



MATERIAL SAFETY DATA SHEET

CHROMATE INDUSTRIAL CORPORATION®
5250-A Naiman Parkway, Solon, OH 44139 • 888-567-2206 • www.chromate.com

**FOR CHEMICAL
EMERGENCY**

Call ChemTrec day/night:
1-800-424-9300

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: RED LION LIQUID ELECTRICAL TAPE
PART NUMBER: 74547

DATE PREPARED: March 9, 2009

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SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

MATERIAL	CAS REG #	% WEIGHT RANGE
XYLENE	1330-20-7	14%
ACETONE	67-64-1	5%
METHYL ETHYL KETONE	78-93-3	40%

EXPOSURE LIMITS

	ACGIH		OSHA		COMPANY	
	TLV-TWA	TLV-STEL	PEL-TWA	PEL-CEILING	TLV-TWA	SKIN
XYLENE	100 ppm	150 ppm	N/A	N/A		NO
ACETONE	N/A	N/A	N/A	N/A		NO
METHYL ETHYL KETONE	200 ppm	300 ppm	200 ppm	N/A		YES

See Section 16 for Abbreviation Legend

SECTION 3 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Eyes: In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention.

Skin Contact: Wash thoroughly with soap and water.

Inhalation: If affected by inhalation of vapors or spray mist, remove to fresh air.

Ingestion: If swallowed, get medical attention immediately. *DO NOT INDUCE VOMITING*. Keep person warm, quiet and get medical attention. Aspiration of this material into the lungs due to vomiting can cause chemical pneumonitis, which can be fatal.

EFFECTS OF OVER-EXPOSURE:

EYES: Irritation. Symptoms are tearing, redness and discomfort. Causes eye, skin, nose and throat irritation. Causes sever irritation, experienced as discomfort or pain, excess blinking and tear production, with marked excess redness and swelling of the conjunctiva. Severely irritating. If not removed promptly, will injure eye tissue which may result in permanent damage.

SKIN: Irritation. Cause de-fatting of skin which may lead to dermatitis. Toxic by absorption through skin with same effects as shown by inhalation. Prolonged exposure may cause a skin sensitization reaction in susceptible individuals. Brief contact may cause slight irritation with itching and local redness.

INHALATION: Irritation to nose and throat. Extended or repeated exposure to concentrations above the recommended exposure limits may cause brain or nervous system depression, with symptoms such as dizziness, headache. If continued indefinitely, loss of consciousness, liver and kidney damage.

Reports have associated repeated or prolonged occupational over-exposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Excessive inhalation of vapors can cause respiratory irritation, dizziness, headache, nausea and asphyxiation. Use with caution. 371. Due to its low vapor pressure, the inhalation exposure hazard potential is regarded to be low. However if the product is heated, misted or sprayed, concentrations above the recommended levels may be reached and mucous membranes and upper respiratory irritations may result.

INGESTION: May cause mouth, throat, esophagus and stomach irritation, nausea, vomiting and diarrhea. If ingested, *DO NOT INDUCE VOMITING*, keep person warm, quiet and get medical attention. Aspiration of material into lungs can cause chemical pneumonitis which can be fatal. Moderately toxic. May cause abdominal discomfort, nausea, vomiting and diarrhea.

N/A — NOT APPLICABLE
N/L — NOT LISTED

N/D — NOT DETERMINED

N/E — NONE ESTABLISHED

N/R — NOT REGULATED

SECTION 3 (cont'd) – HAZARDS IDENTIFICATION**EFFECTS OF OVER-EXPOSURE (continued):**

CHRONIC HAZARDS: Reports have associated repeated and prolonged occupational over-exposure to solvents with permanent brain and nervous system damage. If swallowed, *DO NOT INDUCE VOMITING*. Keep person warm, quiet and get medical attention. Aspiration of this material into the lungs due to vomiting can cause chemical pneumonitis which can be fatal.

PRIMARY ROUTES OF ENTRY: Skin contact, inhalation, ingestion and eye contact.

SECTION 4 – FIRST AID MEASURES

EYE: In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention immediately. Rinse with water for 15 minutes.

SKIN: Wash with soap and water immediately. Wash affected area with soap and water. Remove contaminated clothing before reuse: do not re-use leather or absorbent shoes. Wash skin with mild soap and water; apply a good quality skin cream. If irritation persists, consult a physician.

INHALATION: If affected by inhalation of vapors or spray mist, remove to fresh air. Remove victim to fresh air immediately. If coughing, difficult breathing or any other respiratory symptoms develop, seek medical attention at once. Remove to fresh air if difficulty in breathing.

