635 Plus+ Moisture Vapor Treatment Hardener

Part B

1. Product and Company Identification Product Code: 635-PLUS+MVT-B Product Name: 635 Plus+ Moisture Vapor Treatment Hardener Part B Key Resin Company **Company Name: Phone Number:** 4050 Clough Woods Dr. +1 (513)943-4225 Batavia, OH 45103 Chemtrec (USA) (800)424-9300 **Emergency Contact:** +1 (703)527-3887 Chemtrec (International) Industrial floor coatings. Intended Use: 2. Hazards Identification Acute Toxicity: Oral, Category 4 Acute Toxicity: Inhalation, Category 4

Acute Toxicity: Inhalation, Category 4 Skin Corrosion/Irritation, Category 1B Serious Eye Damage/Eye Irritation, Category 1 Skin Sensitization, Category 1 Toxic To Reproduction, Category 2 Specific Target Organ Toxicity (repeated exposure), Category 2

Warning Danger	Warning	
GHS Hazard Phrases:	H302 - Harmful if swallowed. H314 - Causes severe skin burns and eye damage. H317 - May cause an allergic skin reaction. H332 - Harmful if inhaled. H361 - Suspected of damaging fertility or the unborn child . H373 - May cause damage to through prolonged or repeated exposure.	
GHS Precaution Phrases:	 P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P264 - Wash hands 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. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P281 - Use personal protective equipment as required. P273 - Avoid release to the environment. 	
GHS Response Phrases:	 P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P311 - C POISON CENTER or doctor/physician. P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminate clothing. Rinse skin with water/shower. P333+313 - If skin irritation or rash occurs, se 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. P301 - Collect spillage. 	ed eek
GHS Storage and Disposal Phrases:	P405 - Store locked up. P501 - Dispose of contents/container to local, state, and federal authority requirement	nts.
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Printed: 08/19/2020

Revision: 08/04/2020

Supersedes Revision: 07/24/2015

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OSHA Regulatory Status:	This material is classified as hazardous under OSHA regulations.
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 gastrointestinal 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 General	ly Skin disorders, Respiratory disorders, Eye disorders, Skin Allergies.

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Aggravated By Exposure:

3.	Com	position	/Information	on	Ingredients
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CAS #	Hazardous Components (Chemical Name)	Concentration	
1477-55-0	1,3-Benzenedimethanamine	25 - 50 %	
98-54-4	4-tert-Butylphenol	25 - 50 %	
1761-71-3	Cyclohexylamine, 4,4'-methylenebis-	<10 %	
25513-64-8	1,6-Hexanediamine, 2,2,4(or 2,4,4)-trimethyl-	<5.0 %	
135108-88-2	Formaldehyde, polymer with benzenamine, hydrogenated	<5.0 %	

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 Measu	res		
Flash Pt:		> 195.00 F (90.6 C)	Method Used: Pensk	ky-Marten Closed Cup		
Explosive Li	mits:	LEL: NE	UEL: NE			
Autoignition	Pt:	No data.				
Suitable Exti	inguishing Media	a:CO2, dry chemical,	dry sand, alcohol-resista	ant foam.		
Unsuitable Extinguishing Do not use a dire Media:			t water stream, which may spread fire.			
Fire Fighting	Instructions:	Protective Equipme to prevent contact w	nt: Wear self-contained l vith skin and eyes.	breathing apparatus ar	nd protective clothing	
Flammable F Hazards:	Properties and	Combustible materi	al: may burn but does no	ot ignite readily.		
		6. Accider	ntal Release Mea	isures		
Protective P Protective E Emergency I	quipment and	•	emical safety goggles, ru le, full chemically resista			
	tal Precautions:	Prevent entry into v	vaterways, sewers, base	ments or confined area	as.	
Steps To Be	Taken In Case	PROCEDURE TO	BE FOLLOWED IN CAS	E OF LEAK OR SPILL		
Material Is R	eleased Or	Absorb with sand or vermiculite and place in closed containers for disposal. Ventilate the				
Spilled:		area.	area.			
		7. Hai	ndling and Stora	ge		
Precautions To Be Taken in Provide adequate Handling:			entilation. Wear all perso	onal protection required	in section 8.	
Precautions To Be Taken in Keep container t Storing: incompatible ma			phtly closed in a dry and well-ventilated place. Store away from erial.			
Other Precautions: Wash thoroughly			ter handling.			
	8	. Exposure Co	ontrols/Personal	Protection		
CAS #	Partial Chemical	Name	OSHA TWA	ACGIH TWA	Other Limits	
1477-55-0	1,3-Benzenedime	thanamine	No data.	CEIL: mg/m3	No data.	
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98-54-4	4-tert-Butylphenol		No data.	No data.	No data.
1761-71-3	Cyclohexylamine, 4,4'-methylenebis-		No data.	No data.	No data.
25513-64-8	1,6-Hexanediamine, 2,2,4(or 2,4,4)-trimethyl-		No data.	No data.	No data.
135108-88-2	Formaldehyde, polymer with benzenamine, hydrogenated		No data.	No data.	No data.
benzenamine, hy Respiratory Equipment (Specify Type):		ydrogenated 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 g			goggles.		
Protective Gloves: Nitrile rubber and N			leoprene are recommended.		

