

**Hizone Brands, Ltd. Product: Seal-O-Tite Rev. Date: 2/20/2016****1. CHEMICAL PRODUCT & COMPANY INFORMATION**

Product Identifier: **Seal-O-Tite, Liquid Incision Sealer**  
 General Use: **Embalmer's brush-on liquid sealant to prevent liquid leakage through suture seams**  
 Hizone Brands, Ltd. 490 Bennett Road Elk Grove Village, IL 60007 (U.S.A.)  
 Business Hours Phone: (847) 364 - 1590 FAX (847) 593-6605  
**Chemical Emergency only, 24 Hour / 7 Day Response Phone: (800) 535 - 5053 & (352) 323-3500 INFOTRAC**

**2. HAZARDS IDENTIFICATION****GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)****Hazards**

Highly Flammable liquid and vapor (Flashpoint = 39 F / 4 C) May be fatal if swallowed and enters airways.  
 Contact causes skin irritation. Contact causes serious eye damage.  
 Harmful if liquid or vapor is inhaled. Suspected of damaging fertility or the unborn child.

**Label elements****Signal Word****DANGER****Hazard Statements**

Harmful if swallowed. Harmful if inhaled.  
 Causes skin irritation.

**EMERGENCY OVERVIEW: Flammable Liquid**

**EMERGENCY OVERVIEW:** Flammable liquid and vapor. **Note: FLASH POINT: 39 F / 4 C** Harmful or fatal if swallowed or absorbed through the skin. Eye, skin, and respiratory tract irritant. Vapors may cause dizziness, drowsiness, loss of equilibrium and loss of consciousness. Potential Cancer hazard. Individual package size 1 US pint / 473 milliliters.

**POTENTIAL HEALTH EFFECTS:**

**INHALATION:** Irritating to upper respiratory tract. May cause drowsiness, nausea, vomiting, headache, CNS depression, asphyxiation and loss of consciousness.

**EYE CONTACT:** May cause severe irritation, tearing and corneal damage.

**SKIN CONTACT:** May cause drying, cracking, and dermatitis.

**INGESTION:** CNS depression, drowsiness, headache, dizziness, anesthesia, fatigue. Potential aspiration hazard.

**CHRONIC:** Potential Cancer hazard. Contains chemicals known to the State of California to cause cancer, birth defects and other reproductive harm.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Ingredient	CAS No.	% by Wt.	Exposure Limits (ppm)		ACGIH	
			OSHA TWA	STEL	TLV	STEL
Toluol	108-88-3	40 - 50	100	150(c)	20	100(c)
Butyl Acetate	123-86-4	28 - 32	150	200	150	200
Butanol	71-36-3	10 - 13	50	100	20	50
Isopropanol	67-63-0	1 - 3	400	500	200	500

(c) = ceiling limit

**4. FIRST AID MEASURES**

**INHALATION:** Remove to fresh air. If breathing has stopped, give artificial respiration and call for medical assistance.

**EYE CONTACT:** Flush with water for at least 15 minutes. Get medical attention promptly.

**SKIN CONTACT:** Remove contaminated clothing. Wash skin areas with soap and water. Seek medical attention if irritation occurs and persists beyond 24 hours or if the skin contact area is significant.

**INGESTION:** Do not induce vomiting unless instructed by Poison Center or Doctor. Get medical attention immediately.

**5. FIRE FIGHTING INFORMATION AND MEASURES**

**FLASH POINT:** 45°F **METHOD:** TCC

**FLAMMABLE LIMITS:** 1.4% - 7.4% **AUTO IGNITION TEMPERATURE:** Not Available

**HAZARDOUS COMBUSTION PRODUCTS:** CO, CO<sub>2</sub>, oxides of nitrogen.

**EXTINGUISHING MEDIA RECOMMENDED:** Dry chemical, Alcohol foam, CO<sub>2</sub>. Use water spray to cool all fire exposed surfaces only. Water may tend to spread fire; burning product may float on the water surface. Allow surrounding conditions define methods and media type used.

**FIRE FIGHTING INSTRUCTIONS:** Wear self-contained breathing apparatus and full protective equipment for all indoor and outdoor fires. WARNING: Pressure (FLAMMABLE VAPORS) may build up in closed containers that are exposed to heat.

**6. ACCIDENTAL RELEASE MEASURES**

**SMALL SPILL:** Avoid heat, flame, and sparks. Vapors are heavier than air and may cause flashback from ignition sources. Absorb with paper or other absorbent and place in an exhaust hood, other well ventilated area, or a closed non-sparking container to retain the EXTREMELY flammable vapors. Dried material may be discarded in regular trash.

