

## TECHNICAL DATA SHEET

## **DESCRIPTION:**

MRAP-SFC provides a professional solution to concrete flooring issues. With its fast cure, low odor and viscosity properties it is ideal for treating new or existing floors where high moisture levels are present. Enjoy deeper penetration of the substrate providing superior adhesion as well as increased protection against future water drive throughs when compared with traditional epoxy products – all in one coat!

#### RECOMMENDED USES:

Our product is the ideal choice for an expansive variety of applications. It offers unparalleled moisture-blocking capabilities, making it perfect for areas such as mechanical rooms, shop floors and pharmaceutical plants; Additionally our technology can be used under any coatings that show concrete contamination or underneath various floorings including carpet, wood and vinyl. Furthermore this multi-purpose solution provides enhanced protection in specialities areas like laboratories animal care facilities loading docks retail stores institution buildings multiple unit housing & more!

### **ADVANTAGES**:

This groundbreaking product provides unparalleled protection for concrete slabs as it boasts a 100% solid solution that is low VOC and odor, has vapor control capacity in high moisture or pH environments, serves as a one-coat inhibitor to stop excess moisture from seeping through the surface of your slab. Additionally, its excellent adhesion properties help keep any applied coating firmly anchored while boasting standard drying times. Finally this revolutionary answer incorporates insightfully designed viscosity levels tailored specifically to reach deeper into even the most difficult subsurface areas!

#### SURFACE PREPARATION:

CHECK FOR MOISTURE: Before installing this floor-coating material, it is essential that the concrete substrate be completely dry. Moisture testing must occur to ensure Calcium chloride or "In-situ" Relative Humidity readings remain below a predetermined threshold for safe installation of BallistiX systems on concrete substrates.

CHECK THE TEMPERATURE & HUMIDITY: It's essential to check the temperature and humidity before proceeding with a coat. Floor temperatures should be in the range of 65-90°F (18-32°C), while humidities must remain below 95%. It is especially important not to apply coating until floor temps are at least 50 F above dew point!

SURFACE PREPARATION: To optimize performance, this product requires proper surface preparation. The substrate must feature the appropriate mechanical profile for the application (as stated in ASTM 4259-83), and be free from contaminants with no visible defects or moisture present.

APPLICATION EQUIPMENT: Equip yourself with the right tools to complete any project - a 3" disposable brush, low speed drill (450 rpm) equipped with a dynamic 3.5" jiffler blade and perfect-finish nap of around three eighths inches.



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## **MIXING:**

To create a uniform consistency, mix the two portions of your 3 gallon kit separately and at temperatures between 70°F - 80° F (20-25 °C). When both components are prepped, add Side B into Side A in a bucket sized for 3.5 gallons to amalgamate them thoroughly until no streaking is observed—thinning should be avoided here! Remember that precise measurements of each side will guarantee optimal product performance; trotting from one container to another during mixing is an effective way of guaranteeing complete combination. All you need now? Just 2 minutes and voila!

## **APPLICATION:**

After carefully blending all ingredients, expertly pour the mixture onto a flat surface. Use a squeegee to ensure its even distribution and use a wet-film thickness gauge to get your desired effect. To complete the look, utilize both back-rolling and cross rolling techniques before allowing it to dry for 4 hours minimum prior to any additional coats being applied.

### **TECHNICAL DATA**

PACKAGING	3 gallons	
COLOR	Clear	
RECOMMENDED THICKNESS	16 mils 100 ft²/gal	
SHELF LIFE	Parts A and B: 12 months in original unopened factory sealed containers.  Protect from freezing. Part C: 6 months in original unopened packaging.  Store dry between 50-110°F (10-44°C).	
MIX RATIO	Mix full units only	
POT LIFE	10 - 15 minutes	
VOC (G/L)	<5 g/l	
APPLICATION TEMPERATURE	45°F (7°C) min. / 86°F (30°C) max.	
SERVICE TEMPERATURE	-40°F (-40°C) min. / 248°F (120°C) max.	