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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.			
	9. Physical and Chemical Properties			
Physical States:	[]Gas [X]Liquid []Solid			
Appearance and Odor:	Odor: Liquid. Appearance: Yellowish.			
Melting Point:	NE			
Boiling Point:	> 95.00 F (35.0 C)			
Decomposition Temperature				
Autoignition Pt:	No data.			
Flash Pt:	> 195.00 F (90.6 C) Method Used: Pensky-Marten Closed Cup			
Explosive Limits:	LEL: NE UEL: NE			
Specific Gravity (Water = 1):	~ .95 - 1.05			
Density:	~ 7.923 - 8.757 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	NE			
Concentration:				
Percent Volatile:	N.A.			
VOC / Volume:	NP			
	10. Stability and Reactivity			
Reactivity:	Avoid: acids, Avoid uncontrolled contact with isocyanates. Avoid: Uncontrolled reactions with epoxies.			
Stability:	Unstable [] Stable [X]			
Conditions To Avoid - Instability:	Extreme temperatures.			
Incompatibility - Materials To Avoid:	Avoid strong acids, bases, and oxidizing agents.			
Hazardous Decomposition O Byproducts:	r Thermal decomposition may produce smoke, carbon monoxide, carbon dioxide, aldehydes. Nitrogen 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.			

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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 Toxicological Characteristics:	May cause sensitization by skin contact. May cause skin irritation or burns. Can cause eye irritation or burns.			
Chronic Toxicological Effects:	Skin sensitization.			
	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 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.			
	substance/product into sewage system.			
	14. Transport Information			
LAND TRANSPORT (US DOT) DOT Proper Shipping Nar	14. Transport Information			
	14. Transport Information Image: Amines, Liquid, Corrosive n.o.s. (Contains Modified Aliphatic Amines) 8 CORROSIVE UN2735 Packing Group:			
DOT Proper Shipping Nar DOT Hazard Class: UN/NA Number: Precautionary Label:	14. Transport Information ine: Amines, Liquid, Corrosive n.o.s. (Contains Modified Aliphatic Amines) 8 CORROSIVE UN2735 Packing Group: Il Corrosive! Damages skin and eyes. May cause sensitization by skin contact. May the harmful if swallowed.			
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		15. Regulator	y Informatio	n	
EPA SARA (Sı	perfund Amendn	nents and Reauthorization Act o	of 1986) Lists		
CAS #	Hazardous Com	ponents (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
1477-55-0	1,3-Benzenedimethanamine		No	No	No
98-54-4	4-tert-Butylphenol		No	No	No
1761-71-3	Cyclohexylamine	, 4,4'-methylenebis-	No	No	No
25513-64-8	1,6-Hexanediami	ine, 2,2,4(or 2,4,4)-trimethyl-	No	No	No
135108-88-2 Formaldehyde, polymer with benzenamine, hydrogenated		olymer with benzenamine,	No	No	No
for SARA Title 311/312 as inc		[X] Yes [] No Chronic (del [X] Yes [] No Fire Hazard [] Yes [X] No Sudden Rele [] Yes [X] No Reactive Ha	ease of Pressure		
Regulatory In Revision Date		SARA Section 311/312: Acut 16. Other Ir 08/04/2020		h Hazard.	
Hazard Ratin	g System: HMIS:	HEALTH3FLAMMABILITY1PHYSICAL0PPEX			
Additional Inf This Product: Company Pol Disclaimer:	:	t CA=CIRCA NA=NOT AVAIL NP= NOT APPLICABLE PR= The information contained in of the date hereof; however warranty in respect to the acc recommendations, and assur	PROPRIETARY this MSDS is take the Key Resin Co curacy of the infor	TS=TRADE SEC en from sources b ompany makes no rmation or the sui	CRET ?=UNKNOWN. believed to be accurate as b expressed or implied tability of the