

SAFETY DATA SHEET

#570 Regular Cure Hardener

1. Product and Company Identification

Product Code: 570-RCB
Product Name: #570 Regular Cure Hardener
Company Name: Key Resin / Flowcrete
4050 Clough Woods Dr.
Batavia, OH 45103
Phone Number: +1 (513)943-4225
Emergency Contact: Chemtrec (USA) (800)424-9300
Chemtrec (International) +1 (703)527-3887
Intended Use: Industrial floor coatings.

2. Hazards Identification

Skin Corrosion/Irritation, Category 1B
Serious Eye Damage/Eye Irritation, Category 1
Skin Sensitization, Category 1
Aquatic Toxicity (Chronic), Category 2
Toxic To Reproduction, Category 1B



Danger



Warning



Danger

GHS Hazard Phrases: H314 - Causes severe skin burns and eye damage.
H317 - May cause an allergic skin reaction.
H318 - Causes serious eye damage.
H360 - May damage fertility or the unborn child .
H411 - Toxic to aquatic life with long lasting effects.

GHS Precaution Phrases: P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P261 - Avoid breathing dust/mist/vapors/spray.
P264 - Wash hands thoroughly after handling.
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.
P281 - Use personal protective equipment as required.

GHS Response Phrases: P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P310 - Immediately call a POISON CENTER or doctor/physician.
P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. P333+313 - If skin irritation or rash occurs, seek medical advice/attention.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+313 - IF exposed or concerned: Get medical attention/advice.
P363 - Wash contaminated clothing before reuse.
P391 - Collect spillage.

GHS Storage and Disposal Phrases: P405 - Store locked up.
P501 - Dispose of contents/container to local, state, and federal authority requirements.

SAFETY DATA SHEET

#570 Regular Cure Hardener

Page: 2

Printed: 07/06/2021

Revision: 07/06/2021

Supersedes Revision: 08/10/2017

OSHA Regulatory Status:	This material is classified as hazardous under OSHA regulations.
Potential Health Effects (Acute and Chronic):	Causes severe skin burns and eye damage. May cause allergic skin reaction.
Inhalation:	May cause respiratory irritation.
Skin Contact:	Causes skin burns, irritation and possible allergic reaction.
Eye Contact:	Causes serious eye damage.
Ingestion:	Harmful if swallowed.
Medical Conditions Generally Aggravated By Exposure:	Skin disorders, Respiratory disorders, Eye disorders, Skin Allergies.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration	
919-30-2	3-Aminopropyltriethoxysilane	80 - 90 %	
77-58-7	Dibutyltin dilaurate	10 - 20 %	

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. Call a physician.
In Case of Ingestion:	If swallowed, wash out mouth with water provided person is conscious. Call a physician immediately. Do not induce vomiting. For further assistance, contact your local Poison Control Center.

Signs and Symptoms Of Exposure: May cause allergic skin reaction. May cause rash on skin, and redness in eyes. May cause coughing by inhalation.

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:	N.E.
Suitable Extinguishing Media:	Dry chemical or CO2. Water spray or fog.
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:	Can burn in fire, releasing toxic vapors. Closed container may rupture (due to build up in pressure) when exposed to extreme heat.

SAFETY DATA SHEET

#570 Regular Cure Hardener

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 Material Is Released Or Spilled:	PROCEDURE TO BE FOLLOWED IN CASE OF LEAK OR SPILL. 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. Do not breathe vapor. Do not get in eyes, on skin or on clothing.
Precautions To Be Taken in Storing:	Keep container tightly closed in a dry and well-ventilated place.
Other Precautions:	Wash thoroughly after handling.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
919-30-2	3-Aminopropyltriethoxysilane	No data.	No data.	No data.
77-58-7	Dibutyltin dilaurate	No data.	No data.	No data.

Respiratory Equipment (Specify Type):	Normally when good engineering controls are used, no respiratory protection is needed. 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 or face shield and boots are required.
Engineering Controls (Ventilation etc.):	Good general ventilation should be sufficient to control airborne levels. Safety shower and eye bath.
Work/Hygienic/Maintenance Practices:	Wash contaminated clothing before reuse. Discard contaminated shoes. Wash thoroughly after handling.
Environmental Exposure Controls:	Avoid runoff into storm sewers and ditches which lead to waterways. May be hazardous to the environment if released in large quantities.

