

SAFETY DATA SHEET #2 Chemical Resistant Epoxy Hardener Part B

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	1. Product and Compa	any Identification
Product Code:	#2-RCB	
Product Name:	#2 Chemical Resistant Epoxy Ha	rdener Part B
Company Name:	Epoxy Systems, Inc	Phone Number:
	20774 W Pennsylvania Ave	+1 (352) 489-1666
	Dunnellon, FL 34431	
Emergency Contact:	PERS (USA)	1-800-633-8253(US)
	PERS (International)	+1 801-629-0667(outside US)
Intended Use:	Industrial floor coatings.	
	2. Hazards Ider	ntification
Skin Sensitization, Category Skin Corrosion/Irritation, Ca Serious Eye Damage/Eye Irr Acute Toxicity: Oral, Catego Aquatic Toxicity (Acute), Ca Aquatic Toxicity (Chronic),	itegory 1B itation, Category 1 ory 4 itegory 1	
Warning Danger	Warning	
GHS Hazard Phrases:	H317 - May cause an allergic ski H314 - Causes severe skin burns H318 - Causes serious eye dama H302 - Harmful if swallowed. H400 - Very toxic to aquatic life. H410 - Very toxic to aquatic life.	s and eye damage. age.
GHS Precaution Phrases:		rotective clothing/eye protection/face protection. ed clothing and wash it before reuse.
GHS Response Phrases:	irritation or rash occurs, seek me P305+351+338 - IF IN EYES: Rit contact lenses, if present and ea persists, get medical advice/atter P301+330+331 - IF SWALLOWE medical advice/attention. P304+340 - IF INHALED: Remov comfortable for breathing. P314 - P391 - Collect spillage.	with plenty of soap and water. P333+313 - If skin edical advice/attention. Inse cautiously with water for several minutes. Remove sy to do. Continue rinsing. P337+313 - If eye irritation intion. ED: Rinse mouth. Do NOT induce vomiting. P313 - Get we victim to fresh air and keep at rest in a position - Get medical attention/advice if you feel unwell.
GHS Storage and Disposal Phrases:	P501 - Dispose of contents/conta	ainer to local, state, and federal authority requirements.
OSHA Regulatory Status:	This material is classified as haza	ardous under OSHA regulations.

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Potential Health Effects	Corrosive! Damages skin and eyes.
(Acute and Chronic):	Inhalation: Vapors are irritating to the respiratory system, may cause throat pain and cough.
	Harmful if swallowed. This product may produce corrosive damage to the gastrointestina tract if it is swallowed. Ingestion may produce burns to the lips, oral cavity, upper airway, esophagus and possibly the digestive tract.
Inhalation:	May cause respiratory irritation.
Skin Contact:	Causes severe skin irritation. Causes skin burns.
Eye Contact:	Corrosive/irritation to eyes. Causes eye burns.
Ingestion:	Harmful if swallowed.

Medical Conditions Generally Skin disorders, Respiratory disorders, Eye disorders, Skin Allergies. **Aggravated By Exposure:**

3.	Com	position/Information on Ingredients	
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Hazardous Components (Chemical Name)	Concentration	
Isophoronediamine	40 - 60 %	
Benzenemethanol	30 - 40 %	
Phenol, 4-nonyl-, branched	10 - 20 %	
N,N-Dimethylbenzylamine	1.0 - 10 %	
Salicylic acid	1.0 - 10 %	
	Isophoronediamine Benzenemethanol Phenol, 4-nonyl-, branched N,N-Dimethylbenzylamine	Isophoronediamine40 - 60 %Benzenemethanol30 - 40 %Phenol, 4-nonyl-, branched10 - 20 %N,N-Dimethylbenzylamine1.0 - 10 %

4. First Aid Measures

Emergency and First Aid Procedures:	
In Case of Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If experiencing respiratory symptoms: Get medical attention immediately.
In Case of Skin Contact:	In case of contact, immediately wash skin with soap and copious amounts of water. Remove contaminated clothing and shoes. Get medical attention if irritation develops or persists.
In Case of Eye Contact:	In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Get medical attention immediately.
In Case of Ingestion:	If swallowed, wash out mouth with water provided person is conscious. Do not induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Get medical attention immediately.
Signs and Symptoms Of Exposure:	Eyes: Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Skin: Can cause severe skin burns. Symptoms may include redness, edema, drying, defatting and cracking of the skin. Inhalation: Vapors are irritating to the respiratory system, may cause throat pain and cough.

