

Material Safety Data Sheet

Product: ENRICH 'N' SEAL™

Manufacturer:

AQUA MIX INC.

250 BENJAMIN DRIVE
CORONA, CA 92879

24-HR. CHEMICAL EMERGENCIES
SPILL, LEAK, and FIRE EXPOSURES
CHEMTREC: 800-424-9300

Information Phone: 877-278-2311

SECTION I – PRODUCT IDENTITY

Trade Name: ENRICH 'N' SEAL™

SECTION II – HAZARDOUS INGREDIENTS

Stannane, Dibutylbis ((1-oxododecyl) – oxyl) (See Note: 1) CAS #: 77-58-7
(Synonyms: Dibutylbis (lauroyloxy) tin, Dibutyltin Dilaurate) Exposure Limits: OSHA PEL: Unknown
ACGIH TLV: Unknown

Note: Insufficient data are available on the effect of this substance on human health, therefore utmost care must be taken.

Silesquioxanes, ISO-Bu ME, Methoxy Terminated CAS#: 95823-37-3
Exposure Limits: OSHA PEL: Unknown
ACGIH TLV: Unknown

Hazard Rating:

TOXICITY – 2 FIRE – 2 REACTIVITY – 0 PERSONAL PROTECTION - A

4 = Extreme 3 = High 2 = Moderate 1 = Slight 0 = Insignificant

** These values are obtained using the guidelines from the National Fire Protection Association or the National Paint and Coating Association.

When fully cured, Enrich 'N' Seal, is safe for indirect food contact per C.F.R. 175.300.

SECTION III – PHYSICAL & CHEMICAL DATA

Boiling Point: ~527°F Melting Point: <76°F
Vapor Pressure (mmHg): 8 Solubility in H₂O: Insoluble
Specific Gravity (H₂O=1): 1.099 Evaporation Rate (Butyl Acetate = 1): N/A
pH: N/A Vapor Density: N/A
Appearance & Odor: Clear yellowish liquid, Pleasant odor VOC (g/L): <0.1

SECTION IV – FIRE & EXPLOSION DATA

Flash Point: 190°F Open/Closed: Closed
Flammable Limits: LEL: Unknown UEL: Unknown
Fire extinguishing materials: Use water fog, carbon dioxide, dry chemical or foam.
Special fire fighting procedures: Avoid sources of ignition. Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full-face mask, and full protective clothing.
Unusual fire and explosion hazards: None known. (See Section V - Hazardous byproducts of decomposition/combustion)

SECTION V – REACTIVITY DATA

Stability: Stable
Incompatibility (Materials to avoid): Acidic, Basic, or oxidizing agents
Hazardous byproducts of decomposition/combustion: Carbon dioxide (CO₂), Silicone dioxide (SiO₂), Carbon monoxide (CO), Methanol, and Formaldehyde.
Hazardous polymerization: Will not occur

VI – HEALTH HAZARD DATA

Routes of Exposure & Effects

Skin: Causes moderate skin irritation. Harmful if absorbed through the skin.
Eye: May cause severe eye irritation.
Ingestion: Harmful if swallowed.
Inhalation: Inhalation may cause headache, nausea, dizziness, vomiting, or mental confusion.

Acute & Chronic Overexposure Effects

Acute: May cause severe irritation to the eyes and skin.
Chronic: Not Determined

Medical Conditions Generally Aggravated by Exposure: Respiratory disorders and Central Nervous System disorders.

Toxicity Data SARA 311 & 312 – Stannane, Dibutylbis ((1-oxododecyl) – oxyl)
No components listed as carcinogenic with: IARC, NTP, or OSHA

EMERGENCY & FIRST AID PROCEDURES:

EYES: Immediately flush eyes with water for at least 15 minutes. If irritation persists, seek medical attention.
SKIN: Remove contaminated clothing and laundry before reuse. Wash exposed skin with soap and water. If irritation persists seek medical attention.
INHALATION: Relocate to fresh air. If symptoms persist, seek medical attention.
INGESTION: Give 2 glasses of water and induce vomiting, only if person is conscious. Never give anything to an unconscious person. Prevent aspiration by keeping person's head below knees. Seek immediate medical attention.

SECTION VII – PERSONAL PROTECTION

Ventilation & Exhaust: Provide sufficient mechanical ventilation and exhaust to lower exposure to vapors.
Respiratory Protection: Avoid breathing vapors. Wear a NIOSH approved organic vapor respirator appropriate for emission levels above recommended exposure limits at point of use.
Eye Protection: Avoid eye contact. Wear safety glasses, goggles or face shield.
Gloves: Wear latex, rubber or nitrile gloves. Use as necessary to prevent skin contact.
Other Clothing or Equipment: Use as necessary to prevent skin contact, such as an impermeable apron or coveralls.
Work/Hygienic Practice: Wash hands after usage or before eating.

SECTION VIII – SAFE HANDLING & USE

Storage & Handling: Store in closed containers. Store at temperatures below 85°F in a dry, well-ventilated location. Keep away from heat, sparks, flame or other open sources of ignition. Store away from food and feedstock.
Spills or leaks: Eliminate all ignition sources. Prevent discharge or run-off to streams or sewer systems. Soak up with compatible absorbent material (sand, clay litter, or diatomaceous earth). Collect spilled material. Place in U.S. DOT container
Waste Disposal: Dispose materials in accordance with all applicable local, state and federal regulations.

SECTION IX – REGULATORY & SHIPPING

EPA Reg. No.:	Not Regulated	EPA Est. No.:	Not Regulated
Proper Shipping Name:	<i>(Combustible Liquid NOS for bulk containers holding 119 gallons or more)</i>		
Hazard Class:	Not Regulated		
Packaging Groups:	N/A		
UN Identification -	None		
IATA Instructions –	II: N/A	III:	N/A
Special Provisions –	II: N/A	III:	N/A
Packaging –	Exceptions: N/A	Non-Bulk: N/A	Bulk: N/A
Quantity Limitations -	Passenger: N/A	Cargo:	N/A
Vessel Stowage -	Location: N/A	Other:	N/A



TEC: (R)-61G12b ICSC: 1171 ERG: 153
 Insufficient data are available on the effect of this substance on human health, therefore utmost care must be taken.
 UK/EC Labeling: **Symbol:** Xi **ILO Risk Phrase:** R: 20/22 **ILO Safety Phrase:** S: 1/2-13-24/25

SECTION X – OTHER INFORMATION

The aforementioned is believed to be correct as of the date hereof; however, no warranty is made, express or implied, regarding the accuracy of this document, since the information contained herein may be applied under conditions beyond our control and under conditions with which we may be unfamiliar. Since data made available subsequent to the date hereof may suggest modification of the information, recipients are advised to determine in advance the suitability of the material for their precise purposes and on the condition that they assume the risk of use thereof.

Notes (not intended to be all inclusive):

Note 1: This chemical is subject to the provisions of WHMIS in Canada.

Abbreviations (if used):

OSHA	Occupational Safety and Health Administration	TWA	Time Weighted Average
PEL	Permissible Exposure Limits	WHMIS	Workplace Hazardous Material Information System
STEL	Short Term Exposure Limits	IARC	Int'l Agency for Research on Cancer Monographs
ACGIH	American Conference of Governmental Industrial Hygienists	NTP	National Toxicology Program
TLV	Threshold Limit Value	SARA	Superfund Amendments & Reauthorization Act
SARA 311	Chronic Health Hazard	SARA 312	Acute Health Hazard
TEC	Transportation Emergency Card	ICSC	International Chemical Safety Cards
ERG	North American Emergency Response Guide	ILO	International Labor Organization

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