

**MATERIAL SAFETY DATA SHEET**

p150

Effective Date: November 1, 1994

Date Printed: January 6, 1999

MSDS: LCL

PRODUCT CODE: Chlorinated Paraffin

PRODUCT NAME: Paroil 150 -A

CAS #: 63449-39-8

PRODUCT USE: Lubricant, Lubricant Additive, Flame Retardant, Plastics Compounding

DOVER CHEMICAL CORPORATION, 3676 Davis Road, NW, P. O. Box 40, Dover, Ohio 44622

TEL: (330) 343-7711 FAX #: (330) 364-1579 EMERGENCY TEL: (330) 343-7711 CHEMTREC: 1-800-424-9300

COMPONENT	CAS #	EXPOSURE LIMITS	% By Wt.
Chlorinated Paraffin	63449-39-8	Not established	100

This particular product has not been shown to have adverse effects in years of manufacture and use. Chlorinated paraffins are a class of compounds that are similarly manufactured but vary in molecular structure by carbon chain length and degree of chlorination.

EEC 67/548: Not applicable

**EMERGENCY OVERVIEW**

Clear, light amber liquid with slight to non-distinctive odor (See Section 9). Avoid contact with eyes and repeated or prolonged inhalation or contact with skin (See Section 3 below). Avoid contact with strong oxidizers and reducers. Protect against decomposition products of hydrogen chloride and oxides of carbon (See Sections 5, 7 and 10).

HMIS RATING: HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 1 PPE: B

**POTENTIAL HEALTH EFFECTS**

EYE: May cause eye irritation.

SKIN: Repeated or prolonged contact may cause skin irritation.

INGESTION: No hazard in normal industrial use.

INHALATION: High gas or vapor or mist concentrations may be harmful if inhaled repeatedly or for prolonged periods of time.

CHRONIC EFFECTS: Not listed as human carcinogen by OSHA, IARC, or NTP.

SIGNS AND SYMPTOMS: Eye, skin or respiratory tract irritation.

MARKETED BY

**HARWICK STANDARD**  
**DISTRIBUTION CORPORATION**  
 60 S. Seiberling Street - Akron, Ohio 44305

**DOVER CHEMICAL CORPORATION**

1/6/99

Paroil 150 -4

**EYES:** Hold eyelid open; flush with large volume of water; continue for 15 minutes. If irritation develops, seek medical attention.

**SKIN:** Wash area with mild soap and water. If irritation develops, seek medical attention.

**INGESTION:** If swallowed, induce vomiting as directed by medical personnel. Never give anything by mouth to an unconscious person.

**INHALATION:** No specific treatment. This material is not likely to be hazardous by inhalation. If exposed to excessive levels of vapor or mist, remove to fresh air and seek medical attention.

**NOTE TO PHYSICIANS:** Treat as any exposure to any oil base material. (See Section 3 for observable SIGNS/ SYMPTOMS).

**FLAMMABLE PROPERTIES:** Flash Point: >450 ° F                      Method: C.O.C.                      Burn Rate: Unknown

**FLAMMABLE LIMITS:** Lower flammable limit: Not established  
Upper flammable limit: Not established

**FLAMMABILITY CLASSIFICATION:** Not established

**AUTOIGNITION TEMPERATURE:** Not established

**HAZARDOUS COMBUSTION PRODUCTS:** Hydrogen chloride, oxides of carbon

**EXTINGUISHING MEDIA:** Water fog; foam; dry chemical

**ADDITIONAL CONSIDERATIONS:** None

**FIRE FIGHTING INSTRUCTIONS:** Protect against decomposition products, wear self contained breathing apparatus. If this material is involved in a fire, keep surrounding containers cool with water spray and contain all runoff.

**NFPA 704M RATING:**      **HEALTH:** 1                      **FLAMMABILITY:** 1                      **REACTIVITY:** 1                      **SPECIAL:** -

Wear protective equipment (see Section 8); stop leak at source; dike area; prevent material from entering waterway; prevent contact with strong oxidizers and reducers (see Section 7); pump material to reclaim container; use absorbent on remaining material; and, shovel into disposal container.

**HANDLING:** Do not wear contaminated clothing. Wash prior to eating, drinking, smoking, or use of restroom and when leaving work. Heating of non-vented container may cause container to rupture. Do not dispose of material or empty container to the environment.

**STORAGE:** Do not store near heat or open flame.

**INCOMPATIBLE MATERIALS:** Strong oxidizers and reducers

**VENTILATION:** Local exhaust, unless heating to vapor or mist

**SPECIAL PACKAGING MATERIALS:** Not applicable

**DOVER CHEMICAL CORPORATION**

1/6/99

Paroil 150 - A

**ENGINEERING CONTROLS:** Mechanical if heated to vapor and mist; facility should be equipped with safety shower and eye wash in area.

