

# MSDS Document

## Product Calsol 610

### 1. Chemical Product and Company Identification

**Trade Name of this Product** Calsol 610

**Synonyms:** 7120-00

**MSDS ID** 7120-00

**Manufacturer**

Calumet Lubricants Company  
2780 Waterfront Pkwy E. Suite 200  
Indianapolis, IN 46214

**Contact Name**

Anne Goldsmith

**Phone Number**

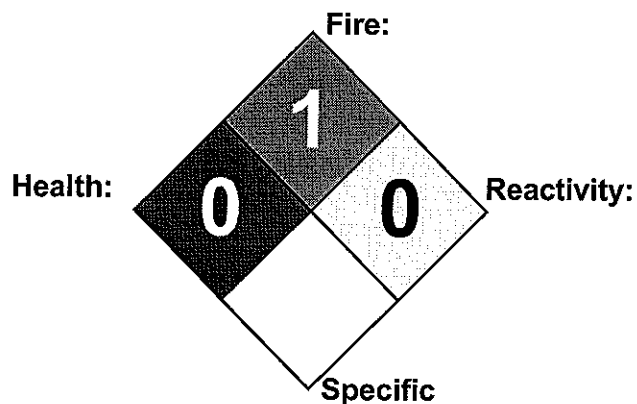
(317) 328-5660

**Emergency Phone**

CHEMTREC (800) 424-9300

unused

2/20/01



### 2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
Heavy Hydrotreated Naphthenic Distillates (petroleum)	64742-52-5	100.0 %	5	5	

### 3. Hazard Identification

**EMERGENCY OVERVIEW**

Not expected to cause a severe emergency hazard.

**POTENTIAL HEALTH EFFECTS**

**PRIMARY ROUTE(S) OF ENTRY**

Skin.

#### EYES

Tests on similar materials suggest that no eye effect be expected.

#### SKIN

Tests on similar materials indicate that no significant adverse health effects are expected to occur upon short-term exposure.

#### INGESTION

Tests on similar materials indicate no significant adverse effects expected. Practically non-toxic.

#### INHALATION

Tests on similar material indicate no acute effects are expected.

#### CHRONIC (CANCER INFORMATION)

Prolonged and/or repeated contact with this material may produce skin irritation and inflammation.

Carcinogen listed by: National Toxicology Program (NO)

I. A. R. C. (NO)

OSHA (NO)

ACGIH (NO)

This product does not require a cancer hazard warning in accordance with the OSHA Hazard Communication Standard.

#### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Personnel with pre-existing skin disorders should avoid contact with this product.

Health studies have shown that many petroleum hydrocarbons and synthetic lubricants pose potential human health risks which may vary from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized.

### 4. First Aid Information

#### EYES

If splashed into eyes, flush with clear water for 15 minutes or until irritation subsides. If irritation persists, call a physician.

#### SKIN

In case of skin contact, remove any contaminated clothing and wash skin with soap and water. Launder or dry-clean clothing before reuse. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury. Prolonged or repeated skin contact may cause skin irritation.

#### INGESTION

Product is practically non-toxic. Do not induce vomiting. Obtain emergency medical attention.

#### INHALATION

Vapor pressure is very low. Vapor inhalation under ambient conditions is normally not a problem. If overcome by vapor from hot product, immediately remove from exposure and

call a physician. If breathing is irregular or has stopped, start resuscitation; administer oxygen, if available. If overexposed to oil mist, remove from exposure until excessive oil mist condition subsides.

## 5. Fire Fighting Measures

Flash Point	335
FP Method	ASTM D92
LEL	0.9
UEL	7

### FLAMMABLE PROPERTIES

FLASH POINT: >320°F >160°C COC ASTM D92

AUTO IGNITION: >500°F >260°C

FLAMMABILITY CLASS: IIIB

LOWER EXPLOSIVE LIMIT (%): 0.9 %

UPPER EXPLOSIVE LIMIT (%): 7 %

### FIRE AND EXPLOSION HAZARDS

Slightly combustible. OSHA/NFPA Class IIIB Combustible Liquid. If heated above its flash point will release flammable vapors which can burn in the open or be explosive in confined spaces if exposed to ignition source. Mists or sprays may be flammable below oils normal flash point. Keep away from extreme heat or open flame.

### EXTINGUISHING MEDIA

Foam, water spray (fog), dry chemical, carbon dioxide, and vaporizing liquid type extinguishing agents may all be suitable for extinguishing fires involving this type of product, depending on size or potential size of fire and circumstances related to the situation. Plan fire protection and response strategy through consultation with local fire protection authorities or appropriate specialists.