**LARGE SPILL:** Eliminate potential ignition sources in surrounding area. Dike spill, absorb and contain as above. Dispose of recovered product at a licensed facility according to all applicable regulations.

**7. HANDLING AND STORAGE**

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**HANDLING:** Exercise caution when opening container in case of internal pressure build-up. Use in a well-ventilated area away from heat, sparks, or flames. Vapors are heavier than air and may cause flashback from remote ignition sources. Empty containers may still contain flammable vapors. Keep containers tightly closed when not in use. Wear chemically impervious gloves while using. Wash hands thoroughly after handling and use.

**STORAGE:** Keep in cool, well-ventilated areas between 35°F and 80°F.

**8. EXPOSURE CONTROL / PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** General or local exhaust is required to keep product vapors below the exposure and the Lower Explosive (1.4%) limits.

**RESPIRATORY PROTECTION:** Use a NIOSH/MSHA approved organic vapor cartridge or canister respirator or supplied air respirator system if exposure limits for inhalation are exceeded. Follow the OSHA guidelines in 29 CFR 1910.134.

**SKIN PROTECTION:** Use chemically impervious gloves and an impervious gown (or impervious apron and sleeves).

**EYE PROTECTION:** Use chemical splash goggles. Use either a face shield or a full-face respirator if splashes to the face can be expected.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Boiling Range:</b>	180°F / 82°C	<b>Volatile Organic Compounds (VOCs):</b>	6.6 Lb / Gallon
<b>Vapor Pressure:</b>	23.7 hPa @ 25 C	<b>Vapor Density:</b>	3.6 (Heavier than Air)
<b>Solubility in Water:</b>	minimal	<b>Specific Gravity:</b>	0.92
<b>Odor:</b>	Sweetish, solvent	<b>% Volatile by Volume:</b>	88% - 90%
<b>Appearance:</b>	Clear / "water-white" liquid	<b>pH:</b>	Not Available

**10. STABILITY AND REACTIVITY**

**CHEMICAL STABILITY** (Conditions to avoid): Heat, sparks, flames.

**INCOMPATIBILITY:** Strong acids or alkalis, oxidizing agents, reducing agents, amines.

**HAZARDOUS DECOMPOSITION:** CO, CO<sub>2</sub>, nitrogen oxides.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**11. TOXICOLOGICAL INFORMATION**

Oral Toxicity LD50: 3,549 mg / kg                      Inhalation Toxicity LC50: 18 mg / L

Potential Routes of Entry: Inhalation, Skin Contact, Eye Contact, Ingestion

Exposure to this material may affect the following organs: Eyes, Kidneys, Liver, Central Nervous System, Skin, and Respiratory System.

**12. ECOLOGICAL INFORMATION**

No data for this product.

**13. DISPOSAL CONSIDERATIONS**

See Section 6.

**14. TRANSPORTATION INFORMATION**

**DOT (ground):** ORM-D Consumer Commodity for pint container units via ground transport within North America per NAFTA Agreement

**Larger container size:** UN1263, Paint Related Material, 3, P.G. II

**ICAO / IATA (Air transport):** UN1263, Paint Related Material, 3, P.G. II

**IMO (Ocean transport):** UN1263, Paint Related Material, 3, P.G. II

**15. REGULATORY INFORMATION**

**EPCRA, Sec. 313 listed materials:**

Toluol	CAS #108-88-3,	40% - 50%;
Butyl Acetate	CAS #123-86-4	28% - 32%
1-Butanol	CAS #71-36-3	10% - 13%
2-Propanol	CAS #67-63-0,	1% - 3%

All chemicals appear in the Toxic Substances Control Act Chemical Substance Inventory.

**Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA)** This product contains chemicals which are subject to the reporting requirements of the Act, and Title 40 of the Code of Federal Regulations, part 372:

1-Butanol	CAS #71-36-3	10% - 13%
Butyl Acetate	CAS #123-86-4	28% - 32%
Toluol	CAS #108-88-3,	40% - 50%;

**WARNING:** This product contains chemicals known to the State of California to cause cancer, birth defects and other reproductive harm.

**16. OTHER INFORMATION**

**NFPA HAZARD RATING:** Health 2(s), Fire 3, Reactivity 1

**KEY:** (4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Minimal)

(s) = Skin contact may significantly add to the overall exposure effects.

**NOTICE:** The information herein is presented in good faith and believed to be accurate and complete as of the effective date shown above. Regulatory requirements are subject to change and may differ from one location to another. It is the buyer's responsibility to ensure that its activities with this product comply with all federal, state, and local laws.