



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

PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: RED LION STL ENGINE CLEANER
PART NUMBER: 74183

DATE PREPARED: February 20, 2009
CHROMATE INDUSTRIAL CORPORATION
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DOT Hazard Classification: ORM-D
NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA

SECTION 1 – HAZARDOUS INGREDIENTS / HEALTH HAZARD DATA

NFPA RATING: HEALTH: 2 FLAMMABILITY: 2 REACTIVITY: 0 SPECIAL: --
HMIS RATING: HEALTH: 2 FLAMMABILITY: 2 REACTIVITY: 0 PERSONAL PROTECTION: B

COMPONENTS-CHEMICAL NAMES/ COMMON NAMES

(Hazardous Components 1% or greater; Carcinogens 0.1% or greater)

	CAS #	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
AROMATIC PETROLEUM DISTILLATES	64742-95-6	No	400	400	d
2 BUTOXYETHANOL *	111-76-2	Yes	25 (skin)	20 (skin)	d
ISOBUTANE / PROPANE BLEND	75-28-5	No	800	800	d
*GLYCOL ETHER	74-98-6	No	1000	1000	d

SECTION 2 – PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: N/A
Vapor Pressure: PSIG @ 70°F (Aerosols): Max.60
Vapor Density (Air = 1): N/E
Solubility in Water: Soluble
Appearance and Odor: Water white clear spray with petroleum odor.

Specific Gravity (H₂O=1): Concentrate Only = 0.987
Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): N/A
Evaporation Rate (= 1): N/E
Water Reactive: No

SECTION 3 – FIRE & EXPLOSION HAZARD DATA

FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols) NOT FLAMMABLE

Auto-Ignition Temperature: N/E

Flammability Limits in Air by % in Volume: % LEL: N/E % UEL: N/E

FLASH POINT AND METHOD USED (non-aerosols): N/A

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus.

EXTINGUISHER MEDIA: Foam, dry chemical, carbon dioxide, water.

Unusual Fire & Explosion Hazards: Do not expose aerosols to temperatures above 130°F or the container may rupture.

SECTION 4 – REACTIVITY HAZARD DATA

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

Incompatibility (Materials to avoid): Strong oxidizing agents

Conditions to Avoid: Open flame, welding arcs, heat, sparks.

Hazardous Decomposition Products: CO, CO₂

N/A — NOT APPLICABLE
N/L — NOT LISTED

N/D — NOT DETERMINED

N/E — NONE ESTABLISHED

N/R — NOT REGULATED

SECTION 5 – HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: INHALATION

ACUTE EFFECTS:

Inhalation: Excessive inhalation of vapors can be harmful and may cause headache, dizziness, asphyxia, anesthetic effects and possible unconsciousness.

Eye Contact: Possible mild irritation.

Skin Contact: Possible mild irritation due to defatting of skin.

Ingestion: Possible chemical pneumonitis if aspirated into lungs. Nausea.

CHRONIC EFFECTS: (Effects due to excessive exposure to the raw materials of this mixture)

May cause liver abnormalities, kidney, spleen, lung or brain damage, skin cancer.

Medical Conditions Generally Aggravated by Exposure: May aggravate existing eye, skin, or upper respiratory conditions.

EMERGENCY FIRST AID PROCEDURES

Eye Contact: Flush with water for 15 minutes. If irritated, seek medical attention.

Skin Contact: Wash with soap and water. If irritated, seek medical attention.

Inhalation: Remove to fresh air. Resuscitate if necessary. Get medical attention.

Ingestion: *DO NOT INDUCE VOMITING.* Drink two large glasses of water. Get immediate medical attention.

SECTION 6 – CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (specify type): If vapor concentration exceeds TLV, use respirator approved by U.S. Bureau of Mines for organic vapor.

Protective Gloves: Neoprene gloves recommended

Eye Protection: Safety glasses recommended

Ventilation Requirements: Adequate ventilation to keep vapor concentration below TLV.

Other Protective Clothing & Equipment: None

Hygienic Work Practices: Wash with soap and water before handling food. Remove contaminated clothing.

SECTION 7 – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken If Material Is Spilled Or Released: Absorb with suitable medium. Incinerate or landfill according to local, state or Federal regulations. *DO NOT FLUSH TO SEWER.*

Waste Disposal Methods: Aerosol cans when vented to atmospheric pressure through normal use, pose no disposal hazard.

Precautions To Be Taken In Handling & Storage: Do not puncture or incinerate containers. Do not store at temperatures above 130°F.

Other Precautions &/or Special Hazards: *KEEP OUT OF REACH OF CHILDREN.* Avoid food contamination. Avoid breathing vapors. Remove ignition sources.

OTHER INFORMATION

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

** Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA
[d] Not Listed [e] Animal Data Only