



Safety Data Sheet

Date Revised: 03/26/2026

Supersedes: 02/13/2026

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name(s):	Five Star® ArmX DeepGuard UW / Component B Hardener
Synonyms:	Not Applicable
Product Use:	For use with associated product hardener, Five Star® ArmX DeepGuard UW Component A
Restrictions on Use:	To be used with specific Five Star® systems.
Manufacturer/Supplier	Five Star Products, Inc. 2 Enterprise Drive Suite 303 Shelton, CT 06484 USA
Phone #:	203-336-7900
Emergency Phone #:	Velocity EHS 1-800-255-3924 (Outside the U.S. 1-813-248-0585)

SECTION 2: HAZARD(S) IDENTIFICATION-GHS INFORMATION

Label Elements/Hazard Pictograms:



Signal Word:

Warning

Hazard Statements:

H302 Harmful if swallowed.
H312 Harmful if in contact with skin.
H314 Causes severe skin burns and eye damage.
H319: Causes serious eye irritation.
H332 Harmful if inhaled.
H373a May cause damage to organs through prolonged or repeated exposure if swallowed.
H411 Toxic to aquatic life with long lasting effects (for unmixed/unreacted condition only – mixed and cured material with Component A is inert)

Precautionary Statements/Prevention:

P260 Do not breathe dust/fume/gas/vapors/spray.
P264 Wash hands and skin contact areas thoroughly after handling.
P280 Wear protective gloves, eye protection and face protection etc.

Response:

P301+ P330+P331 – IF SWALLOWED rinse mouth DO NOT induce vomiting.
P303+ P361+P353 – IF ON SKIN (or hair); Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P338+P351 IF IN EYES: Rinse cautiously with water for several



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minutes. Remove contact lenses if present and easy to do – continue rinsing.

P310 – IMMEDIATELY call a POISON CENTER/doctor.

P333 + P313 if skin irritation or rash occurs: Get medical advice/attention. P363 – Take off contaminated clothing and wash before reuse.

Storage: Store in accordance with local/regional/national regulations.

Disposal: P501 – Dispose of contents/container through a waste management company authorized by the local government.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS				
Chemical Name	Concentration Range (%)	GHS (*)	EINECS/ELINCS No.	CAS No.
Benzyl Alcohol	30 – 60 %	H302, H312, H319, H332, P301-P315+P331	202 – 859 – 9	100 – 51 – 6
4,4'Methylenebis(cyclohexylamine)	1 – 5%	P303-P361+P352+P332:P313 P305-P338+P351	217 – 168 – 8	1761 – 71 – 3
Methyleneoxide, polymer with benzenamine, hydrogenated	30 – 60%	H314, P304-P341	Not Available	135108-88-2
Salicylic Acid	1 – 5%		Not Available	69-72-7
Petroleum Hydrocarbon Resin	1 – 3%		Note Available	Not Available
(*) for full text see Sections 2 and 16.				

SECTION 4: FIRST AID MEASURES

Inhalation:	Remove to fresh air, check for breathing and administer artificial respiration if necessary. Give nothing by mouth. If unconscious place in recovery position and seek medical advice. If conscious ensure the person sits or lies down. Obtain medical attention if ill effects occur.
Eye Contact:	Remove contact lenses. Irrigate copiously with clean, fresh water for at least 15 minutes holding the eyelids apart, seek medical advice if effects occur.
Skin Contact:	Remove contaminated clothing and footwear. Wash skin thoroughly with soap and water or use a proprietary skin cleanser. Do NOT use solvents or thinners. Seek medical attention if irritation persists.
Ingestion:	If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting. If conscious give 1 pint of fresh water to



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drink. If unconscious, check for breathing and give artificial respiration if necessary.

General Advice:

In all cases of doubt or when symptoms persist seek medical attention. Never give anything by mouth to an unconscious person.

