

SAFETY DATA SHEET

Anchor Seal, Inc.

EPOXY HARDENER

1. Identification

1.1 Product Name: SY0255M1 (Part B)

1.2 Recommended Use: Component of an Epoxy System

Issue Date: 8/20/14

Supersedes 6/24/13

Reason for revision: New format

1.3 Manufacturer:

ANCHOR-SEAL, INC.
54 Great Republic Drive
Gloucester, MA 01930
Tel. 978-515-6004
Email: sales@anchorseal.com

1.4 In Case of Emergency: INFOTRAC: 1-800-535-5053

Outside the US and Canada, call (352) 323-3500

2. Hazards Identification

2.1 OSHA/HCS status: OSHA Hazard Communication Standard (29 CFR 1910.1200).

Hazard Category: Skin and/or eye irritant.

Classification: CAUTION: Causes skin irritation. May cause sensitization by skin contact. Risk of serious damage to the eyes. May be harmful if swallowed.

Skin contact: Causes skin irritation. May cause skin sensitization or an allergic reaction which becomes evident on re-exposure to this material. May be absorbed through the skin.

Eye contact: Causes eye irritation.

Ingestion: No data.

Inhalation: May cause respiratory irritation. May cause lung sensitization, an allergic reaction, which becomes evident on re-exposure to this material.

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2.1 cont.

Classification according to EC No. 1272/2008 (CLP/GHS)

Health Hazard statements:

Skin Irritation H315 Causes skin irritation.

Eye Irritation H320 Causes eye irritation.

Inhalation H335 May cause respiratory irritation.

Oral Toxicity H303 May be harmful if swallowed.

Aquatic h413 May cause long lasting harmful effects to aquatic life.

H4 Classification according to Directive 67/548/EEC:

Xi Irritant R36/38, R43

N R51/53

2.2 Label Elements (EC 1272/2008)

Hazard pictograms:



Signal word: Warning

2.3 Precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P264 Wash thoroughly after handling.

P273 Avoid release to the environment.

P280 Wear eye protection / face protection, protective gloves & clothing.

P284 In case of inadequate ventilation, wear respiratory protection.

P302 + P352 **IF ON SKIN:** Wash immediately with plenty of soap and water.

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

See toxicological information (Section 11)

GENERAL INFORMATION: Read the entire SDS for a more thorough evaluation of the hazards.

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3. Composition information

	<u>Name</u>	<u>CAS number</u>
3.1 Substances:	Acid anhydride mixture	Trade secret
Mixtures:	Concentration of composition has been withheld as a Trade Secret	

4. First Aid Measures

4.1 Eye contact: Check for and remove any contact lenses. Immediately flush eyes with plenty of running tepid water for 15 minutes, occasionally lifting the upper and lower eyelids. If effects occur get medical attention as appropriate.

Skin contact: Wash immediately with warm soapy water. Get medical attention if irritation develops. Discard clothing or personal items that cannot be decontaminated.

Inhalation: Move exposed person to fresh air and keep comfortable for breathing.

If not breathing or if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen clothing such as collar, tie, belt or waistband.

Ingestion: Wash out mouth with water. If swallowed immediately give three glasses of water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately. **Notes to physician:** No specific treatment. Treat symptomatically. Call Poison Control Center if large quantities have been ingested.

4.2 Symptoms of exposure:

Eye contact: Irritation and redness, pain.

Skin contact: Irritation, redness, itching. Repeated contact may result in sensitization

Inhalation: Mists or vapors will most likely be irritating to the respiratory tract. Dizziness, difficulty breathing if fumes are highly concentrated.

Ingestion: May cause irritation to the mouth, throat and stomach and may cause vomiting, nausea and diarrhea.

Notes to physician: To the best of our knowledge, experiences about acute systemic health effects in human beings are not available. No specific antidote known. Symptomatic treatment.

5. Fire-Fighting Measures

NFPA Flammable classification: Combustible liquid 111B

Flash point: >170C

5.1 Extinguishing Media

Suitable: Water fog, carbon dioxide, foam, dry chemical.

Not Suitable: None

5.2 Special hazards: Combustion products may include: carbon oxides and hydrocarbons.

5.3 Special protective actions for fire fighters: Use protective fire fighting clothing and positive pressure self-contained breathing apparatus (SCBA) to protect against potential harmful and/or irritating fumes. Do not use high volume water jet as this may spread the area of the fire. Use water spray to cool unopened containers.

6. Accidental Release Measures

6.1 Personal precautions: Isolate area; keep unnecessary and unprotected personnel away from spill area. Avoid contact with skin, eyes and clothing. Use appropriate safety equipment. No health effects expected from the cleanup of this material if contact can be avoided.