**EYE FACE PROTECTION:** Face shield or chemical splash goggles

**SKIN PROTECTION:** Impervious gloves, chemical goggles, long sleeve shirt and trousers

**RESPIRATORY PROTECTION:** Not required under normal conditions of use, avoid vapor and mist without respiratory protection

**EXPOSURE GUIDELINES:** (See Section 2)

**APPEARANCE:** Clear, light amber liquid

**ODOR:** Slight to non-distinctive

**PHYSICAL STATE:** Liquid

**pH:** Not applicable

**VAPOR PRESSURE:** Unknown

**VAPOR DENSITY:** Heavier than air

**BOILING POINT:** Not applicable, material decomposes

**MELTING POINT:** Not applicable

**SOLUBILITY IN WATER:** Nil

**SPECIFIC GRAVITY:** 1.255 @ 50°/25° C

**CHEMICAL STABILITY:** Stable under normal ambient and anticipated storage and handling conditions

**CONDITIONS TO AVOID:** Avoid heating to decomposition

**INCOMPATIBILITY:** Strong oxidizing and reducing agents

**HAZARDOUS DECOMPOSITION PRODUCTS:** Hydrogen chloride, oxides of carbon

**HAZARDOUS POLYMERIZATION:** Will not occur

## DOVER CHEMICAL CORPORATION

1/6/99

Paraff 150 -A

**EYE EFFECTS:** Mild transient eye irritation

**SKIN EFFECTS:** Mild to moderate skin irritation

**INGESTION EFFECTS:** Male rat: 13 week oral; NOEL; 3750 mg/kg/day  
 Female rat: 13week oral; NOEL; 100 mg/kg/day  
 Rat: 14 day oral; NOEL; 3000 mg/kg/day

**INHALATION EFFECTS:** No data

**SUBCHRONIC EFFECTS:** No data

**CHRONIC EFFECTS/CARCINOGENICITY:** Product not tested by OSHA, IARC, or NTP

**EPIDEMIOLOGY:** No data

**TERATOLOGY:** Pregnant Dutch belted rabbits: NOEL; 5000 mg/kg/day  
 Pregnant Charles River COBS CD rats: 5000 mg/kg/day; no apparent embryotoxicity; minimal maternal effects

**REPRODUCTIVE EFFECTS:** Female rat: 13 week oral; 3750 mg/kg/day; Ovary target organ; accumulation in ovary not associated with any toxicological changes in that organ

**NEUROTOXICITY:** No data

**MUTAGENICITY:** Rat: 5000 mg/kg/day; In vivo cytogenetic evaluation by analysis of bone marrow did not produce any increase in frequency of chromosome or chromatid abnormalities. Not clastogenic

**SYNERGISTIC PRODUCTS:** No data

**ECOTOXICITY:** Rainbow trout: 60 day; mean concentration 4.0 mg/l; material not toxic; Bioconcentration factor of 3.6-9.0 times on total material figures  
 Mussels: 60 day; NOEL; .32 mg/l; Bioconcentration of 87.2-1000 based on parent compound analysis

**ENVIRONMENTAL FATE:** No data

**PHYSICAL/CHEMICAL:** (See Sections 9 and 10)

According to local, state and federal regulations:

The presence of chlorinated paraffin in a waste does not, by itself, make the waste hazardous. (40 CFR 261, Appendix VIII)

Because product uses, mixtures, processes, or contamination may render this material hazardous, it is the responsibility of the user/owner of the product to determine at the time of disposal, whether the product meets RCRA criteria for a hazardous waste. Dispose of this material and the empty containers, liners and rinsate according to current local, state, and federal regulations.

**DOVER CHEMICAL CORPORATION**  
Paroil 150 -A

1/6/99

DOT SHIPPING NAME: Chlorinated Paraffin  
DOT HAZARD CLASS/DESCRIPTION: Not applicable  
DOT LABEL: Not applicable  
DOT PLACARD: Not applicable  
DOT UN/NA NUMBER: Not applicable  
DOT PRODUCT RQ: Not applicable

IMO CLASSIFICATION: Not applicable

EEC CLASSIFICATION: Not applicable  
EEC LABEL: Not applicable  
EEC R: Not applicable  
EEC S: Not applicable

TRANSPORT CANADA PIN: Not applicable

**U.S. FEDERAL REGULATIONS:**

TSCA: Appears in TSCA Inventory

OSHA: None

**CERCLA SARA HAZARD CATEGORY:**

SECTION 311 AND 312: 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: None

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: None

**INTERNATIONAL REGULATIONS:**

CANADIAN WHMIS: None

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA): Appears in the Domestic Substances List

EINECS: Appears in European Existing Chemical Substance Inventory

STATE REGULATIONS: No specific listing in California or New Jersey. Additional information available upon request.

MSDS Status: Revised, May 1, 1996 (See Section 1)

The information herein is given in good faith, but no warranty, express or implied, is made. Consult **DOVER CHEMICAL CORPORATION** for further information.