

Signs & Symptoms of Short-Term (Acute) Exposure

Threshold limit value (TLV): Not established. Prolonged or repeated exposures can cause sensitization. Irritation may be delayed, so exposure can go unnoticed. Avoid all direct contact.

4 FIRST AID MEASURES

Skin

Wash affected area thoroughly with soap and water. Wash contaminated clothing before re-use. If irritation develops and persists, seek medical attention.

Eye

Flush with water for at least 15 minutes and seek a physician immediately.

Inhalation

Remove person to fresh air and call a physician if symptoms persist.

Ingestion

If appreciable quantities are ingested, seek medical attention.

5 FIRE FIGHTING MEASURES

Extinguishing Media

CO 2 or dry chemical.

Basic Fire Fighting Procedures

Use self-contained positive pressure breathing apparatus and protective clothing.

Unusual Fire & Explosion Hazards

Hazardous polymerization may occur. Using streams of cooling water to avoid this, if necessary.

Flash Point

54 - 57 C (Rapid Tester, Closed Cup)

Flammability Limits in Air, Lower, % by Volume Not established

Flammability Limits in Air, Upper, % by Volume Not established

6 ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedure

Scoop up and collect excess material, using inert absorbent material. Collected material should be disposed in approved fashion. Appropriate protective clothing, including rubber gloves and chemical splash goggles, should be worn during these procedures.

7 HANDLING & STORAGE

Storage

Store in the dark away from excessive heat, sources of ignition, sunlight and other ultraviolet light sources. Store between 50° and 80°F (10° and 27°C).

Ventilation

This material should be used only with adequate ventilation. Use of local exhaust ducts, fume hoods and/or other mechanical exhaust ventilation is recommended. Respiratory equipment is not required, unless ventilation provisions are inadequate to meet PEL's. NIOSH/MSHA approved respirators with organic vapor cartridges and particulate prefilters are recommended.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye Protection: Personal Protection Equipments (PPE)

Wear chemical splash goggles. Do not wear contact lenses while handling this material.

Skin Protection: Personal Protection Equipments (PPE)

Wear chemical resistant gloves. Do not use vinyl gloves. Inspect gloves frequently for cuts or holes and discard damaged gloves. Wash hands with soap and water after handling this product. Do not clean skin with solvents; solvents might increase skin penetration by this product, as well as being potentially toxic themselves.

Respiratory Protection: Personal Protection Equipments (PPE)

Use of local exhaust ducts, fume hoods and/or other mechanical exhaust ventilation is recommended. Respiratory equipment is not required, unless ventilation provisions are inadequate to meet PEL's. NIOSH/MSHA approved respirators with organic vapor cartridges and particulate prefilters are recommended.

General

Effects from the UV curing process:

Heat generated by UV light sources can volatilize small amounts of monomers before the polymerization is complete.

These volatilized monomers can be irritating if ventilation is inadequate.

9 PHYSICAL & CHEMICAL PROPERTIES

Odor and Appearance

Variouly colored Viscous liquid Solvent odor.

Boiling Point	Not established
Specific Gravity	1 - 1.2
Percent Volatile	30 - 40
Vapor Pressure	Not established
Evaporation Rate	<1 (butyl acetate=1)
Vapor Density	>1 at 20 degrees C (air=1)
Solubility In Water	Insoluble
Volatile Organic	3 - 4 lb/gal

10 STABILITY & REACTIVITY

Stability/Incompatibility

Stable Incompatible with: Polymerization catalysts, oxidizing agents and peroxides. Conditions to avoid: Excessive heat, sources of ignition, sunlight and other UV light sources.

Hazardous Reactions/Decomposition Products

Burning may produce carbon monoxide. Incomplete combustion would result in the boiling off of acrylic monomers and generation of smoke. No hazardous decomposition products are expected during normal storage and usage conditions.

Hazardous Polymerization

May occur. Conditions to avoid: Excessive heat, sunlight and other UV light sources, polymerization catalysts, peroxides, and oxidizing agents.

11 TOXICOLOGICAL INFORMATION

Routes of Exposure

Inhalation of vapors, direct contact with skin or eyes.

12 ECOLOGICAL INFORMATION

13 DISPOSAL CONSIDERATIONS

Waste Disposal

Chemical incinerator or state approved waste disposal site. Comply with federal, state and local regulations. RCRA

Hazardous Waste No.:

This material is not offered as a waste, and so has not been tested as a waste. End user should make own evaluation of the characteristics of material at time of disposal.

14 TRANSPORT INFORMATION

General Transportation Information for Non-Bulk Shipments

Proper Shipping Name	Printing Ink	UN/NA Code	UN 1210
Hazard Class	3, Flammable Liquid		
Packaging Group	III		
Labels Required	Flammable Liquid		

15 REGULATORY INFORMATION

Federal Regulations

All major components of this product are listed on the TSCA Inventory. A proprietary minor ingredient (less than 5% by weight in product) is listed under Section 313, SARA Title III.

SARA TITLE III RATINGS

Immediate Hazard	X	Delayed Hazard	X	Fire Hazard	X	Pressure Hazard	-
Reactivity Hazard	-						

WHMIS RATINGS

Compressed Gas	Flammable/Combustible	Oxidizer	Acutely Toxic
Other Toxic Effects	Bio Hazardous	Corrosive	Dangerously Reactive

NFPA Ratings

Health	2	Flammability	2	Reactivity	1	Special Hazards
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HMIS Ratings

Health	2	Flammability	2	Reactivity	1	Personal Prot. Equip.
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16 OTHER INFORMATION

Disclaimer

To the best of our knowledge, the information contained herein is accurate. However, Trans Tech America, Inc. does not assume any liability whatsoever for the accuracy or completeness of this information. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Completed On	6/23/2008	Replaces Sheet Dated	9/26/2007
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