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5. Fire Fighting Measures				
Flash Pt:	> 200.00 F (93.3 C) Method Used: Pensky-Marten Closed Cup			
Explosive Limits:	LEL: NE UEL: NE			
Autoignition Pt:	No data.			
Suitable Extinguishing Media	CO2, dry chemical, dry sand, alcohol-resistant foam.			
Unsuitable Extinguishing Media:	Do not use a direct water stream, which may spread fire.			
Fire Fighting Instructions:	Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.			
Flammable Properties and Hazards:	Combustible material: may burn but does not ignite readily.			
	6. Accidental Release Measures			
Protective Precautions, Protective Equipment and Emergency Procedures:	Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves. Where splashing is possible, full chemically resistant protective clothing, and boots are required.			
Environmental Precautions:	Prevent entry into waterways, sewers, basements or confined areas.			
Steps To Be Taken In Case	PROCEDURE TO BE FOLLOWED IN CASE OF LEAK OR SPILL.			
Material Is Released Or Spilled:	Absorb with sand or vermiculite and place in closed containers for disposal. Ventilate the area.			
7. Handling and Storage				
Precautions To Be Taken in Handling:	Provide adequate ventilation. Wear all personal protection required in section 8.			
Precautions To Be Taken in Storing:	Keep container tightly closed in a dry and well-ventilated place. Store away from incompatible material.			
Other Precautions:	Wash thoroughly after handling.			
Q	Exposure Controls/Personal Protection			

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
2855-13-2	Isophoronediamine	No data.	No data.	No data.
100-51-6	Benzenemethanol	No data.	No data.	No data.
84852-15-3	Phenol, 4-nonyl-, branched	No data.	No data.	No data.
103-83-3	N,N-Dimethylbenzylamine	No data.	No data.	No data.
69-72-7	Salicylic acid	No data.	No data.	No data.

Respiratory Equipment	Normally when good engineering controls are used, no respiratory protection is needed.
(Specify Type):	However, if cured product is abraded by sanding or grinding use a NIOSH approved
	air-purifying respirator. Where risk assessment shows air-purifying respirators are
	appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. A
	NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or
	canister may be permissible under certain circumstances where airborne concentrations
	are expected to exceed exposure limits. Protection provided by air purifying respirators
	is limited. Use a positive pressure air supplied respirator if there is any potential for an
	uncontrolled release, exposure levels are not known, or any other circumstances where
	air purifying respirators may not provide adequate protection.
Eye Protection:	Safety glasses, or goggles.
Protective Gloves:	Nitrile rubber and Neoprene are recommended.
Other Protective Clothing:	Where splashing is possible, full chemically resistant protective clothing, safety glasses

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SAFETY DATA SHEET #2 Chemical Resistant Epoxy Hardener

Part B

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	11. Toxicological Information		
Toxicological Information:	May cause sensitization by skin contact.		
Irritation or Corrosion:	Corrosive! Damages skin and eyes.		
Symptoms related to	May cause sensitization by skin contact. May cause skin irritation or burns.		
Foxicological	Can cause eye irritation or burns.		
Characteristics:			
Chronic Toxicological	Skin sensitization.		
Effects:			
	12. Ecological Information		
General Ecological	Avoid release to the environment. Do not empty into drains. May be hazardous to the		
Information:	environment if released in large quantities.		
Results of PBT and vPvB	No data available.		
assessment:			
Persistence and Degradability:	Not readily biodegradable.		
Bioaccumulative Potential:	No data available.		
Mobility in Soil:	not reported, unknown.		
	13. Disposal Considerations		
Waste Disposal Method:	Incinerate or dispose of unused material, residues and containers in a licensed facility i		
	accordance with all applicable local, state and federal regulations. Do not discharge		
	substance/product into sewage system.		
	14. Transport Information		
LAND TRANSPORT (US DOT)	·		
	• ne: CAUSTIC ALKALI LIQUID, N.O.S. (Contains Nonyl Phenol, Modified Cycloaliphati		
	Amines)		
DOT Hazard Class:	8 CORROSIVE		
UN/NA Number:	UN1719 Packing Group: III		
Precautionary Label:	Corrosive! Damages skin and eyes. May cause sensitization by skin contact. May b		
	harmful if swallowed.		
	CORROSWE		
MARINE TRANSPORT (IMDG	/IMO):		
IMDG/IMO Shipping Name	•		
	Amines) MARINE POLLUTANT.		
UN Number:	1719Packing Group:III		
Hazard Class:	8 - CORROSIVE		
IMDG EMS Number:	FA,SB IMDG MFAG Number: Yes		
IMDG EMS Page:			
AIR TRANSPORT (ICAO/IATA	·		
ICAO/IATA Shipping Name	 CAUSTIC ALKALI LIQUID, N.O.S. (Contains Nonyl Phenol, Modified Cycloaliphation Amines) 		
	Anninos)		