The following procedures for this type of product are based on the recommendations in the National Fire Protection Association's "Fire Protection Guide on Hazardous Materials", Tenth Edition (1991):

Use water spray, dry chemical, foam or carbon dioxide to extinguish the fire. Use water to keep fire-exposed containers cool. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for persons attempting to stop a leak. Water spray may be used to flush spills away from exposures. Minimize breathing of gases, vapor, fumes or decomposition products. Use supplied-air breathing equipment for enclosed or confined spaces or as otherwise needed.

### DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS

Fumes, smoke, carbon monoxide, aldehydes and other decomposition products, in the case of incomplete combustion.

## 6. Accidental Release Measures

### CLEAN WATER ACT / OIL POLLUTION ACT

This product may be classified as an oil under Section 311 of the Clean Water Act, and under the Oil Pollution Act. Discharges or spills into or leading to surface waters that cause a sheen must be reported to the National Response Center.

#### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Recover free product. Add sand, earth, or other suitable absorbent to spill area. Minimize skin contact. Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses, or extensive land areas.

Assure conformity with applicable governmental regulations.

### 7. Handling and Storage

#### HANDLING AND STORAGE PRECAUTIONS

Keep away from flames, sparks or hot surfaces. Never use a torch to cut or weld on or near container. Empty oil containers can contain explosive vapors. NFPA Class IIIIB storage. Wash thoroughly after handling.

#### WORK/HYGIENIC PRACTICES

Wash hands with soap and water before eating, drinking, smoking or use of toilet facilities. Do not use gasoline, solvents, kerosene, or harsh abrasive skin cleaners for washing exposed skin areas. Take a shower after work if general contact occurs. Remove oil-soaked clothing and launder before reuse. Launder or discard contaminated shoes and leather gloves.

#### "EMPTY" CONTAINER WARNING

"Empty" containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

Do not attempt to refill or clean containers since residue is difficult to remove. "Empty" drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

For work on tanks refer to Occupational Safety and Health Administration regulations, ANSI Z49.1, and other governmental and industrial references pertaining to cleaning, repairing, welding, or other contemplated operations.

### 8. Exposure Controls and Personal Protection

#### VENTILATION

Use local exhaust to capture vapor, mists or fumes, if necessary. Provide ventilation sufficient to prevent exceeding recommended exposure limit or buildup of explosive concentrations of vapor in air. No smoking, or use of flame or other ignition sources.

#### EYE/FACE PROTECTION

Use safety glasses or splash goggles when eye contact may occur. Have suitable eye wash water available.

#### SKIN PROTECTION

Avoid prolonged and/or repeated skin contact. If prolonged contact cannot be avoided, wear protective impervious gloves and clothing. Acceptable materials for gloves are polyvinyl chloride; neoprene; nitrile; polyvinyl alcohol; viton.

#### RESPIRATORY PROTECTION

Normally not required if adequate ventilation. If occupational exposure limits are exceeded wear NIOSH/MSHA approved apparatus.

#### OTHER/GENERAL PROTECTION

If there is a likelihood of splashing, an oil resistant clothing should be worn. Never wear oil soaked clothing. Launder or dry clean before wearing. Discard oil soaked shoes. Affix warning labels on containers in accordance with 29 CFR 1910.1200 (Hazard Communication Standard).

INGREDIENT NAME PERCENT BY VOLUME	CONCENTRATION EXPOSURE LIMITS
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Heavy Hydrotreated Naphthenic Distillates (petroleum)	100.0
CAS NUMBER: 64742-52-5 Exposure Limits: Oil Mist	
OSHA PEL mist 5 mg/m <sup>3</sup> for 8 hours	
ACGIH TLV mist 5 mg/m <sup>3</sup> for 8 hours	

### 9. Physical and Chemical Properties

Product CAS Number 64742-52-5  
Specific Gravity 0.8956

#### APPEARANCE

Clear, pale straw to water white, viscous liquid.

#### ODOR

Light bland petroleum.

#### ODOR THRESHOLD

N.D.

