

Date Prepared: January 1, 1999
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MSDS Number 04678

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1. PRODUCT INFORMATION

Product identifier: ChemTherm N 100

Application and Use: Multipurpose lubricant

Product Description: A mixture of Hydrocarbons, mainly aliphatic, plus additives.

REGULATORY CLASSIFICATION

WHMIS:

Not a controlled product

TDG INFORMATION (RAIL/ROAD):

Shipping Name: Not Regulated

Class: Not Regulated

Packing Group: Not Regulated

Pin Number: Not Regulated

Please be advise that other regulations may apply

TELEPHONE NUMBERS:

Emergency 24 hr (519) 339-2145

Technical Info (800) 268-3183

MANUFACTURER/SUPPLIERS:

ChemChamp North America Corp..

1230 Old Innes Rd, Unit 410

Ottawa, ON, K1B 3V3

613-594-3337

2. REGULATED COMPONENTS

The following components are defined in accordance with sub-paragraph 13(a) (I) to (V) or paragraph 14(a) of the Hazardous Products Act

NAME	%	CAS #
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Not applicable

3. TYPICAL PHYSICAL & CHEMICAL PROPERTIES

Physical State:	Liquid
Specific Gravity:	0.889 at 15.5 deg C
Viscosity:	11.70 cST at 100 deg C
Vapour Density:	Not available
Boiling point:	Not available
Evaporation rate:	<1 (1 = n-butylacetate)
Solubility in water:	Negligible
Freezing/Pour point:	0 deg c ASTM D97
Odour freshhold:	Not available
Vapour pressure:	<1 Kpa at 38 deg C
Appearance/odour:	Clear amber liquid, mild petroleum odour

4. HEALTH HAZARD INFORMATION

NATURE OF HAZARD

INHALATION:

Negligible hazard at normal temperature (up to 38 deg C).
Elevated temperatures or mechanical action may form vapours, mists or fumes, which may be irritating to the eyes, nose, throat and lungs. Avoid breathing vapours or mists.

EYE CONTACT:

Slightly irritating, but will not injure eye tissue

SKIN CONTACT:

Low toxicity
Frequent or prolonged contact may irritate the skin

INGESTION:

Low toxicity

ACUTE TOXICITY DATA:

Based on animal testing data from similar materials and products, the acute toxicity of this product is expected to be:

Oral:	LD50 > 5000 mg/kg (Rat)
Dermal:	LD50 > 3180 mg/kg (Rabbit)
Inhalation:	LC50 > 5000 mg/m ³ (Rat)

OCCUPATIONAL EXPOSURE LIMIT:

ACGIH recommends:
For oil mists, 5 mg/m³.

Local regulated limits may vary.

5. FIRST AID MEASURES

INHALATION:

Vapour pressure of this material is low and as such inhalation under normal conditions is usually not a problem. If overexposed to oil mist, remove from further exposure. Administer artificial respiration if breathing has stopped. Keep at rest. Call for prompt medical attention.

EYE CONTACT:

Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention.

SKIN CONTACT:

Flush with large amounts of water. Use soap if available. Remove severe contaminated clothing (including shoes) and launder before reuse. If irritation persists, seek medical attention.

INGESTION:

If swallowed, **DO NOT** induce vomiting. Keep at rest. Get prompt medical attention.

6. PREVENTITIVE AND CORRECTIVE MEASURES

PERSONAL PROTECTION:

The selection of personal protective equipment varies, depending upon conditions of use. In open systems where contact is likely, wear safety goggles, chemical resistant overalls, and chemically impervious gloves. Where only incidental contact is likely, wear safety glasses with side shields. No other special precautions are necessary provided skin/eye contact is avoided. Where concentration in air may exceed the occupational exposure limits given in Section 4 and where engineering, work practices or other means of exposure reduction are not adequate, approved respirators may be necessary to prevent overexposure by inhalation.

ENGINEERING CONTROLS:

The use of local exhaust ventilation is recommended to control emissions near the source. Laboratory samples should be handled in fumehood. Provide mechanical ventilation of confined spaces.

HANDLING, STORAGE AND SHIPPING:

Keep containers closed. Handle and open containers with care. Store in a cool, well-ventilated place away from incompatible materials. In keeping with good personal hygiene practices, wash hands thoroughly after handling the material. Do not handle or store near an open flame, sources of heat, or sources of ignition. Store and load at normal (up to 38 deg C) temperature and at atmospheric pressure. Empty containers may contain product residue. Do not pressurize out heat, or weld empty containers. Do not reuse empty containers without commercial cleaning and reconditioning.

LAND SPILL:

Eliminate source of ignition. Keep public away. Prevent additional discharge of material, if possible to do so without hazard. Prevent spills from entering sewers, watercourses or low areas. Contain spilled liquid with sand or earth. Recover by pumping or by using a suitable absorbent. Consult an expert on disposal of recovered material. Ensure disposal in compliance with government requirements and ensure conformity to local disposal regulations. Notify the appropriate authorities immediately. Take all additional action necessary to prevent and remedy the adverse effects of the spill.

WATER SPILLS:

Remove from surface by skimming or with suitable absorbents. If allowed by local authorities and environmental agencies, sinking and/or suitable dispersants may be used in unconfined waters. Consult an expert on disposal of recovered material. Ensure disposal in compliance with government requirements and ensure conformity to local disposal regulations. Notify the appropriate authorities immediately. Take all additional action necessary to prevent and remedy the adverse effects of the spill.

7. FIRE AND EXPLOSION HAZARD

Flashpoint and method: 238 deg C COC D92
Autoignition: NA Flammable Limits: LEL: NA UEL: NA

GENERAL HAZARDS:

Low hazard; liquids may burn upon heating to temperatures at or above the flash point. Toxic gases will form upon combustion.

FIRE FIGHTING:

Use water spray to cool fire exposed surfaces and to protect personnel. Shut off fuel to fire. Use foam, dry chemical or water spray to extinguish fire. Respiratory and eye protection required for fire fighting personnel. A self-contained breathing apparatus (SCBA) should be used for all indoor fires and any significant outdoor fires. For small outdoor fires which may be easily be extinguished with a portable fire extinguisher, use of an SCBA may not be required.

HAZARDOUS COMBUSTION PRODUCTS:

Smoke, carbon monoxide, carbon dioxide and traces of oxides of sulphur.

8. REACTIVITY DATA**STABILITY:**

This product is stable. Hazardous polymerization will not occur.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:

Strong oxidizing agents.

HAZARDOUS DECOMPOSITION:

None

ChemChamp Oil

MATERIAL SAFETY DATA SHEET

9. NOTES

All components of this product are listed on the U.S TSCA inventory.
This MSDS has been revised in Sections 1,3 and 9.

10. PREPARATION

Date prepared: January 1,1999
Prepared by: ChemChamp
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613-225-5844

CAUTION:

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MSDS NO. 4678

ChemTherm N 100