

**MATERIAL SAFETY DATA SHEET**

DATE PREPARED/REVISED: 1/1/09R      PREPARER: MID-WEST INDUSTRIAL CHEMICAL CO.  
IDENTIFICATION NUMBER: 1414-4  
Number of Pages: 3      LEGEND: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

**SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME: 1414-4 NEOPRENE ADHESIVE**

HMIS RATINGS: HEALTH: 2 FLAMMABILITY: 3 REACTIVITY: 0

PERSONAL PROTECTION See Sections VII & VIII

HAZARD INDEX 4 Severe Hazard, 3 Serious Hazard, 2 Moderate Hazard, 1 Slight hazard, 0 Minimal Hazard

**SUPPLIER:**

**MID-WEST INDUSTRIAL CHEMICAL CO.**

**TELEPHONE: 314 781-5831**

**1509 SUBLETTE AVE, ST. LOUIS, MISSOURI 63110-1978**

Chemtrec Telephone Number For <u>Emergency</u> Use Only Spill, leak, fire, explosion, accident 1-800-424-9300 (24 Hours)
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**SECTION 2 - HAZARDOUS INGREDIENTS/ IDENTITY INFORMATION**

CHEMICAL NAME & CAS#	Common Name	EXPOSURE LIMITS		Other Limits	% / WT
		OSHA PEL	ACGIH TLV		
N-Hexane & Hexane CAS#110-54-3	N.A.	50 PPM	50 PPM	N.A.	21.0
Heptane CAS#142-82-5	N.A.	400 PPM	400 PPM	N.A.	13.0
Toluene CAS#108-88-3	Toluol	50 PPM	50 PPM	N.A.	44.0
Synthetic Rubber, Resins	N.A.	N.A.	N.A.	N.A.	22.0

<b>CARCINOGENICITY:</b> National Toxicity Program: NO	I.A.R.C. Monographs: NO	O.S.H.A. Regulated: NO
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**VOLATILE ORGANIC COMPOUNDS (VOCS):** 5.52 lbs/gal. 662 gms/ltr

**SECTION 3 - PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE & ODOR:** Light Tan color, mobile liquid, Toluene solvent odor.

<b>BOILING POINT/RANGE:</b> (°F)	152.0	<b>SPECIFIC GRAVITY (H<sub>2</sub>O=1):</b>	0.85
<b>VAPOR PRESSURE (mm Hg):</b>	125.0	<b>PERCENT VOLATILE (By VOL)</b>	85.0
<b>VAPOR DENSITY (AIR=1):</b>	3.20	<b>EVAPORATION RATE (Butyl Acetate = 1)</b>	<b>GREATER</b>
<b>SOLUBILITY in WATER:</b>	Negligible	<b>EVAPORATION RATE (Ethyl Ether = 1)</b>	<b>LESS</b>

**SECTION 4 - FIRE & EXPLOSION HAZARD DATA**

**FLASH POINT (T.C.C.):** -20°F / -28° C

**FLAMMABLE LIMITS (% by Volume):**  
Lower Explosion Limits: 1.0      Upper Explosion Limits: 7.0

**FIRE FIGHTING MEASURES:**  
Fire extinguishing media: CO<sub>2</sub>, dry chemical, foam.

**SPECIAL FIREFIGHTING PROCEDURES:** Do not use water as it may be ineffective. Water maybe used to cool closed containers. Wear self-contained breathing apparatus and protective clothing in fighting fires to avoid inhalation of smoke and vapors.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**  
Vapors may cause flash fire! Vapors may ignite explosively!