SECTION 5: FIRE-FIGHTING MEASURES

Flammability Classification:	Combustible IIIB
Flash Point:	>219°F
Extinguishing Media:	Carbon dioxide, foam, dry chemical, water fog.
Not Recommended:	Water jet
Unusual Hazards:	Combustion products may include, but are not limited to: phenolics, carbon dioxide, acrolein, and carbon dioxide.
Special Firefighting Procedures:	Use protective firefighting clothing and positive pressure self-contained breathing apparatus to protect against potential harmful and/or irritating fumes. Do not use high pressure water since this may spread the area of the fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Exclude sources of ignition and ventilate area. Exclude non-essential personnel. Avoid breathing vapours. Refer to protective measures listed in Sections 7 and 8. Contain and collect spillages with non-combustible absorbent materials e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal in accordance with waste regulations (see Section 13).

Do not allow to enter drains or water courses. Clean preferably with a detergent, avoid use of solvents. If the product enters drains or sewers immediately contact the local water company, in the case of contamination of streams, rivers or lakes the relevant environmental agency. Dispose of in accordance with applicable local and federal environmental control regulations.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling:	Provide sufficient air exchange and/or exhaust in workrooms. Ensure adequate ventilation. Handle and open container with care. When using do not eat, drink or smoke.
Conditions for safe storage, including any incompatibilities:	Keep away from food, drink and animal feeding stuff. Keep container tightly closed. Observe the label precautions. Store between 5 and 40°C in a dry well-ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorized access. Containers which are opened should be properly resealed and kept upright to prevent leakage. Store away from oxidizing agents and strongly alkaline and acid materials. The principles contained in general guidance for storage of packaged potentially dangerous substances should be observed when storing this product.



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures:

Provide additional forced ventilation if existing natural ventilation is insufficient. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of solvent vapour and/or particulates below the relevant Occupational Exposure Values, suitable respiratory protective equipment should be worn (see "Workplace Exposure Limits" below).

Exposure Limit Values:

Substance	TWA (1) ppm (4) mg/m ³ (4)	STEL (2) ppm (4) mg/m ³ (4)	Notations (3)
Benzyl Alcohol	None listed	None listed	
NOTES:			
(1)	Long Term Exposure Limit - 8 hour Time Weighted Average.		
(2)	Short Term Exposure Limit - 15 minute reference period.		
(3)	'Sk' indicates a risk of absorption through the skin. 'Sen' indicates a respiratory sensitizer.		
(4)	'WEL' indicates Workplace Exposure Limit.		

PERSONAL PROTECTIVE EQUIPMENT (PPE)

General Protection:

All personal protective equipment, including respiratory protective equipment, used to control exposure to hazardous substances must be selected to meet the requirements of the OSHA regulations.

Respiratory Protection:

Air fed respiratory protective equipment should be worn when sprayed if exposure of the sprayer or other people nearby cannot be controlled to below the Occupational Exposure Values and engineering methods cannot reasonably be improved.

Hand Protection:

When skin exposure may occur, advice should be sought from glove suppliers on appropriate types and usage times for this product. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Barrier creams may help to protect exposed areas of skin, but are not substitutes for full physical protection. They should not be applied after exposure has occurred.

Eye Protection:

Eye protection designed to protect against liquid splashes should be worn.

Skin Protection:

Cotton or cotton/synthetic overalls or coveralls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner. Regular skin inspection of users of this product is recommended.

ALWAYS WASH YOUR HANDS BEFORE EATING, SMOKING OR USING THE TOILET.

See Section 12 for detailed information.



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Paste
Color:	White
Flash Point:	> 219 °F (> 104 °C) Method: DIN 51758 (Pensky-Martins Closed Cup)
Viscosity:	15+ poise Method: BS3900 Part A7
Specific Gravity:	1.65 Kgs/ Ltr. Method: BS3900 Part A19
VOC Content:	Essentially zero under normal conditions
Vapor Density:	Not Available
Solubility (Water):	Immiscible

SECTION 10: STABILITY AND REACTIVITY

Stable under the recommended storage and handling conditions (see Section 7). In a fire, hazardous decomposition products such as smoke, acrolein, carbon monoxide, carbon dioxide, and oxides of nitrogen may be produced. Keep away from oxidizing agents and strongly alkaline and strongly acidic materials to prevent the possibility of an exothermic reaction.