#### **PROPERTIES**

@ 73°F (23°C) AND 50% R.H.

DENSITY	9.0 lb/ga
VISUAL APPEARANCE	High Gloss
CURING DETAILS	4h



# MRAP-FC FAST CURE MVB

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THINNER RECOMMENDED	Xylene	
SOFTENING POINT	266°F (130°C)	
ABRASION RESISTANCE, ASTM D4060 TABER ABRASER CS-17 WHEEL / 1000G (2.2 LBS.) / 1000 CYCLES	30 mg loss	
BOND STRENGTH, ASTM D4541	> 1.9 MPA (275 psi) (substrate failure)	
COEFFICIENT OF THERMAL EXPANSION ASTM D696	0.89x10-5 in/in/°F (1.6x10-5 mm/mm/°C)	
TENSILE STRENGHT D2370	7500 psi	
WATER ABSORPTION ASTM C413	<0.1%	
IMPACT RESISTANCE	160 in/lb	
RESISTANCE TO MOLD GROWTH, ASTM D3273	Rated 10 (highest resistance)	
RESISTANCE TO FUNGI GROWTH, ASTM G21	Rated O (no growth)	
HARDNESS, SHORE D	70-80	
FLOW	325 mm (12.80 in)	
COEFFICIENT OF FRICTION, ASTM D2047	0.7 smooth	
INDENTATION MIL-PRF-24613	O%	
THERMAL COMPATIBILITY, ASTM C884	Pass	
COMPRESSION ASTM S695	10000 psi	
FLEXURAL STRENGTH ASTM C580	16.2 MPa (2350 psi)	

<sup>\*</sup> Times are approximate and will be affected by changing ambient conditions, especially changes in temperature and relative humidity.

### **HEALTH & SAFETY:**

Components A, B, and C of this product contain toxic ingredients that may provoke serious health risks upon contact. In case of skin or eye contact with any part of this product it is recommended to wash thoroughly with water and soap for at least 15 minutes respectively. Inhalation and prolonged exposure can cause severe burns on body parts as well respiratory problems; in such circumstances fresh air should be provided immediately while removing contaminated clothes prior them being reused again after cleaning. For best precautionary measures always wear chemical resistant gloves alongside protective eyewear when using this strong sensitizer as vapors emitted from its use might be dangerous if inhaled without protection equipment like a NIOSH/MSHA approved breathing apparatus filtering organic vapors suitable ventilation must also be predicted beforehand.

### NOTICE:

BallistiX strives to provide the most accurate materials and information for our users. Our technology is only applicable in combination with specific material designated herein, so please verify suitability of this product prior to use.

<sup>\*</sup> The indicated mileage is calculated for flat surfaces. A porous or imperfect surface will require more material in order to cover the same mileage. \*



## SAFETY DATA SHEET PART A

## SECTION 1 IDENTIFICATION

Product identifier	MRAP A
Other means of identification	None
Recommended use and restrictions on use	Construction product / Refer to technical information
Initial supplier identifier	Meghan's Supply & Design // BallistiX 11720Main St Suite 120,Fredericksburg, VA 22408, United States +1540-940-6698
Emergency telephone number/restriction on use	USA - INFOTRAC - 24 Hour Number 1800-535-5053

## SECTION 2 HAZARD IDENTIFICATION

Classification of hazardous product (name of the category or subcategory of the hazard class) Skin Sensitizer Category 1B Chronic aquatic toxicity Category 2 Acute aquatic toxicity Category 3 Acute toxicity Dermal Category 5

Information elements

(symbols, signal words, hazard statements and precautionary statements of the category/subcategory)





DANGER

H313 May be harmful in contact with skin H317 May cause an allergic skin reaction H402 Harmful to aquatic life

H411Toxic to aquatic life with long lasting effects

P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P103 Read label before use. P261 Avoid breathing dust/fume/gas/mist/vapors/spray. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves/protective clothing/eye protection/face protection. P273 Avoid release to the environment. P302 +P352 IF ON SKIN: Wash with plenty of water. P333 +P313 If skin irritation or a rash occurs: Get medical advice/attention. P321 Specific treatment (see section 4 on this SDS). P362 +P364 Take off contaminated clothing. And wash it before reuse. P391 Collect spillage. P312 Call a POISON CENTER/doctor if you feel unwell. P501 Dispose of contents/ container to an approved waste disposal plant.

