

# MATERIAL SAFETY DATA SHEET



## I PRODUCT IDENTIFICATION

MANUFACTURER'S NAME: **SEAL-IT International Inc.**

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Saskatoon, Saskatchewan, Canada  
S7K 8B7*

EMERGENCY TELEPHONE NO. 1-888-299-7325

TRADE NAME: 429 STUF

SYNONYMS: Urethane Coating

SHIPPING NAME DOT: Combustible Liquid

IATA: UN #1263

## II HAZARDOUS INGREDIENTS

MATERIAL OR COMPONENT	CAS NO.	%	HAZARD DATA
110 Aromatic		18	100 ppm ACGIH
Urethane		60	500 ppm OSHA
as MDI content of above		12	ACGIH .2 mg/m <sup>3</sup> ceiling value

## III PHYSICAL DATA

BOILING POINT, 760 MM HG		MELTING POINT	
SPECIFIC GRAVITY (H <sub>2</sub> O - 1)	1.08	VAPOR PRESSURE	
VAPOR DENSITY (AIR - 1)	N/A	SOLUBILITY IN H <sub>2</sub> O % BY WT	Ni1
% VOLATILES BY VOL.	18	EVAPORATION RATE (BUTYL ACETATE -1)	
APPEARANCE AND ODOR	AMBER	pH (as is)	
		pH (1% soln)	N/A

#### IV FIRE AND EXPLOSION DATA

FLASH POINT (TEST METHOD)	Solvent portion: 110 <sup>0</sup> F COC Urethane: 390 <sup>0</sup> (199 <sup>0</sup> C) PM	
FLAMMABLE LIMITS IN AIR, % BY VOLUME	LOWER	UPPER
EXTINGUISHING MEDIA	CO2, Foam, Dry Chemical	
SPECIAL FIRE FIGHTING PROCEDURES	Use self contained breathing apparatus if in enclosed area.	
UNUSUAL FIRE EXPLOSION HAZARD	Temp. over 300 <sup>0</sup> F can cause build up in pressure, explosive rupture is possible, therefore use cold water to cool fire-exposed containers.	

#### SPECIAL PRECAUTIONS

PRECAUTIONARY STATEMENTS	Storage temperature 32 <sup>0</sup> F (0 <sup>0</sup> C) / 122 <sup>0</sup> F (50 <sup>0</sup> C) Average shelf life...6 months. Protect from moisture
OTHER HANDLING AND STORAGE REQUIREMENTS	Ideal storage is 50-81 <sup>0</sup> F (10-27 <sup>0</sup> C)
D.O.T Hazard Classification:	Combustible liquid

#### V HEALTH HAZARD INFORMATION

ROUTES OF EXPOSURE:	
INHALATION	Because of low volatility, hazardous concentrations are unlikely unless is sprayed in an enclosed area. Use fresh air mask when mist or aerosol is present at concentrations higher than .20 mg/m3 - rat 4 hr. exposure.
SKIN CONTACT	Can be an irritant, use protective clothing. Prolonged contact could produce reddening, swelling etc. and skin sensitization and dermatitis in some individuals.
SKIN ABSORPTION	Unlikely, but irritating to skin, may cause rash in sensitive individuals.
EYE CONTACT	Can cause eye irritation, moderate reddening. Prolonged contact may lead to corneal damage but it is reversible and not permanent.
INGESTION	Could result in irritation, mild corrosive action in mouth, stomach tissue and digestive tract. However, it is not considered a common occupational route of exposure. LD50(oral); rat 9.4 gr./kg.

## EFFECTS OF OVEREXPOSURE

**ACUTE OVEREXPOSURE** Extensive exposure to concentrations of mist above recommended level could lead to bronchitis, bronchial spasm and pulmonary edema. These are usually reversible. Initial symptoms are runny nose, dryness of throat, coughing, headache or tightness of chest.

**CHRONIC OVEREXPOSURE** Delayed symptoms to isocyanate sensitive persons can respond to lower than recommended levels due to prior exposure at above recommended levels for extended periods.

## **EMERGENCY AND FIRST AID PROCEDURES**

**EYES:** Flush with clean lukewarm water for at least 15 minutes, occasionally lifting eyelids, and obtain medical attention.

**SKIN:** Remove contaminated clothing. Wash affected areas thoroughly with soap and water. Wash contaminated clothing before re-use.

**INHALATION:** Move to an area free from risk of further exposure. Administer oxygen or artificial respiration as needed. Obtain medical attention. Asthmatic type symptoms may develop or be delayed. Treat symptomatically. Do not induce vomiting. Give 250 ml of milk or water to drink. Do not give anything by mouth to an unconscious person. Consult a physician.

## **V1 REACTIVITY DATA**

### CONDITIONS CONTRIBUTING TO INSTABILITY

**INCOMPATIBILITY** Avoid contact with water, alcohol, amines and strong bases.

**HAZARDOUS DECOMPOSITION PRODUCTS:** By heat and fire; CO<sub>2</sub>, CO, oxides of nitrogen.

**CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION** None under normal conditions, may occur at temperatures above 400<sup>0</sup> F.

## **VII DISPOSAL, SPILL OR LEAK PROCEDURES**

**AQUATIC TOXICITY (EG. 96 HR. TLM):** N/A

**WASTE DISPOSAL METHOD:** Waste methods must conform to federal, state, and local environment control regulations.

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:** Evacuate non essential personnel. Ventilate the area. Dike or impound spilled material. Control further spillage. Cover spill with sawdust, Fuller's earth, vermiculite or other absorbent material; pour decontaminate. Allow to react for 10 minutes.

**NEUTRALIZING CHEMICALS:** 0-10% ammonium hydroxide, detergent 2-5% and balance water or solution of Tergitol TMN-10 (UC) 20% and water 80%

## VIII SPECIAL PROTECTION INFORMATION

VENTILATION REQUIREMENTS Exhaust ventilation is required to maintain air concentrations at a minimum and to maintain airborne concentrations below recommended level.

### SPECIFIC PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY ( SPECIFY IN DETAIL) Use of air supplied respirator is mandatory when .2 mg/m<sup>3</sup> is exceeded or concentration is unknown.

EYE Safety glasses with side shields, splash goggles or face shield.  
Contact lenses not recommended.

GLOVES Chemical resistant gloves.

OTHER CLOTHING AND EQUIPMENT Cover as much exposed skin area as possible with appropriate clothing. If skin creams are used, keep the area covered with cream to minimize.

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