Hazardous polymerization will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

There is no data available on the product itself. The product has been assessed by evaluation of its raw materials. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short term and long term exposure by oral, inhalation and dermal routes of exposure and eye contact. See Sections 3 and 15 for details of the resulting hazard classification. Splashes in the eye may cause irritation and reversible local damage. Based on the properties of the epoxy constituents and considering toxicological data on similar preparations, this preparation may be a skin sensitizer and an irritant. It contains low molecular weight epoxy constituents which are irritating to eyes, mucous membrane and skin. Repeated skin contact may lead to irritation and to sensitization, possibly with cross-sensitization to other epoxies. Skin contact with the preparation and exposure to mist and vapour should be avoided.

Acute Oral Toxicity: LD50 (rat): >5,000mg/Kg

Acute Dermal Toxicity: LD50 (rabbit): 20,000mg/Kg.

SECTION 12: ECOLOGICAL INFORMATION

There is no data available on the product itself. This product has been assessed by evaluation of its raw materials and is assessed for ecological hazards accordingly. See Sections 3 and 15 for details. The product should not be allowed to enter drains or watercourses or be deposited where it can affect ground or surface waters. Bisphenol A based liquid epoxy resins as well as many reactive diluents were classified as dangerous for the environment by the Association of Plastic Manufacturers in Europe (APME) based on available data and knowledge. When properly cured with appropriate curing agent this epoxy base is completely inert to the environment.



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SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Instructions: Do not allow into drains or water courses or dispose of where ground or surface waters may be affected. Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with local and federal regulations.

SECTION 14: TRANSPORT INFORMATION

US DEPARTMENT of TRANSPORTATION (DOT)

Proper Shipping Name: UN2735 Amines, Liquid, Corrosive, NOS (copolymer of benzenamine with formaldehyde, hydrogenated), 8, PGIII

Class: 8

UN #: 2735

Packing Group: III

INTERNATIONAL AIR TRANSPORTATION Proper Shipping Name (ICAO/IATA):

UN2735 Amines, Liquid, Corrosive, NOS (copolymer of benzenamine with formaldehyde, hydrogenated), 8, PGIII

Class: 8

UN #: 2735

Packing Group: III

WATER TRANSPORTATION

**Proper Shipping Name
(IMO/IMDG):** UN2735 Amines, Liquid, Corrosive, NOS (copolymer of benzenamine with formaldehyde, hydrogenated), 8, PGIII

Class: 8

UN#: 2735

Packing Group: III

Marine Pollutant: Possible marine pollutant in unreacted conditions. Do not allow to enter water courses.

CANADA Transportation of Dangerous Goods (TDG)

Proper Shipping Name: Not regulated

Class: None

UN #: None

Packing Group: None

**Transport in bulk according to
Annex II of MARPOL 73/78
and the IBC Code:**

Not available.



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SECTION 15: REGULATORY INFORMATION

SARA Title II section 311/312 (40CFR370):	Acute health hazard
SARA Title III section 313 (40CFR372):	No reportable components
CERCLA Status (40CFR302):	No reportable quantity components
TSCA Inventory Status:	Reported/included
Canadian DSL Status:	Reported/included
REACH Annex XIV (SVHC):	No listed components
REACH Annex XIVII:	No listed components
REACH status (EC 1907/2006):	This material has been registered, pre-existed or is otherwise exempted from registration under the Registration, Evaluation and Authorization of Chemical Substances.
Chemical safety assessment:	Not available

The information contained in this Safety Data Sheet does not constitute the user's own assessment of the workplace risks as required by other health and safety legislation.

SECTION 16: OTHER INFORMATION

HMIS (Hazardous Material Identification System)	Health	Flammability	Reactivity	Personal Protection
	2	1	0	X
Text of any GHS listed in Section 3:	4 – H302 –Category 4 Acute Toxicity Oral 4 – H312 –Category 4 Acute Toxicity Dermal 1 – H314 –Category 1 Skin Corrosion/Irritation 2 – H319 –Category 2 Serious eye damage/eye irritation 4 – H332 –Category 4 Acute toxicity inhalation 2 – H373a – Category 2 Specific Target Organ Toxicity repeated exposure 2 – H411 – Category 2 Hazardous to aquatic environment long term/Chronic			
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