Other Hazards Known None



SUPER FAST CURE MVB

## SAFETY DATA SHEET PART A

## SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name (common name/synonyms)	CAS NUMBER or other	Concentration (%)
BISPHENOL A EPOXY RESIN	0025085-99-8	47 - 86
BISPHENOL F EPOXY RESIN	0028064-14-4	9 - 17
ETHYL HEXYL GLYCIDYLETHER, 2-	0002461-15-6	8 – 14
BENZYL ALCOHOL	0000100-51-6	2 -4
DIPROPYLENE GLYCOL METHYL ETHER ACETATE	0088917-22-0	1.7 -3

All ingredients are listed according to OSHA (29 CFR).

### **SECTION 4 FIRST AID MEASURES**

Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. If exposed/feel unwell/concerned: Call a POISON CENTER/doctor.		
Ingestion	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. NEVER give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Rinse mouth thoroughly with water. Have victim drink two glasses of water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Call a doctor if you feel unwell.		
Skin contact	IF ON SKIN: wash with plenty of water (15–20minutes).IF SKIN irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.		
Eye contact	IF IN EYES, Rinse cautiousl do.Continue rinsing.	y with water for several minutes (15–20).Removecontact lenses, if present and easy to	
Most importan	it symptoms and effects d)	Causes severe skin, respiratory or digestive tract burns and eye damage.	
Indication of in attention/spec	nmediate medical cial treatment	In all cases, call a doctor. Do not forget this document.	

## **SECTION 5 FIREFIGHTING MEASURES**

Specific hazards of the hazardous product (hazardous combustion products)	Excessive pressure or temperature may cause explosive rupture of containers.
Suitable and unsuitable extinguishing media	In case of fire: Use carbon dioxide, chemical powder agent and appropriate foam to extinguish surrounding products.
Special protective equipment and precautions for fire-fighters	During a fire, irritating/toxic smoke and fumes may be generated. Do not enter fire area without proper protection. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece. Shield personnel to protect from venting, rupturing or bursting cans. Move containers from fire area if it can be done without risk. Water spray may be useful in cooling equipment and cans exposed to heat and flame.

## **SECTION 6 ACCIDENTAL RELEASE MEASURES**

Personal precautions,	Absorb spillage to prevent material-damage. Restrict access to area until completion of clean-
protective equipment	up. Ensure clean-up is conducted by trained personnel only. All persons dealing
and emergency procedures	with clean-up should wear the appropriate protective equipment (See Section 8).
Methods and materials for containment and cleaning up	Ventilate area of release. Stop the leak if it can be done safely. Contain and absorb any spilled liquid concentrate with inert absorbent material, then place material into a container for later disposal (see Section 13). Contaminated absorbent material may pose the same hazards as the spilled product. Notify the appropriate authorities as required.

<sup>\*</sup> Statement This safety data sheet provides concentration range(s) instead of the actual concentration(s) considered trade secret(s).



## SAFETY DATA SHEET PART A

## **SECTION 7 HANDLING AND STORAGE**

Precautions for safe handling Wear protective gloves/ protective clothing/ eye protection/ face protection.

Before handling, it is very important that engineering controls are operating, and that protective equipment requirements and personal hygiene measures are being followed. People working with this chemical should be properly trained regarding its hazards and its safe use. Inspect containers for leaks before handling. Label containers appropriately. Ensure proper ventilation. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with eyes, skin and clothing. Keep away from heat, sparks and flame. Avoid generating high concentrations of dusts, vapors or mists. Keep away from incompatible materials (Section 10). Keep containers closed when not in use. Empty containers are always dangerous. Refer also to Section 8.

Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up. Store away from incompatible materials (Section 10). Inspect all incoming containers to make sure they are properly labelled and not damaged. Storage area should be clearly identified, clear of obstruction and accessible only to trained personnel. Inspect periodically for damage or leaks.

## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters (biological limit values or exposure limit values and source of those values)	Exposure limits: None known
Appropriate engineering controls	Use under well-ventilated conditions. Local exhaust ventilation system is recommended to maintain concentrations of contaminants below exposure limits. Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.
Individual protection measures/personal protective equipment	Respiratory protection is required if the concentrations are higher than the exposure limits. Use a NIOSH approved respirators if the exposure limits are unknown. Chemically protective gloves (impervious), and other protective clothing to prevent prolonged or repeated skin contact, must be worn during all handling operations. Wear protective chemical splash goggles to prevent mists from entering the eyes. Wash hands/nails/face thoroughly after handling. Do not eat, drink or smoke when using this product. Practice good personal hygiene after using this material. Remove and wash contaminated work clothing before re-use.

### **SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Appearance / color	Clear liquid	vapor pressure	Not available
odor	Odorless	vapor density	Not available
odor threshold	Not available	Relative density	9.35 lb/gal
pH	Not available	Solubility	Not available
Melting point / Freezing point	Not available	Partition coefficient of n-octanol/water	Not available
Initial boiling point/ranges	Not available	Auto-ignition temperature	Not available
Flash point	>199.4°F (93°C)	Decomposition temperature	Not available
Evaporation rate	Not available	Viscosity	Not available
Flammability (solid, gas)	Not available	VOC	0.47 lb/gal
Upper/Lower flammability or explosive limits	Not available	Other	None know



## SAFETY DATA SHEET PART A

## **SECTION 10 STABILITY AND REACTIVITY**

Reactivity	Does not react under the recommended storage and handling conditions prescribed.	
Chemical Stability	Stable under the recommended storage and handling conditions prescribed.	
Possibility of hazardous reactions	None known	
Conditions to avoid Heat, high temperature, open flame, sparks, and moisture. Contact with inco (static discharge, shock or vibration) rials in a closed system will cause buildupof pressure.		
Incompatible materials	Oxidizing materials; etc.	
Hazardous decomposition products	Combustion products: organic vapors and thermal decomposition fragments.	

### SECTION 11TOXICOLOGICAL INFORMATION

SECTION 1110XICOLOGICAL INTOXINATION		
Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)	May be harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction.	
Symptoms related to the physical, chemical and toxicological characteristics	Skin irritation, redness, stinging, pain; Eye irritation, redness, tearing;	
Delayed and immediate effects (chronic effects from short-term and long- term exposure)	Skin Sensitization – Possible; Respiratory Sensitization – Exposure may cause mucous membrane and respiratory tract irritation, tightness of chest, headache, shortness of breath, and a dry cough. The effects of acute exposure may be delayed in onset up to 12–24hours. Repeated exposure above current occupational limits may cause an allergic sensitization of the respiratory tract. This is characterized by an asthma-like response upon re-exposure to the chemical. The symptoms may include coughing,wheezing, shortness of breath and chest tightness. May cause an allergic skin reaction; Germ Cell Mutagenicity – No data available; Carcinogenicity – No ingredient listed by IARC, ACGIH, NTP or OSHA; Reproductive Toxicity – No data available; Specific Target Organ Toxicity — Single Exposure – No data available; Specific Target Organ Toxicity — Repeated Exposure – Repeated exposure generally aggravates the following medical conditions: Cardiovascular disease and Chronic respiratory disease.; Aspiration Hazard – No data available; Health Hazards Not Otherwise Classified – No data available.	
Acute toxicity	Ingestion: Irritation or chemical burns of the mouth, pharynx, esophagus and stomach can develop following ingestion. 0000100–51–6BENZYL ALCOHOL; LC50(Inhalation, rat): >500 mg/m3; Toxic effects: Behavioral –somnolence (general depressed activity) Behavioral – ataxia Lungs, Thorax, or Respiration –respiratory depression; LD50(Dermal, rabbit): 2000 mg/kg; LD50(Oral. rat): 1230 mg/kg; Toxic effects: Behavioral –somnolence (general de-	

