

ISK BIOCIDES, INC.

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MATERIAL SAFETY DATA SHEET

PRODUCT NAME: SEALTITE 60 CLEAR

Date of Last Revision: 6/17/02

I. PHYSICAL AND CHEMICAL CHARACTERISTICS

APPEARANCE AND ODOR: Viscous pale yellow liquid with a faint amine odor.
BOILING POINT (INITIAL) (F/C): 212/100 DENSITY (Lbs/Gal) (Water @20C = 8.33): 7.66
VAPOR PRESSURE (mm Hg): >1 EVAPORATION RATE (nBuAC=1): <1
VAPOR DENSITY (Air=1): >1 SPECIFIC GRAVITY: 0.92
pH RANGE: 8.50 - 9.50 SOLUBILITY IN WATER: Disperses

II. HAZARDOUS INGREDIENTS (See Section X Also)

COMMON NAME	CHEMICAL NAME	C.A.S.#	%	OSHA PEL	ACGIH TLV
Solubilizing Agent	Alkanolamine	102-71-6 & 111-42-2	1-10	3.0 ppm	3.0 ppm
Emulsifier	Fatty Acid @	57-11-4	1-10	15.0 mg/CuM	10 mg/CuM

Ingredients marked with the sign of @ are hazardous as nuisance dusts in dry or granular products. These ingredients may not present a hazard in liquid products. OSHA's Hazard Communication (Standard 29CFR 1910.1200) requires hazardous chemicals to be listed and the MSDS to identify the hazards associated with the product. This information must be included in all MSDS's that are copied and distributed for this product.

HMIS HAZARD RATINGS

Health Hazard: 1, Fire Hazard: 0, Reactivity: 0, Special Hazard: ----
(Based on the revised National Paint & Coatings Association Hazardous Materials Identification Rating System, 1984)

III. HEALTH HAZARD DATA (See Section IX Also)

FIRST AID: Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

IF SWALLOWED: Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes. Call a poison control center or doctor for treatment advice.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE, CALL CHEMTREC AT 1-800-424-9300

Primary Routes Of Entry: Inhalation Eyes Skin Ingestion

TOXICOLOGY DATA AND EFFECTS OF OVEREXPOSURE:

EYES:

High concentrations or prolonged contact may result in stinging, redness, and tearing of the eyes. Can cause severe irritation and irreversible eye damage on prolonged contact.

INGESTION:

Acute Toxicity (Rat): LD50 Greater than 5,000 mg/kg. This toxicity data is based on studies conducted on primary raw materials. Causes weakness, excessive sweating, headache, dizziness, nausea, vomiting, difficulty in breathing.

INHALATION:

Acute Toxicity (Rat): LC50 approximately 20.0 mg/L. This toxicity data is based on studies conducted on primary raw materials. Negligible hazard expected at ambient temperatures. Elevated temperatures may result in vapors which can cause nasal and respiratory irritation, dizziness, nausea, headache, and weakness.

SKIN:

Acute Toxicity (Rabbit): LD50 Greater than 2,000 and less than 20,000 mg/kg. This toxicity data is based on studies conducted on primary raw materials. Non-sensitizer. May cause skin irritation or rash on prolonged or repeated contact. Prolonged or repeated contact may result in itching, defatting, and dermatitis.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known.

LISTED AS A CARCINOGEN OR POTENTIAL CARCINOGEN BY: None.

IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Degrees F, Method): >350 PMCC

FLAMMABLE LIMITS IN AIR (LEL/UEL, % by Volume): Non-Combustible. Limits Not Applicable.

EXTINGUISHER MEDIA: Foam, carbon dioxide, water spray, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Cool exposed containers with water.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known.

V. REACTIVITY DATA

STABILITY: Stable.

CONDITIONS TO AVOID: Temperatures below freezing, 32F/0C.

INCOMPATIBILITY: Strong Oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Carbon and Nitrogen, plus small amounts of Ammonia, Cyanuric acid, and Cyanic acid.

CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION: Material is not known to polymerize.

VI. ENVIRONMENTAL PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

SMALL SPILL: Wear appropriate protective clothing (see Section 7). Recover free liquid. Absorb remainder with sand or clay and place in a waste receptacle.

LARGE SPILL: Wear appropriate protective clothing (see Section 7). Large spills are not likely to occur. Restrict access to contaminated area. Stop spill at source. Dike to prevent spreading. Pump liquid to a recovery vessel. Absorb remainder of material with sand or clay and place in a properly labeled waste receptacle. Follow all local, state, and federal regulations for disposal. Do not contaminate water while cleaning equipment or disposing of wastes. Prohibit contamination of streams, lakes, or other bodies of water.

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WASTE DISPOSAL METHODS: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

VII. SPECIAL PROTECTION EQUIPMENT

VENTILATION REQUIREMENTS: None normally required, use local exhaust if necessary. Good industrial hygiene practice dictates that indoor work areas should be isolated and provided with adequate local exhaust ventilation.

RESPIRATORY: None normally required if good ventilation is maintained. If mist is generated during application process, use a disposable mist respirator.

EYE: Wear chemical splash goggles and/or face shield during mixing and when exposed to mist.

GLOVES: Wear rubber gloves when handling, using, or applying this product. Special precautions should be taken to ensure that material cannot get inside gloves.

OTHER PROTECTIVE EQUIPMENT: None normally required. Use as necessary to prevent exposure. Safety showers and eyewash stations should be provided in all areas in which this product is stored and/or handled. Persons exposed routinely to this material should shower prior to leaving work each day. Work clothing should be changed daily.

VIII. OTHER SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS: Store in a secure, well-ventilated area protected from extreme temperatures. Do not transfer to an unmarked container. Keep container closed when not in use. Observe good personal hygiene practices. Change protective gloves/clothing when signs of contamination appear. Keep out of reach of children.

OTHER PRECAUTIONS: Do not allow to freeze.

IX. ADDITIONAL INFORMATION

No additional information.

OSHA's Hazard Communication Standard, 29 CFR 1910, 1200 requires that a MSDS be kept on file and distributed to employees and/or customers. If this product is used at other locations, it is your responsibility to promptly distribute this information to that location. Additional copies of the Material Safety Data Sheets are available upon request.

X. SHIPPING INFORMATION

FREIGHT CLASSIFICATION: SEALING WAX, N.O.I. - NMFC 196800

This product is classified for transportation purposes as follows:

	YES	NO
IATA (Air)		X
IMO (Water)		X
DOT (Land)		X

WARRANTY AND LIMITATION OF DAMAGES

Seller warrants to those persons lawfully acquiring title to this product that at the time of the first sale of this product by seller this product conformed to its chemical description and that it was reasonably fit for the purposes stated on the product label when used both in accordance with the Direction for Use appearing on the product label and under normal conditions of use. Buyers and users of this product assume the risk of all loss or damage from use or handling of this product that results from their failure to read and comply with the Directions for Use of this product which appear on the product label. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY, INCLUDING ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY, AND NO AGENT OF SELLER IS AUTHORIZED TO DO SO. Unless expressly prohibited by state law, the liability of seller for any breach of warranty shall not exceed the purchase price of the product as to which a claim is made.