GHS format

SAFETY DATA SHEET #2 Chemical Resistant Epoxy Hardener

Part B

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			Sup	bersedes Revision: 05/13/2015
	15. Regulator	y Informatio	n	
uperfund Amendr	nents and Reauthorization Act	of 1986) Lists		
Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
Isophoronediami	ne	No	No	No
Benzenemethan	ol	No	No	No
Phenol, 4-nonyl-	, branched	No	No	No
N,N-Dimethylber	zylamine	No	No	No
Salicylic acid		No	No	No
e III Sections dicated:	[] Yes [X] No Sudden Rel	ease of Pressure H	Hazard	
nformation:	•	<u>, , , , , , , , , , , , , , , , , , , </u>	onents are listed	or exempt.
e:				
g System: HMIS:	HEALTH3FLAMMABILITY1PHYSICAL0PPEX			
formation Abou : licy or	NP= NOT APPLICABLE PR The information contained in of the date hereof; however warranty in respect to the ac	=PROPRIETARY this MSDS is take Epoxy Systems, Ir curacy of the inform	TS=TRADE SEC on from sources b nc. makes no exp mation or the sui	CRET ?=UNKNOWN. believed to be accurate a pressed or implied tability of the
	Hazardous Com Isophoronediami Benzenemetham Phenol, 4-nonyl- Salicylic acid meets the EPA gories' defined e III Sections dicated: nformation: e: g System: HMIS: formation About	15. Regulator Jagerfund Amendments and Reauthorization Act Hazardous Components (Chemical Name) Isophoronediamine Benzenemethanol Phenol, 4-nonyl-, branched N,N-Dimethylbenzylamine Salicylic acid meets the EPA [X] Yes [] No Gories' defined [X] Yes [] No e III Sections [] Yes [X] No flocated: [] Yes [X] No Fire Hazard dicated: [] Yes [X] No Reactive Ha formation: TSCA (Toxic Substance Colling) g System: HEALTH FLAMMABILITY 1 PHYSICAL 0 PPE x HMIS: The information contained ir of the date hereof; however warranty in respect to the ador	15. Regulatory Informatio uperfund Amendments and Reauthorization Act of 1986) Lists Hazardous Components (Chemical Name) S. 302 (EHS) Isophoronediamine No Benzenemethanol No Phenol, 4-nonyl-, branched No Salicylic acid No meets the EPA [X] Yes [] No [X] Yes [] No Chronic (delayed) Health Haz gories' defined [X] Yes [] No e III Sections [] Yes [X] No Gicated: [] Yes [X] No Sudden Release of Pressure F [] Yes [X] No Rifermation: TSCA (Toxic Substance Control Act): All comp Information a (06/10/2019 g System: HEALTH FLAMMABILITY PPE X	15. Regulatory Information aperfund Amendments and Reauthorization Act of 1986) Lists Hazardous Components (Chemical Name) S. 302 (EHS) S. 304 RQ Isophoronediamine No No Benzenemethanol No No Phenol, 4-nonyl-, branched No No NN-Dimethylbenzylamine No No Salicylic acid No No meets the EPA [X] Yes [] No Acute (immediate) Health Hazard gories' defined [X] Yes [] No Chronic (delayed) Health Hazard gories' defined [X] Yes [] No Beactions [] Yes [X] No Fire Hazard dicated: [] Yes [X] No Sudden Release of Pressure Hazard [] Yes [X] No Reactive Hazard dicated: [] Yes [X] No Reactive Hazard [] System: HE

GHS format