## **SECTION 12 ECOLOGICAL INFORMATION**

Ecotoxicity (aquatic and terrestrial information)	Harmful to aquatic life. Toxic to aquatic life with long lasting effects
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available.
Other adverse effects	No data available

pressed activity) Behavioral -excitement Behavioral -coma

### SECTION 13 DISPOSAL CONSIDERATIONS

Information on safe handling for disposal/methods of disposal/contaminated packaging

Dispose of contents/container into safe container in accordance with local, regional or national regulations.



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## SAFETY DATA SHEET PART A

### SECTION 14TRANSPORT INFORMATION

UN number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations: UN3082; ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN); CLASS 9; PG III

UN Number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime): UN3082; ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN); CLASS 9; PG III

UN Number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air): UN3082; ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(EPOXY RESIN); CLASS 9; PG III

Special Precautions (transport/conveyance):May also be shipped as a LIMITED QUANTITY in accordance with TDG. Environmental hazards (IMDG or other): Marine Pollutant
Bulk transport (usually more than 450L in capacity): Possible

## **SECTION 15 REGULATORY INFORMATION**

Safety/health regulations specifics	Refer to Section 2 for the appropriate classification. This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).
Environmental regulations specifics	Refer to Section 3 for ingredient(s) of the DSL
Safety/health/environmental	United States OSHA information: This product is regulated according to OSHA (29 CFR).
outside regulations specifics Bioaccumulative potential	United States EPA (Environmental Protection Agency) information: 40 CFR Refer to the ingredients listed in Section 3 & Sections 12;13 & 14.
	United States TCSA information:Refer to the ingredients listed in Section 3.
National Fire Protection Association (NFPA)	HEALTH: 3 FLAMMABILITY: 1 INSTABILITY: 0 SPECIAL HAZARDS: Refer to Section 2 & 3.
	HAZARD SCALE: 0 =Minimal 1=Slight 2 =Moderate 3 =Serious 4 =Severe

### **SECTION 16 OTHER INFORMATION**

Date of the latest revision of the safety data sheet	June 16,2022 version 2	
Corrections	SDS Template modifications	
References	Safety Data Sheets from manufacturer/supplier	
Abbreviations	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
	TLV	Threshold Limit Value
	TSCA	Toxic Substances Control Act
	TWA	Time Weighted Average
	WHMIS	Workplace Hazardous Materials Information System

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknownhazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



SUPER FAST CURE MVB

## SAFFTY DATA SHFFT PART B

### SECTION 1-IDENTIFICATION

Product identifier	MRAP-SFC B
Other means of identification	None
Recommended use and restrictions on use	Construction product / Refer to technical information
Initial supplier identifier	Meghan's Supply & Design // BallistiX 11720Main St Suite 120,Fredericksburg, VA 22408, United States +1540-940-6698
Emergency telephone number/restriction on use	USA – INFOTRAC – 24 Hour Number 1800–535–5053

#### SECTION 2 - HAZARD IDENTIFICATION

Classification of hazardous product (name of the category or subcategory of the hazard class) Acute aquatic toxicity -Category 2 Acute toxicity Dermal -Category 5 Acute toxicity Oral -Category 4 Chronic aquatic toxicity -Category 2 Reproductive Toxicity -Category 1B Serious Eye Damage -Category 1 Skin Corrosion -Category 1B Skin Sensitizer -Category 1 Specific Target Organ Toxicity -Repeated Exposure -Category 2

Information elements

(symbols, signal words, hazard statements and precautionary statements of the category/subcategory)









DANGER

H302 Harmful if swallowed

H313 May be harmful in contact with skin H360 May damage fertility or the unborn child.