INGESTION: If swallowed, get medical attention immediately!! If ingested, *DO NOT INDUCE VOMITING*. Keep person warm and quiet and get medical attention. Aspiration of material into lungs can cause chemical pneumonitis which can be fatal. Seek medical attention.

SECTION 5 – FIRE-FIGHTING MEASURE

Flash Point: 60°F (16°C) (Setaflash Closed Cup)

Lower Explosive Limit (LEL): 0.3%

Auto-Ignition Temperature: N/L

Upper Explosive Limit (UEL): 11.5%

Extinguishing Media: Alcohol Foam, CO₂, Dry Chemical Foam, Water, Fog

UNUSUAL FIRE/EXPLOSION HAZARDS: Vapors may cause flash fire. Keep container tightly closed and isolate from heat, electrical equipment, sparks and flame. Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. Keep containers tightly closed. Isolate from heat, electrical equipment sparks and open flame. Closed containers may explode when exposed to extreme heat. Vapors are heavier than air and may travel along the ground, collect in low areas or may ignite at distant location. Do not weld on or near container, even when empty. Decomposition by burning in open flame may yield toxic hydrogen chloride gas and combustion by-products. Water and foam may cause frothing.

SPECIAL FIRE-FIGHTING PROCEDURES: Water spray may be used to reduce rate of burning and for cooling containers. Fire fighter and other exposed to vapors or products of combustion should wear self-contained breathing apparatus. During emergency conditions, decomposition products can cause health hazard. Use self-contained breathing apparatus with full face shield operated in pressure demand or other positive; pressure mode. Burning will produce toxic flames. Wear self-contained breathing apparatus and full turn-out gear to fight fire. Do not direct a solid stream of water or foam into hot, burning pools. This may cause frothing and increase fire intensity. Use a self-contained breathing apparatus and protective clothing.

SECTION 6 – ACCIDENTAL RELEASE MEASURES**STEPS TO BE TAKEN IN CASE SPILLED OR RELEASED:**

Remove all sources of ignition (flame, hot surfaces, and electrical, static or frictional sparks.) Avoid breathing vapors. Ventilate area. Contain and remove with inert absorbent and non-sparking tools. Remove all sources of ignition. Ventilate area. Absorb spill with an absorbent material such as sawdust, vermiculite or sand or place material into a closed container. If large spill, dike area to prevent this material from entering water systems or sewers. Wear protective equipment during cleanup. Eliminate all sources of ignition. Contain spill and absorb with absorbent material such as sand. Shovel into drums or other suitable containers using non-sparking tools. Notify appropriate authorities if spill enters environment. Collect for disposal. Avoid runoff to sewers or waterways. Wear suitable protective equipment. Vacuum with HEPA filter or use wet clean up technique to avoid dusting. Keep recovered material enclosed.

N/A — NOT APPLICABLE
N/L — NOT LISTED

N/D — NOT DETERMINED

N/E — NONE ESTABLISHED

N/R — NOT REGULATED

SECTION 7 – HANDLING AND STORAGE

HANDLING: Avoid prolonged or repeated inhalation of heated vapors or spray mists. Keep away from heat or open flame. Avoid prolonged or repeated skin contact.

WARNING! Causes eye damage. May cause allergic skin reaction. Do not get in eyes, on skin or clothing.

HARMFUL IF SWALLOWED OR INHALED. Avoid breathing dust. Use with adequate ventilation.

WARNING!! Harmful if absorbed through the skin! *DO NOT SWALLOW.* Causes eye and skin irritation. Keep containers tightly closed. No smoking or eating in the handling areas. Wash thoroughly after handling.

STORAGE: Keep away from excessive heat, sparks and open flame. Keep closures tight when not in use. Keep containers upright to prevent leakage. Store in cool, dry place. Protect from heat and flame. Store drum out of intense sunlight and away from heat.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Efficient local exhaust ventilation is required.

RESPIRATORY PROTECTION: Do not breathe vapors. Wear an appropriate, properly fitted respirator (NIOSH-MSHA-approved) during use of this product until vapors are exhausted. Unless air monitoring demonstrates vapor levels are below applicable limits. Follow respirator manufacturer's direction for respirator use. Observe standard 29 CFR 1910.134. A canister-type respirator must be worn to prevent the inhalation of vapors or spray mists when the TLV or PEL is exceeded. Approved NIOSH/MSHA (nuisance dust) is necessary under certain conditions where airborne contaminants may exceed exposure limits. Use supplied air respiratory protection in confined or enclosed spaces if needed.