**SECTION 5 - REACTIVITY DATA**

**STABILITY:** This product is stable under normal storage conditions.

**CONDITIONS TO AVOID:** Fire, Excessive heat.

**INCOMPATIBILITY(Materials to avoid):** Strong oxidizing agents.

**HAZARDOUS DECOMPOSITION or BYPRODUCTS:** CO, CO<sub>2</sub>, HCL CL<sub>2</sub>, HYDROCARBONS.

**HAZARDOUS POLYMERIZATION:** Will not occur under normal conditions.

**CONDITIONS TO AVOID:** N/A

**SECTION 6: HEALTH HAZARD DATA**

**PRIMARY ROUTE(S) OF ENTRY:** INHALATION, SKIN CONTACT, SKIN ABSORPTION, INGESTION, EYE CONTACT.

**WARNING: TARGET ORGAN EFFECTS:** This product is comprised of multiple ingredients both hazardous and non-hazardous materials. Since the quantity of each ingredient varies from less than 1% to as much as 99%, it is not possible to determine precise exposures to each individual material within the mixture. With regard to target organs, one or more of the following may be affected out of normal use or misuse of the product: Human and unborn human lungs, skin, brain, heart, kidneys, liver, reproductive organs, central nervous system and the blood.

**Health Hazards (Acute & Chronic)**

**EFFECTS OF OVEREXPOSURE:**

**INGESTION:** can cause gastrointestinal irritation, nausea, vomiting and diarrhea. aspiration of material into lungs can cause chemical pneumonitis and pulmonary edema.

**INHALATION:** excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, nausea, impairment of coordination and even asphyxiation. Can cause motor neuropathy and parathesia in distal extremities upon excessive exposure.

**SKIN CONTACT:** prolonged and repeated skin contact can cause defatting and drying of the skin which can result in skin irritation and dermatitis.

**EYE CONTACT:** can cause severe irritation, redness, tearing, blurred vision.

**CHRONIC HAZARDS:** Overexposure may cause headache, nausea, dizziness, impairment of coordination.

**FIRST AID PROCEDURES:**

**INHALATION:** Remove to fresh air. If not breathing, administer artificial respiration. Call doctor.

**SKIN CONTACT:** Remove with mineral spirits followed by soap and water.

**EYE CONTACT:** Immediately flush eyes with large quantities of water for 10 minutes, Call doctor.

**INGESTION:** Get medical attention immediately.

**SECTION 7: PRECAUTIONS FOR SAFE HANDLING & USE**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Remove or extinguish all sources of flame, heat & sparks. Turn off all electric motors in area. Ventilate the area. Wear rubber gloves and use rags or disposable paper towel. Dispose of rags etc. in sealed containers.

**WASTE DISPOSAL METHOD:** Dispose of in accordance with Federal, State and local regulations.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: DANGER:** Extremely flammable. Harmful or fatal if swallowed. Keep away from heat and open flame. Use with adequate ventilation. Avoid prolonged or repeated skin contact. Avoid contact with eyes. Do not transfer to unmarked container.

**OTHER PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN! FOR INDUSTRIAL USE ONLY!** If resold or repackaged for household use, containers must be relabeled in accordance with the Federal Hazardous Substances Labeling Act.

**STORAGE:** See technical data sheet for storage information.

**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

**ENGINEERING CONTROLS: VENTILATION:** Local Exhaust: general dilution ventilation of sufficient volume and pattern to keep vapor concentration below 50 PPM.  
**MECHANICAL (General)**

**RESPIRATORY PROTECTION:** If required, use NIOSH approved respirator for organic vapor and mist in compliance with OSHA Standard 29 CFR 1910.134.

**SKIN PROTECTION:** impermeable gloves to minimize skin contact.

**EYE PROTECTION:** Wear safety glasses with side shields (or goggles).

**OTHER PROTECTIVE EQUIPMENT:** Eye bath and safety shower.

**HYGIENIC PRACTICES:** Wash with soap and water before eating, drinking, smoking or using toilet facilities.

**SECTION 9 - TRANSPORTATION INFORMATION**

**DOT PROPER SHIPPING NAME:** ADHESIVES

**DOT HAZARD CLASS:** 3

**DOT UN/NA NUMBER:** UN1133

**RESP. GUIDE Number:** 127

**HAZARD SUBCLASS:**

**PACKING GROUP:** II

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"Essentially similar" to OSHA-174

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