H318Causes serious eye damage

H314Causes severe skin burns and eye damage

H317May cause an allergic skin reaction

H373 May cause damage to organs through prolongedor repeated exposure.

P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P103 Read label before use, P273 Avoid release to the environment, P264 Wash thoroughly after handling, P270 Do not eat, drink or smoke when using this product. P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood.P280 Wear protective gloves/protective clothing/eye protection/face protection. P260 Do not breathe dust/fume/gas/ mist/vapors/spray. P261 Avoid breathing dust/fume/gas/mist/vapors/spray. P272 Contaminated work clothing should not be allowed out of the workplace.P312 Call a POISON CENTER/doctor if you feel unwell.P301 +P312 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. P330 Rinse mouth. P391 Collect spillage. P308 +P313 IF exposed or concerned: Get medical advice/attention. P305 +P351 +P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing, P310 Immediately call a POISON CENTER or doctor. P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting, P303 +P361 +P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. P363 Wash contaminated clothing before reuse. P304 +P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. 321 Specific treatment (see section 4 on this SDS). P302 +P352 IF ON SKIN: Wash with plenty of water. P333 +P313 If skin irritation or a rash occurs: Get medical advice/attention. P362 +P364 Take off contaminated clothing. And wash it before reuse. P314 Get Medical advice/attention if you feel unwell. H401 Toxic to aquatic life. H411Toxic to aquatic life with long lasting effects P405 Store locked up. P501 Dispose of contents/ container to an approved waste disposal plant.

Other Hazards Known

None



SUPER FAST CURE MVB

## SAFETY DATA SHEET PART B

## SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name (common name/synonyms)	CAS NUMBER or other	Concentration (%)
CYCLOALIPHATIC AMINE	Secret	39 -72
EPOXY POLYAMINE ADDUCT	N/A	12 - 22
PARATERTIARYBUTYLPHENOL	0000098-54-4	8 - 15
ISOPHORONEDIAMINE	0002855-13-2	8 - 14
4-NONYLPHENOL BRANCHED	0084852-15-3	1.7 -3
POLYOXYPROPYLENEDIAMINE	0009046-10-0	1.4 -2

All ingredients are listed according to OSHA (29 CFR).

## **SECTION 4 - FIRST AID MEASURES**

Inhalation	IF INHALED: Remove source of exposure or move person to fresh air and keep comfortable for breathing. If exposed/feel unwell/concerned:Call a POISON CENTER/doctor.	
Ingestion	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. NEVER give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Rinse mouth thoroughly with water. Have victim drink two glasses of water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Call a doctor if you feel unwell.	
Skin contact	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water (15-20minutes). Wash contaminated clothing before reuse.	
Eye contact	IF IN EYES, Rinse cautiously with water for several minutes (15-20).Removecontact lenses, if present and easy to do. Continue rinsing.	
Most important (acute and delayed	t symptoms and effects ()	Causes severe skin, respiratory or digestive tract burns and eye damage.
Indication of im attention/speci	mediate medical ial treatment	In all cases, call a doctor. Do not forget this document.

## **SECTION 5 - FIREFIGHTING MEASURES**

Specific hazards of the hazardous product (hazardous combustion products)	Carbon oxides and other irritant/toxic gases and fumes.
Suitable and unsuitable extinguishing media	In case of fire: Use carbon dioxide, chemical powder agent and appropriate foam to extinguish surrounding products.
Special protective equipment and precautions for fire-fighters	During a fire, irritating/toxic smoke and fumes may be generated. Do not enter fire area without proper protection. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece. Shield personnel to protect from venting, rupturing or bursting cans. Move containers from fire area if it can be done without risk. Water spray may be useful in cooling equipment and cans exposed to heat and flame.

