Note:

The data and recommendations contained herein are based upon data that is considered to be accurate, however, Paintcor cc makes no warranty or guarantee, either expressed or implied, of the accuracy or completeness of this data and recommendations. Paintcor cc advises the user of the product to make their own determinations as to the information suitability and completeness for the particular application.

Abbreviations:

ACGIH:	American Conference of Governmental Industrial Hygienists.
OSHA:	Occupational Safety and Health Administration
NIOSH:	National Institute for Occupational Safety and Health



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PEL:	Permissible Exposure Limit
TWA:	Time Weighted Average
STEL:	Short Term Exposure Limit
PPE:	Personal Protective Equipment
LC50:	Lethal concentration, 50%
LD50:	Lethal dose, 50 %
OEL:	Occupational exposure limit
DNEL:	Derived no-effect level
PNEC:	Predicted no-effect concentration