SKIN PROTECTION: Chemical resistant nitrile, neoprene or rubber gloves required. Rubber or plastic gloves.

EYE PROTECTION: Chemical goggles or face shield recommended. Safety glasses with side shields.

OTHER PROTECTIVE EQUIPMENT: Wear protective clothing to prevent skin contact. Eye wash station and safety shower should be available. Readily available eye wash fountain, safety shower. Remove and separately launder contaminated clothing before reuse.

HYGIENIC PRACTICES: Wash hands before eating or smoking . Smoke is designated areas only.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 131-449°F

Odor: Solvent

Appearance: Black liquid

Solubility in Water: No

Freeze Point: N/A

Vapor Pressure: No information

Physical State: Heavy Liquid

Co-Efficient of Water/Oil Distribution: N/A

Vapor Density: Is heavier than air.

Odor Threshold: No information

Evaporation Rate: Faster than ether

Specific Gravity: 0.9752

pH @ 0.0%: N/A

Viscosity: 1800-2000 CP

SECTION 10 – STABILITY AND REACTIVITY DATA

CONDITIONS TO AVOID: Very high temperature and open flames.

INCOMPATIBILITY (Materials to Avoid): Amines, acids, and strong bases, strong alkalis. High temperatures in the presence of strong bases. Acids. Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: *Burning can Produce the Following Combustion Products:*

Carbon monoxide and/or carbon monoxide. Carbon monoxide is highly toxic if inhaled; Carbon dioxide in sufficient concentrations can act as an asphyxiant. Hydrogen chloride, Carbon monoxide, Carbon dioxide and acetic acid. Carbon dioxide, Carbon monoxide and various hydrocarbons.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

SECTION 11 – TOXICOLOGICAL INFORMATION

No product or component toxicological information is available.

SECTION 12 – ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No information.

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Obey relevant local, state and federal laws. Product is highly toxic to fish. Do not contaminate any lakes, streams, ponds, underground water supply. Do not discharge effluent containing this product to sewer system without prior notice. Dilute with inert solvent and incinerate in a furnace where permitted under appropriate federal, state and local regulations. Preferred disposal methods would be by supervised incineration at an approved chemical disposal area under federal, state and local authority. Dispose of in accordance with local, state and federal regulations. Do not incinerate closed containers. Incinerate in approved facility.

SECTION 14 – TRANSPORT INFORMATION

Call for information.

SECTION 15 – REGULATORY INFORMATION

THIS PRODUCT CONTAINS THE FOLLOWING NON-HAZARDOUS COMPONENTS:

CHEMICAL NAME	CAS NUMBER	WT/WT %
STYRENE-ACRYLATE COPOLYMER	68240-06-2	0.7%

US FEDERAL REGULATIONS, AS FOLLOWS:

OSHA: Hazardous by definition of hazard communication standard (29 CFR 1910, 1200)

CERCLA -SARA HAZARD CATEGORY:

This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372:

CHEMICAL NAME	CAS NUMBER
LENSPLAS ESO-1	8013-97-8
K-FLEX	120-55-8
VINYL CHLORIDE/VINYL ACETATE CO-POLYMER	9003-22-9
XYLENE	1330-20-7
ACETONE	67-64-1
METHYL ETHYL KETONE	78-93-3
PLIOLITE AC -4	68240-06-2
HGI-TALC	14807-96-6
COLORANT	

SECTION 15 (continued) – REGULATORY INFORMATION**TOXIC SUBSTANCES CONTROL ACT:**

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(b) if exported from the United States:

CHEMICAL NAME	CAS NUMBER
LENSPLAS ESO-1	8013-97-8
K-FLEX	120-55-8
VINYL CHLORIDE/VINYL ACETATE CO-POLYMER	9003-22-9
XYLENE	1330-20-7
ACETONE	67-64-1
2-BUTANONE	78-93-3
STYRENE-ACRYLATE COPOLYMER	68240-06-2

INTERNATIONAL REGULATIONS, AS FOLLOWS:

CANADIAN WHMIS: This MSDS has been prepared in compliance with controlled product regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: Class B, Division 2

SECTION 16 – OTHER INFORMATION

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

VOLATILE ORGANIC COMPOUNDS (VOCs): 5.43 lbs./GAL 651 Grams/LTR

This information contained on this MSDS has been checked and should be accurate. However, it is the responsibility of the user to comply with all federal, state and local regulations.