## **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Personal precautions,	Absorb spillage to prevent material-damage.Restrict access to area until completion of clean-
protective equipment	up. Ensure clean-up is conducted by trained personnel only. All persons dealing
and emergency procedures	with clean-up should wear the appropriate protective equipment (See Section 8).
Methods and materials for containment and cleaning up	Ventilate area of release. Stop the leak if it can be done safely. Contain and absorb any spilled liquid concentrate with inert absorbent material, then place material into a container for later disposal (see Section 13). Contaminated absorbent material may pose the same hazards as the spilled product. Notify the appropriate authorities as required.

<sup>\*</sup> Statement -This safety data sheet provides concentration range(s) instead of the actual concentration(s) considered trade secret(s).



SUPER FAST CURE MVB

## SAFFTY DATA SHFFT PART B

#### SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling

Wear protective gloves/ protective clothing/ eye protection/ face protection.

Before handling, it is very important that engineering controls are operating, and that protective equipment requirements and personal hygiene measures are being followed. People working with this chemical should be properly trained regarding its hazards and its safe use. Inspect containers for leaks before handling. Label containers appropriately. Ensure proper ventilation. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with eyes, skin and clothing. Keep away from heat, sparks and flame. Avoid generating high concentrations of dusts, vapors or mists. Keep away from incompatible materials (Section 10). Keep containers closed when not in use. Empty containers are always dangerous. Refer also to Section 8.

Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up. Store away from incompatible materials (Section 10). Inspect all incoming containers to make sure they are properly labelled and not damaged. Storage area should be clearly identified clear of obstruction and accessible only to trained personnel. Inspect periodically for damage or leaks.

## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters (biological limit values or exposure limit values and source of those values)	Exposure limits: None known
Appropriate engineering controls	Use under well-ventilated conditions. Local exhaust ventilation system is recommended to maintain concentrations of contaminants below exposure limits. Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.
Individual protection measures/personal protective equipment	Respiratory protection is required if the concentrations are higher than the exposure limits. Use a NIOSH approved respirators if the exposure limits are unknown. Chemically protective gloves (impervious), and other protective clothing to prevent prolonged or repeated skin contact, must be worn during all handling operations. Wear protective chemical splash goggles to prevent mists from entering the eyes. Wash hands/nails/face thoroughly after handling. Do not eat, drink or smoke when using this product. Practice good personal hygiene after using this material. Remove and wash contaminated work clothing before re-use.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance / color	Light yellow liquid	vapor pressure	Not available
odor	Characteristic	vapor density	Not available
odor threshold	Not available	Relative density	Not available
pH	Not available	Solubility	Not available
Melting point / Freezing point	Not available	Partition coefficient of n-octanol/water	Not available
Initial boiling point/ranges	Not available	Auto-ignition temperature	Not available
Flash point	100°C	Decomposition temperature	Not available
Evaporation rate	Not available	Viscosity	Not available
Flammability (solid, gas)	Not available	voc	Not available
Upper/Lower flammability or explosive limits	Not available	Other	None know



## SUPER FAST CURE MVB

## SAFETY DATA SHEET PART B

### **SECTION 10 - STABILITY AND REACTIVITY**

Reactivity	Does not react under the recommended storage and handling conditions prescribed.	
Chemical Stability	Stable under the recommended storage and handling conditions prescribed.	
Possibility of hazardous reactions	None known	
Conditions to avoid (static discharge, shock or vibration)	Heat, high temperature, open flame, sparks, and moisture. Contact with incompatible materials in a closed system will cause buildupof pressure.	
Incompatible materials	This product will react with epoxies, isocyanates, and strong oxidizing agents.	
Hazardous decomposition products	Combustion products: organic vapors and thermal decomposition fragments.	

