

SAFETY DATA SHEET

Date Issued : 12/16/2019

SDS No : AST CF-100 A

Date Revised : 08/12/2020

Revision No : 1

American Safety Technologies CF-100 - Part A

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: American Safety Technologies CF-100 - Part A

ALTERNATE TRADE NAME(S): 840 Gray, Red, Dark Blue 320, Navy Blue 337

MANUFACTURER

Holcim Solutions and Products US, LLC
26 Century Boulevard, Suite 205
Nashville, Tennessee 37214
1-800-878-7876 • www.holcimast.com

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (US Transportation): (800) 424-9300
International: (703) 527-3887

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Skin Corrosion, Category 2
Serious Eye Damage, Category 2
Skin Sensitization, Category 1

Environmental:

Chronic Hazards to the Aquatic Environment, Category 2

Physical:

Not classified

GHS LABEL



Exclamation mark
Environment

SIGNAL WORD: WARNING

HAZARD STATEMENTS

H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H411: Toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

Prevention:

P102: Keep out of reach of children.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
0694QGXXV: Wash hands thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
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.

Response:

P302+P350: IF ON SKIN: Gently wash with plenty of soap and water.

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P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P337+P313: If eye irritation persists: Get medical advice/attention.

P362+P364: Take off contaminated clothing and wash it before reuse.

P391: Collect spillage.

Storage:

0283SIXF: Store away from incompatible materials.

Disposal:

5207XY7K: Dispose of contents/container according to local, regional, national, and international regulations.

HAZARDS NOT OTHERWISE CLASSIFIED: None known.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Bisphenol A/epichlorohydrin Resin	30 - 60	25068-38-6
Barium Metaborate	5 - 10	13701-59-2
Phthalo Blue Pigment	1 - 5	147-14-8
Titanium Dioxide	1 - 5	13463-67-7

4. FIRST AID MEASURES

EYES: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention if irritation develops and persists.

SKIN: Remove contaminated clothing. Wash the affected area immediately with large amounts of soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash clothing before reuse.

INGESTION: Rinse mouth. Get medical advice/attention if symptoms occur or you feel unwell.

INHALATION: Remove person to fresh air. Seek medical attention if discomfort persists.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Severe eye irritation - symptoms include stinging, tearing, redness, swelling, and blurred vision.

SKIN: May cause skin irritation; redness, pain, allergic skin reaction, dermatitis, rash.

NOTES TO PHYSICIAN: Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

ADDITIONAL INFORMATION: If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this SDS to the doctor in attendance.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Class IIIB

GENERAL HAZARD: Combustible Liquid.

EXTINGUISHING MEDIA: Water Fog, Foam, Dry Chemical Powder, Carbon Dioxide (CO₂).

OTHER CONSIDERATIONS: Do not use water jet as an extinguisher, as this will spread the fire.

FIRE FIGHTING PROCEDURES: Use standard firefighting procedures and consider the hazards of other involved materials.

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In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do without risk. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire.

FIRE FIGHTING EQUIPMENT: As in any fire, wear Self-Contained Breathing Apparatus (SCBA) MSHA/NIOSH approved or equivalent and full protective clothing.

FIRE EXPLOSION: No unusual fire or explosion hazards noted.

HAZARDOUS DECOMPOSITION PRODUCTS: During fire, gases hazardous to health may be formed

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material on absorbent, such as sawdust or vermiculite, and sweep into closed containers for disposal. Do not flush to sewer. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for disposal. Only those persons who are adequately trained, authorized, and wearing the appropriate personal protective equipment (PPE) should participate in spill response and clean-up.

LARGE SPILL: Keep spectators away. Only those persons who are adequately trained, authorized and wearing the required personal protective equipment (PPE) should participate in spill response and clean-up. Know and prepare for spill response before using or handling this product. Dike and contain spill with inert material (e.g. sand, earth). Transfer liquids to covered and labeled containers for disposal. Use appropriate PPE. Place absorbent diking materials in covered containers for disposal. Prevent contamination of sewers, streams, and groundwater with spilled material or used absorbent.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Avoid run-off into storm drains, ditches and waterways.