#### BASIC PHYSICAL PROPERTIES

PHYSICAL STATE: Liquid  
BOILING POINT: IBP ~465 (D2887)°F IBP ~241 (D2887)°C  
MELTING POINT: °20 (D97)°F °29 (D97)°C  
VAPOR PRESSURE: <0.01 mm Hg @ 20°C  
VAPOR DENSITY (AIR=1): >5  
SPECIFIC GRAVITY: 0.90 Water = 1  
MOLECULAR WEIGHT: 294  
PACKING DENSITY: N/A  
SOLUBILITY (H<sub>2</sub>O): negligible, <0.1%  
PERCENT VOLATILES: nil  
EVAPORATION RATE: <0.01 nBuAc=1  
pH: essentially neutral  
VISCOSITY: 109.6 SUS at 100°F

### 10. Stability and Reactivity

STABILITY: Stable. Will not react violently with water.

**CONDITIONS TO AVOID (STABILITY)**

Sources of ignition.

**INCOMPATIBLE MATERIALS**

Strong oxidizers such as liquid chlorine, concentrated oxygen, sodium hypochlorite, calcium hypochlorite, etc., as this presents a serious explosion hazard.

**HAZARDOUS DECOMPOSITION PRODUCTS**

Combustion may produce carbon monoxide and other asphyxiants.

**HAZARDOUS POLYMERIZATION:** will not occur

**11. Toxicological Information**

**ACUTE STUDIES**

Product has a low order of acute and dermal toxicity, but minute amounts aspirated into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.

**EYE EFFECTS**

Product contacting the eyes may cause eye irritation.

**SKIN EFFECTS**

Prolonged or repeated skin contact with this product tends to remove skin oils, possibly leading to irritation and dermatitis; however, based on human experience and available toxicological data, this product is judged to be neither a "corrosive" nor an "irritant" by OSHA criteria.

**ACUTE ORAL EFFECTS**

Product has a low order of acute and dermal toxicity, but minute amounts aspirated into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.

**ACUTE INHALATION EFFECTS**

Product has a low order of acute and dermal toxicity, but minute amounts aspirated into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.

In accordance with the current OSHA Hazard Communication Standard criteria, this product does not require a cancer hazard warning. This is because the product is formulated from base stocks which are severely hydrotreated, severely solvent extracted, and/or processed by mild hydrotreatment and extraction. Alternatively, it may consist of components not otherwise affected by IARC criteria, such as atmospheric distillates or synthetically derived materials, and as such is not characterized by current IARC classification criteria.

**12. Ecological Information**

No specific ecological data are available for this product. Please refer to Section 6 for information regarding accidental releases and Section 15 for regulatory reporting information.

**13. Disposal Considerations**

Follow federal, state and local regulations. Not a RCRA hazardous waste if uncontaminated. If "used", RCRA criteria must be determined. Do not flush to drain/storm sewer. Contract to

authorized disposal service. If permitted incineration may be practical. Recommend recycling.

**RCRA INFORMATION**

Not a RCRA hazardous waste if uncontaminated.

**14. Transportation Information**

PROPER SHIPPING NAME: Not regulated by DOT

HAZARD CLASS: Not applicable

DOT IDENTIFICATION NUMBER: N/A

DOT SHIPPING LABEL: Not regulated by DOT

**15. Regulatory Information**

**U.S. FEDERAL REGULATORY INFORMATION**

SARA 302 Threshold Planning Quantity: NOT APPLICABLE

SARA 304 Reportable Quantity : NOT APPLICABLE

SARA 311 Categories: Immediate (Acute) Health Effects --N

Delayed (Chronic) Health Effects --Y

Fire Hazard --N

Sudden Release of Pressure Hazard--N

Reactivity Hazard --N

EPA/TSCA Inventory: The components of this product are listed on the EPA/TSCA inventory of chemicals.

EPA Hazard Classification Code: NOT APPLICABLE

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA): No chemicals in this product are subject to the reporting requirements of CERCLA.

**SARA TITLE III - SECTION 313 SUPPLIER NOTIFICATION**

No chemicals in this product exceed the De Minimus reporting level established by SARA Title III, Section 313 and 40 CFR 372.

**EUROPEAN (ECC) REGULATORY INFORMATION**

This product is listed on the European Inventory of Existing Commercial Substances. EINECS # 265-15-0

**CANADIAN REGULATORY INFORMATION**

This product is listed on the Canadian (DSL) Domestic Substances List.

WHMIS Classification: NOT CONTROLLED

**16. Other Information**

**DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES**

The information contained herein is based upon data believed to be reliable and reflects our best professional judgment. Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein and assume no responsibility regarding the suitability of this information for the user's intended purpose or for the consequence of its use. Each individual should make a determination as to the suitability of the information for his/her particular purpose(s).