

MATERIAL SAFETY DATA SHEET

Product Name: Solvent SB-1
Catalog Number: 60845S1
DOT Hazard Class: 3 (Flammable Liquid)
DOT Proper Shipping Name: Paint Related Material
UN/NA ID No. : UN 1263
MSDS Prepared: 9/2011

Distributed By: Ladd Research
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INGREDIENTS

	<i>CAS Number</i>	<i>Percent</i>	<i>Exposure Limits</i>
n-Propyl acetate	109-60-4	60-100	200ppm TWA (OSHA)
Toluene	108-88-3	10-30	200ppm TWA (OSHA)
n-Butyl alcohol	71-36-3	5-10	100ppm TWA (OSHA)
Isopropanol	67-63-0	1-5	400ppm TWA (OSHA)

PHYSICAL AND CHEMICAL DATA

Appearance and Odor: Colorless liquid with strong sweet hydrocarbon scent.

Odor Threshold: 2.14ppm

Boiling Point: >232°F

Melting Point: <32°F

Solubility in Water: Slightly soluble

Viscosity: <100cPs @ 25°C

Specific Gravity: 0.87

Vapor Pressure: ≥ 28.5 mm Hg

Vapor Density: ≥ 3.2 (Air = 1)

VOC: 100% / wt, 870 g/liter

FIRE AND EXPLOSION HAZARD DATA

Autoignition: 343°C

Flash Point: 7.2°C

Explosion Limits: 1.2% (LEL) and 12.0% (UEL)

Extinguishing Media: Foam, water spray or fog, CO₂, dry chemical. Do not use direct water stream on burning liquid.

Firefighting Procedures: Use a self-contained breathing apparatus and suitable protective clothing. Cool exposed equipment with water spray.

Hazardous Combustion Products: Oxides of carbon and unknown hydrocarbons

HEALTH HAZARD DATA

Danger! Cardiac sensitizer. May cause irregular heartbeat.

Eye: Severe / Very severe irritant

Skin: Mild irritant. May be absorbed through skin. Prolonged or repeated contact may cause

defatting of the skin resulting in dryness, cracking and dermatitis.

Inhalation: May irritate respiratory system. Vapor has anesthetic properties and may cause headache, fatigue, dizziness and lack of coordination.

Ingestion: May irritate GI tract May cause nausea and vomiting. Slightly toxic. Small amounts may cause signs of alcoholic intoxication. High levels will produce deep coma and possibly death. Aspiration into the lungs may cause chemical pneumonitis, which may be fatal.

EMERGENCY AND FIRST AID

Eye: Immediately irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. Obtain immediate medical attention.

Skin: Flush exposed areas thoroughly with soap and water until all chemical is removed. If symptoms persist obtain medical attention.

Inhalation: Using proper respiratory protection, immediately remove the affected victim from exposure. Administer rescue breathing if breathing has stopped. Keep at rest. Obtain medical attention.

Ingestion: DO NOT induce vomiting. Keep at rest. Treat symptomatically and supportively. If individual is conscious, give water to dilute stomach contents. Get prompt medical attention.

REACTIVITY DATA

Reactivity: Can react with oxidizing materials.

Stability: Stable

Materials to Avoid: Oxidizers, nitric acid, strong lewis acids, peroxides, amines, reducing agents, organic peroxides, aluminum, copper acid anhydrides, mineral acids

Conditions to Avoid: Elevated temperatures

Hazardous decomposition products: Thermal decomposition products are hazardous and/or toxic. They are: Oxides of Carbon and unknown hydrocarbons

Hazardous Polymerization: Will not occur

SPILL, DISPOSAL AND STORAGE INFORMATION

Spill: Ventilate area. NIOSH approved respirator if required. Self-contained breathing apparatus in emergency and non-routine situations. Isolate hazard area and deny entry. Isolate the source of the leak, if possible. Do not allow to enter drains, sewers or watercourses. Contain spill and pump up as much as possible. Absorb the remaining material on sand, sawdust, etc., for landfill or incineration. Scrape absorbed material into proper waste containers. Wash area with soap and water. Prevent entry of wash water into drains or other waterways.

Disposal: Dispose of wastes and water in accordance with all applicable federal, state and local regulations.

Storage: Store in a well ventilated place away from heat and sources of ignition. Keep away from oxidizing agents. Please note: All handling equipment must be properly grounded. Ground containers securely when transferring contents. Wear low static or properly grounded shoes.

PROTECTIVE EQUIPMENT AND CONTROL MEASURES

Ventilation Requirements: Use in a well-ventilated area. Provide local exhaust ventilation system to meet published exposure limits. Mechanical ventilation recommended.

Eye Protection: Wear eye/face protection. Safety spectacles/goggles/full face shield.

Glove: Neoprene or nitrile rubber gloves are highly recommended

Respirator: Required if the exposure level is unknown or has been measured and found to exceed the published exposure limits. NIOSH approved respirator if required. Wear a self-contained breathing apparatus in emergency and non-routine situations.

SECTION 313 SUPPLIER NOTIFICATION

The following components are subject to the reporting requirements of SARA section 313

Toluene CAS [108-88-3]

n-Butyl alcohol CAS [71-36-3]

Isopropyl alcohol CAS [67-63-0]

The information presented is believed to be correct and is the most accurate information available to us at this time. However, Ladd Research makes no warranty, express or implied, and assumes no liability for this information and the product described herein.