RELEASE NOTES: Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: For professional or industrial use only. Follow label instructions. Keep out of the reach of children. Not for consumption. No smoking. Do not breathe vapors. Avoid contact with body. Empty containers must not be washed and re-used for any purpose. Contact lens wearers must wear protective eye wear around chemical vapors and liquid. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

STORAGE: Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
Chemical Name	EXPOSURE LIMITS			
	Type		ppm	mg/m ³
Bisphenol A/epichlorohydrin Resin	OSHA PEL	STEL	NL ^[1]	NL ^[1]
Barium Metaborate	OSHA PEL	TWA		0.5 mg/m ³
	ACGIH TLV	TWA		0.5 mg/m ³
Phthalo Blue Pigment	ACGIH TLV	TWA	[2]	1 mg/m ³ [2]
		TWA	[3]	0.2 mg/m ³ [3]
Titanium Dioxide	OSHA PEL	TWA	NL ^[1]	15 T ^[1]
		STEL	NL ^[1]	NL ^[1]
	ACGIH TLV	TWA	NL ^[1]	10 ^[1]
		STEL	NL ^[1]	NL ^[1]

Footnotes:

1. NL = Not Listed
2. dust and fume
3. fume

ENGINEERING CONTROLS: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields, goggles or full-face shield as required by 29 CFR 1910.133 - OSHA Eye and Face Protection Standard. A suitable emergency eye wash station and safety shower should be located near the work station.

SKIN: Wear chemical resistant, impervious gloves.

RESPIRATORY: Where vapor concentrations exceed or are likely to exceed the occupational exposure limits, a NIOSH approved continuous flow supplied air respirator, hood or helmet is recommended. A NIOSH approved self-contained positive pressure breathing apparatus with full face piece is required for spills and/or emergencies.

A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

PROTECTIVE CLOTHING: Chemical resistant gloves and normal work clothing (long sleeved shirt and long pants). Use of impervious apron is recommended.

WORK HYGIENIC PRACTICES: Use good hygiene practices when handling this material. Wash hands thoroughly after use before eating, drinking and/or smoking. When using do not smoke. Routinely wash work clothing and protective equipment to remove contamination. Contaminated work clothing should not be allowed out of the workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Slight

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COLOR: Gray, Red, Dark Blue 320, Navy Blue 337
pH: Not Available
FLASH POINT AND METHOD: > 93.3°C (200°F)
FLAMMABLE LIMITS: Not Available to Not Available
AUTOIGNITION TEMPERATURE: Not Available
VAPOR PRESSURE: < 1 mmHg
VAPOR DENSITY: Not Available
BOILING POINT: > 148.89°C (300°F)
FREEZING POINT: Not Available
MELTING POINT: Not Available
EVAPORATION RATE: Not Available
DENSITY: 11.32 lbs/gal
SPECIFIC GRAVITY: 1.36
VISCOSITY: Not Available
(VOC): 0 lbs/gals
Notes: Mixed Components

10. STABILITY AND REACTIVITY

REACTIVITY: Product is stable and non-reactive under normal conditions of use, storage and transport
HAZARDOUS POLYMERIZATION: Product will not undergo polymerization.
STABILITY: Stable under normal storage and application conditions.
CONDITIONS TO AVOID: Avoid temperatures exceeding the flash point. Contact with incompatible materials.
POSSIBILITY OF HAZARDOUS REACTIONS: None
HAZARDOUS DECOMPOSITION PRODUCTS: No hazardous decomposition products are known.
INCOMPATIBLE MATERIALS: Strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Chemical Name	ORAL LD ₅₀	DERMAL LD ₅₀	INHALATION LC ₅₀
Bisphenol A/epichlorohydrin Resin	13600 mg/kg (rats)	No data	No data
Barium Metaborate	No data	No data	No data
Phthalo Blue Pigment	No data	No data	No data
Titanium Dioxide	No data	No data	No data

NOTES: Not yet Known

SKIN CORROSION/IRRITATION: Causes skin irritation

SERIOUS EYE DAMAGE/IRRITATION: Causes serious eye irritation

RESPIRATORY OR SKIN SENSITISATION: Not a respiratory sensitizer. May cause an allergic skin reaction.

GERM CELL MUTAGENICITY: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic

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CARCINOGENICITY

Chemical Name	IARC Status
Titanium Dioxide	2B

NTP: Not listed.

OSHA: Not listed.

NOTES: Not classifiable as to carcinogenicity to humans.

