

SAFETY DATA SHEET

Anchor-Seal, Inc.

Polyurethane Polyol

1. Identification

1.1 Product Name: U1580D, Part B Polyol

1.2 Recommended Use: Component of a Polyurethane System. Casting, Sealing and Encapsulation.

Issue Date: 10/22/13

Supersedes: 2/22/13

Reason for revision: New format

1.3 Manufacturer:

Anchor-Seal, Inc.
54 Great Republic Drive
Gloucester, MA 01930
PH: (978) 515-6004
FAX: (978) 515-6008
Email: sales@anchorseal.com

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

Outside the US and Canada, call 1-352-323-3500

2. Hazards Identification

2.1 OSHA/HCS status: This material is not considered hazardous under OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification: May cause respiratory tract, eye and skin irritation.

Skin contact: Prolonged or repeated exposure may cause skin irritation; may cause skin sensitization by skin contact.

Eye contact: May cause irritation; corneal injury is unlikely.

Ingestion: Single dose oral toxicity is considered to be very low; ingestion of a small amount is not expected to be harmful.

Inhalation: Over exposure to vapors is considered unlikely due to the physical properties of the material.

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

Skin Irritation Cat. 2	H315
Skin Sensitization Cat. 1	H317
Eye Irritation Cat. 2	H320
Aquatic Chronic 2	H413
Symbol Xi Irritant	R36/38 R43

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2.2 Label Elements (EC 1272/2008):

Hazard pictograms



Signal word: Caution

Hazard statements:

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H320 Causes eye irritation.

H413 May cause long lasting harmful effects to aquatic life

2.3 Precautionary statements:

P264 Wash thoroughly after handling.

P273 Avoid release to the environment.

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

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

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

Contains: Polyether polyol

See toxicological information (Section 11)

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

3. Composition Information

	<u>Name</u>	<u>CAS number</u>
3.1 Substances	Polyether polyol mixture	not disclosed
3.2 Mixture:	Concentration of composition has been withheld as a trade secret.	

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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. Wash clothing or personal items that cannot be decontaminated.

Inhalation: Move exposed person to fresh air. If not breathing, 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. 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. Practically non-toxic if swallowed.

4.2 Symptoms of exposure:

Eye contact: Irritation and redness, pain.

Skin contact: Irritation, redness, itching.

Inhalation: Dizziness, difficulty breathing if fumes are highly concentrated.

Ingestion: May cause irritation.

5. Fire-Fighting Measures

NFPA Flammable classification: Combustible liquid III B

Flash point: >250C (Pensky-Martens Closed Cup)

5.1 Extinguishing Media

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

Not Suitable: None

5.2 Special hazards: Combustion products may include: carbon monoxide, carbon dioxide.

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.

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.

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 breathing 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.

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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, safety shoes.

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	: Liquid
Color	: Amber clear or as supplied
Type of odor	: Faint odor
Vapor pressure	: <0 kPa (0 mm Hg) 20C
Vapor density	: No data available
Boiling point	: >400°F
Specific gravity	: 1.00-1.03 grams / cc
Water solubility	: Soluble
pH	: 7.1

10. Stability and Reactivity

10.1 Reactivity: Reacts with isocyanates.

10.2 Stability: Stable at room temperature.

10.3 Hazardous polymerization: Will not occur by itself.

10.4 Conditions to avoid: No specific data.

10.5 Incompatible materials: See conditions to avoid.

10.6 Hazardous decomposition products: None produced under normal conditions of use.

11. Toxicological Information

11.1 Acute oral toxicity: LD50 (rat): >2,000 mg/kg.

Acute dermal toxicity: LD50 (rabbit) >2,000 mg/kg

Acute inhalation toxicity: The LC50 has not been determined.

12. Ecological Information

12.1 Toxicity (ecotoxicity effects) moderately toxic to aquatic organisms on an acute basis
Acute EC50 >100 mg/L 48 hours (Daphnia).

12.2 Persistence and degradability: Based on stringent OECD test guidelines, this material cannot be considered as readily biodegradable; however, these results do not necessarily mean that the material is not biodegradable under environmental conditions.

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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. This product is not defined or designated as a hazardous waste by RCRA 40CFR261.

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

14. Transport Information

14.1 DOT Bulk and Non-Bulk: Proper Shipping Name: Not regulated for ground transport.

14.2 TDG Classification: Not regulated

14.2 ADR, IMDG Class: Not regulated

14.3 IATA-DGR Class: Not regulated

15. Regulatory Information

15.1 Safety health and environmental regulations/legislation:

OSHA Hazard Communication Standard, 29 CFR 1910.1200. Not hazardous

SARA Title III Section 302/304/311/312 (40CFR370): No ingredient listed.

SARA Title III Section 313 (40CFR372): No reportable components.

CERCLA Status (40CFR302): No reportable quantity components.

TSCA Inventory status: None.

Canadian DSL Status: Reported/included.

Canadian WHMIS Classification: Not controlled under WHMIS (Canada).

OSHA/NTP/IARC Carcinogen Status: Not listed.

Chemicals known to the state of California to cause Cancer or reproductive toxicity: None

Pennsylvania (Worker and Community Right-to-Know Act): Hazardous Substances List and/or

Environmental Hazardous Substance List and/or Special Hazardous Substance List: To the best of our knowledge, this product does not contain chemicals at levels which require reporting under this statute.

Risk phrases: R36/38 Irritating to the eyes and skin.

R43 May cause sensitization by skin contact.

Safety phrases: S3/7/9 Keep container tightly closed in a cool, well-ventilated place.

S24/25 Avoid contact with the skin and eyes.

S28 After contact with skin, wash immediately with plenty of soapy water.

S37/39 Wear suitable gloves and eye/face protection.

S61 Avoid release to the environment. Refer to special instructions/SDS.

Hazard symbols: Xi Irritant,

16. Other Information

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

Label requirements: May cause respiratory tract, eye and skin irritation.

(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).