## SECTION 11-TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)	Causes severe skin burns and eye damage. Any contact should not be left untreated. Causes serious eye damage. Exposure may cause mucous membrane and respiratory tract irritation, tightness of chest, headache, shortness of breath, and a dry cough. The effects of acute exposure may be delayed in onset up to 12–24hours. Repeated exposure above current occupational limits may cause an allergic sensitization of the respiratory tract. This is characterized by an asthma–like response upon re–exposureto the chemical. The symptoms may include coughing, wheezing, shortness of breath and chest tightness. May cause an allergic skin reaction	
Symptoms related to the physical, chemical and toxicological characteristics	Skin burn, redness, stinging, pain; Eye burn, redness, tearing; Digestive tract burn; Respiratory tract burn, coughing, shortness of breath, dizziness, drowsiness, nausea and headaches.	
Delayed and immediate effects (chronic effects from short-term and long- term exposure)	Skin Sensitization – Possible; Respiratory Sensitization – No data available; Germ Cell Mutagenicity – No data available; Carcinogenicity – No ingredient listed by IARC, ACGIH, NTP or OSHA; Reproductive Toxicity – May damage fertility or the unborn child; Specific Target Organ Toxicity — Single Exposure – No data available; Specific Target Organ Toxicity — Repeated Exposure – generally aggravates the following medical conditions: Cardiovascular disease and Chronic respiratory disease. May cause damage to organs through prolonged or repeated exposure.; Aspiration Hazard – No data available; Health Hazards Not Otherwise Classified – No data available.	
Acute Toxicity	If ingested: In humans, irritation or chemical burns of the mouth, pharynx, esophagus and stomach can develop following ingestion, and injury may be severe and cause death. May be harmful in contact with skin Harmful if swallowed.  0009046-10-0POLYOXYPROPYLENEDIAMINE; LD50 (dermal, rabbit): 2090 mg/kg (based on raw material SDS); LD50 (oral, rat): 480 mg/kg (based on raw material SDS); 0002855-13-2 ISOPHORONEDIAMINE; LD50 (rat, oral): 1,030 mg/kg (based on raw material SDS)	

### **SECTION 12 - ECOLOGICAL INFORMATION**

Ecotoxicity (aquatic and terrestrial information)	Toxic to aquatic life. Toxic to aquatic life with long lasting effects
Persistence and degradability	No data available
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	No data available.

## SECTION 13 - DISPOSAL CONSIDERATIONS

Information on safe handling for disposal/methods of disposal/contaminated packaging

Dispose of contents/container into safe container in accordance with local, regional or national regulations.



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### SECTION 14-TRANSPORT INFORMATION

UN number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations:
UN2735; UN Proper Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. (ISOPHORONEDIAMINE); CLASS 8; PG III

UN Number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime): UN2735; UN Proper Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. (ISOPHORONEDIAMINE); CLASS 8; PG III

UN Number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air): UN2735; UN Proper Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S. (ISOPHORONEDIAMINE); CLASS 8; PG III

Special Precautions (transport/conveyance):None Environmental hazards (IMDG or other): Marine Pollutant Bulk transport (usually more than 450L in capacity): Possible

#### SECTION 15 - REGULATORY INFORMATION

Safety/health regulations specifics	Refer to Section 2 for the appropriate classification. This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).	
Environmental regulations specifics	Refer to Section 3 for ingredient(s) of the DSL	
Safety/health/environmental outside regulations specifics Bioaccumulative potential	United States OSHA information: This product is regulated according to OSHA (29 CFR).  United States EPA (Environmental Protection Agency) information: 40 CFR Refer to the ingredients listed in Section 3 & Sections 12;13 & 14.  United States TCSA information: Refer to the ingredients listed in Section 3.	
National Fire Protection Association (NFPA)	HEALTH: 3 FLAMMABILITY: 1 INSTABILITY: 0 SPECIAL HAZARDS: Refer to Section 2 & 3.  HAZARD SCALE: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe	

## **SECTION 16 - OTHER INFORMATION**

Date of the latest revision of the safety data sheet	June 16,2022 version 2  SDS Template modifications  Safety Data Sheets from manufacturer/supplier	
Corrections		
References		
Abbreviations	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 Threshold Limit Value Toxic Substances Control Act Time Weighted Average

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknownhazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.