SAFETY DATA SHEET
#570 Regular Cure Hardener

9. Physical and Chemical Properties

Physical States: [] Gas [X] Liquid [] Solid
Appearance and Odor: amine-like.
Appearance: Liquid. Clear.
Melting Point: NE
Boiling Point: NE
Decomposition Temperature: NE
Autoignition Pt: N.E.
Flash Pt: >= 200.00 F (93.3 C) Method Used: Pensky-Marten Closed Cup
Explosive Limits: LEL: NE UEL: NE
Specific Gravity (Water = 1): ~ .968
Density: ~ 8.07 LB/GL
Vapor Pressure (vs. Air or mm Hg): NE
Vapor Density (vs. Air = 1): NE
Evaporation Rate: NE
Solubility in Water: No data.
Solubility Notes: Partial solubility.
Saturated Vapor Concentration: NE
Percent Volatile: N.D.
VOC / Volume: NE

10. Stability and Reactivity

Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability: Extreme temperatures.
Incompatibility - Materials To Avoid: Oxidizing materials, Chlorine.
Hazardous Decomposition Or Byproducts: Thermal decomposition may produce smoke, carbon monoxide, carbon dioxide, Metal Oxides. Nitrogen oxides, Silicon Oxides.
Possibility of Hazardous Polymerization: Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions: Will not undergo hazardous polymerization in normal storage conditions.

SAFETY DATA SHEET

#570 Regular Cure Hardener

Page: 5

Printed: 07/06/2021

Revision: 07/06/2021

Supersedes Revision: 08/10/2017

11. Toxicological Information

Toxicological Information:	May cause sensitization by skin contact.
Irritation or Corrosion:	Skin corrosion/irritation. Serious eye damage/eye irritation:
Symptoms related to Toxicological Characteristics:	May cause rash on skin, and redness in eyes. May cause coughing by inhalation of a mist or spray.
Chronic Toxicological Effects:	Skin sensitization.

12. Ecological Information

General Ecological Information:	Avoid release to the environment. May be hazardous to the environment if released in large quantities.
Results of PBT and vPvB assessment:	No data available.
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 in accordance with all applicable local, state and federal regulations. Do not discharge substance/product into sewage system.
-------------------------------	---

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name:	Corrosive liquids, n.o.s. (3-Aminopropyltriethoxysilane, Dibutyltin dilaurate)		
DOT Hazard Class:	8	CORROSIVE	
UN/NA Number:	UN1760	Packing Group:	II
Precautionary Label:	Corrosive! Damages skin and eyes. May cause allergic skin reaction. Ventilation is normally required when handling or using this product to keep exposure to airborne contaminants below the exposure limit. Wear all required personal protection.		



MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name:	Corrosive liquids, n.o.s. (3-aminopropyltriethoxysilane, Dibutyltin Dilaurate) MARINE POLLUTANT.		
UN Number:	1760	Packing Group:	II
Hazard Class:	8 - CORROSIVE	IMDG MFAG Number:	
IMDG EMS Number:	F-A, S-B		
IMDG EMS Page:			Yes

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name:	Corrosive liquids, n.o.s. (3-aminopropyltriethoxysilane, Dibutyltin Dilaurate) MARINE POLLUTANT.		
---------------------------------	--	--	--

SAFETY DATA SHEET

#570 Regular Cure Hardener

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
919-30-2	3-Aminopropyltriethoxysilane	No	No	No
77-58-7	Dibutyltin dilaurate	No	No	No

This material meets the EPA Yes No Acute (immediate) Health Hazard
'Hazard Categories' defined Yes No Chronic (delayed) Health Hazard
for SARA Title III Sections Yes No Fire Hazard
311/312 as indicated: Yes No Sudden Release of Pressure Hazard
 Yes No Reactive Hazard

16. Other Information

Revision Date: 07/06/2021

Hazard Rating System:

HEALTH	3
FLAMMABILITY	1
PHYSICAL	1
PPE	X

HMIS:

Additional Information About This Product: CA=CIRCA NA=NOT AVAILABLE NE=NOT ESTABLISHED NR=NOT REGULATED NP= NOT APPLICABLE PR=PROPRIETARY TS=TRADE SECRET ?=UNKNOWN.

Company Policy or Disclaimer: The information contained in this MSDS is taken from sources believed to be accurate as of the date hereof; however the Key Resin Company makes no expressed or implied warranty in respect to the accuracy of the information or the suitability of the recommendations, and assumes no liabilities to any user thereof.