6.2 Environmental precautions: Avoid disposal of spilled material and runoff and contact with soil, waterways, drains and sewers.

6.3 Methods for cleaning up: Contain and absorb large spills with an inert, non-flammable absorbent carrier (such as earth, sand or clay). Shovel into labeled open-top drums or plastic bags for further decontamination if necessary. Wash the spillage area clean with liquid decontaminant. (See section 13 for disposal considerations). Notify applicable government authorities if release is reportable.

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7. Handling and Storage

7.1 Precautions for safe handling: Avoid personal contact with the product. Use only with adequate ventilation to ensure that the occupational exposure limit is not exceeded. Regularly monitor the efficiency of the ventilation system. Avoid the formation and breathing of aerosols, mists and vapors. (See section 8 Exposure control for details). Keep stocks of de-contaminant readily available.

7.2 Storage: Keep containers tightly closed and store in a cool, dry well ventilated area.

Suitable materials: mild steel, stainless steel. Unsuitable: aluminum and copper.

8. Exposure controls/personal protection

8.1 Exposure parameters: None established.

8.2 Engineering controls: Ventilation through local exhaust if appropriate.

Eye/face protection: Safety glasses, goggles, face mask as appropriate.

Skin & hand protection: Protective clothing as necessary to guard against product contact. PVC, neoprene or nitrile rubber gloves.

Respiratory protection: Not needed under normal use conditions under adequate ventilation.

Other protective equipment: Eye wash stations and emergency showers should be available. The type and degree of personal protective equipment will depend on the specific work operation.

8.3 Environmental exposure controls: None established.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties.

Appearance	: Viscous liquid
Color	: Tan
Type of odor	: Mild
Vapor pressure	: <1 mmHg @ 70F (21C)
Percent volatile	: Nil
Vapor density	: 9 (air=1)
Boiling point	: >175°C (350F)
Flash point	: >170C (330F)
pH	: Acidic
Auto ignition temperature	: No data
Specific gravity	: 1.6 grams / cc
Water solubility	: Slightly soluble

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10. Stability and Reactivity

10.1 Reactivity: Reacts with epoxy resin, strong bases and strong oxidizing agents.

10.2 Stability: Stable at room temperature.

10.3 Hazardous polymerization: Will not occur by itself. Masses of more than one pound of product plus an epoxy resin will cause irreversible polymerization with considerable heat build up.

10.4 Conditions to avoid: Keep away from moisture, heat and sources of ignition. Do not smoke.

10.5 Incompatible materials: Strong bases and oxidizing agents.
alkaline and alkaline earth metals. Reacts with water.

10.6 Hazardous decomposition products: Fumes, smoke, and oxides of carbon and hydrocarbons,

11. Toxicological Information

11.1 Acute oral toxicity: No data.

Acute dermal toxicity: LD50 (rabbit) 7,000 mg/kg.

Acute inhalation toxicity: LCLo, 1200 mg/cu. meter/ 4 hours (RTECS)

Skin irritation: (Rabbit) Irritant.

Eye irritation: (Rabbit) Irritant.

Product sensitization: Sensitizer (Sax).

12. Ecological Information

12.1 Toxicity to fish: No data available for this product.

12.2 Toxicity to microorganisms: No data available.

12.2 Persistence and biodegradability: No data available.

13. Disposal Considerations

13.1 Waste treatment methods: Do not dump into any sewers, on the ground, or into any body of water. Significant quantities of waste product residues should be processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local requirements. Incineration is the preferred method of disposal.

Container disposal: Drain container of all residual material prior to disposal.

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14. Transport Information:

14.1 DOT 49 CFR: Road/Rail:

14.2 Hazard Class: Not regulated.

14.2 Proper shipping name: Resin Compound.

14.3 Sea Transport IMDG:

14.4 Hazard class: Not regulated.

14.5 Hazard label: None.

14.6 Marine pollutant: No data available.

14.7 Proper shipping name: Resin Compound.

14.8 Air Transport IATA/ICAO:

14.9 Hazard class: Not Regulated.

14.10 Hazard label: None.

14.11 Proper shipping name: Not regulated.

15. Regulatory Information

15.1 Safety health and environmental regulations/legislation:

SARA Title III Hazard notification:

Section 302/304: Not listed.

Section 311/312: Acute

Section 313 Toxic Chemicals: Not listed.

CERCLA RQ: Not listed.

TSCA Inventory status 12(b) Export notification: Not listed.

OSHA/NTP/IARC Carcinogen Status: Not listed.

Chemicals known to the state of California (prop. 65) to cause Cancer or reproductive toxicity: None

16. Other Information

HMIS/NFPA rating: Health: 2 Fire: 1 Reactivity: 0

(Personal protective equipment selection is best assigned by the user after performing a hazard assessment on the product as it is to be used in the specific work process).