REPRODUCTIVE TOXICITY: This product is not expected to cause reproductive or developmental effects.

STOT-SINGLE EXPOSURE: Not classified.

STOT-REPEATED EXPOSURE: Not classified.

ASPIRATION HAZARD: Not an aspiration hazard.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No environmental information was found for this product.

ECOTOXICOLOGICAL INFORMATION: Toxic to aquatic life with long lasting effects.

GENERAL COMMENTS: No other adverse effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Consult with your state and local hazardous waste requirements or guidelines to ensure compliance. Arrange disposal in accordance with EPA, state and local requirements.

EMPTY CONTAINER: Since empties containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not regulated as dangerous goods.

AIR (ICAO/IATA)

SHIPPING NAME: Environmentally Hazardous Substances, Liquids, N.O.S. (Epoxy Resin:-Reaction Product Of Bisphenol A And Epichlorohydrin(refer To Epichlorohydrin))

UN/NA NUMBER: UN3082

PRIMARY HAZARD CLASS/DIVISION: 9

PACKING GROUP: III

ERG: 9L

NOTE: Read safety instructions, SDS and emergency procedures before handling.

VESSEL (IMO/IMDG)

SHIPPING NAME: Environmentally Hazardous Substances, Liquids, N.O.S. (Epoxy Resin:-Reaction Product Of Bisphenol A And Epichlorohydrin(refer To Epichlorohydrin)), Marine Pollutant

UN/NA NUMBER: UN3082

PRIMARY HAZARD CLASS/DIVISION: 9

PACKING GROUP: III

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EmS: F-A, S-F

MARINE POLLUTANT #1: Yes

NOTE: Read safety instructions, SDS and emergency procedures before handling.

15. REGULATORY INFORMATION

UNITED STATES

DOT LABEL SYMBOL AND HAZARD CLASSIFICATION



Marine
Pollutant



Class 9

IMDG Regulated Marine Pollutant

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: Not Regulated

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Bisphenol A/epichlorohydrin Resin	25068-38-6
Barium Metaborate	13701-59-2
Phthalo Blue Pigment	147-14-8
Titanium Dioxide	13463-67-7

CLEAN AIR ACT

40 CFR PART 68---RISK MANAGEMENT FOR CHEMICAL ACCIDENT RELEASE PREVENTION: Not Regulated

CLEAN AIR ACT (HAZARDOUS AIR POLLUTANTS): Not Regulated

STATES WITH SPECIAL REQUIREMENTS

Chemical Name	Requirements
Bisphenol A/epichlorohydrin Resin	New Jersey Right to Know List Pennsylvania Right to Know List
Titanium Dioxide	Massachusetts Right to Know List New Jersey Right to Know List Pennsylvania Right to Know List

CALIFORNIA PROPOSITION 65: **WARNING:** This product can expose you to chemicals including [see table below], which is [are] known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

Chemical Name	Wt. %	Listed
Titanium Dioxide	1 - 5	• Cancer

OSHA HAZARD COMM. RULE: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SDWA (SAFE DRINKING WATER ACT): Not Regulated

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16. OTHER INFORMATION

Date Revised: 08/12/2020

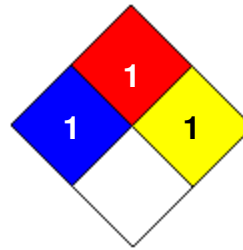
INFORMATION CONTACT: (800) 878-7876

REVISION SUMMARY: This SDS replaces the 12/16/2019 SDS.

HMIS RATING

HEALTH	<input type="checkbox"/>	1
FLAMMABILITY	<input type="checkbox"/>	1
PHYSICAL HAZARD	<input type="checkbox"/>	1
PERSONAL PROTECTION	<input checked="" type="checkbox"/>	X

NFPA CODES

**GENERAL STATEMENTS:** Keep out of reach of children

For professional or industrial use only

MANUFACTURER DISCLAIMER: This document may be used to comply with OSHA's Hazardous Communication Standard, 29 CFR 1910.1200.

To the best of our knowledge, the information contained in this SDS is accurate. It is intended to assist the user in his/her evaluation of the product's hazards and safety precautions to be taken in its use. The data in this SDS relate only to the specific material designated herein. We do not assume liability for the use of, or reliance on this information, nor do we guarantee its accuracy or completeness.

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