

Material Safety Data Sheet

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Multisol Extra

Synonym: None

Product Use: Solvent

Product Number(s): 99-0011

Chemical family : Isoparaffinic hydrocarbon

Company Identification:

Crevier Lubrifiants Inc.

2025 rue Lucien Thimens

Ville St-Laurent, Québec H4R 1K8

Canada

In case of emergency, please contact Crevier Lubrifiants Inc at:

Phone : 514-331-2951 or 1-800-363-0590 or 450-679-8866

Product Information

Product Information: 514-331-2951

MSDS Requests: 514-331-2951

SECTION 2 HAZARDS IDENTIFICATION

Physical state: *Liquid*

Odour: *Hydrocarbon odor*

WHMIS:



Class B, Division 3: Combustible Liquids

This product has been classified according to the hazard criteria of the Controlled Products Regulation and the MSDS contains all the information required by those regulations.

Other hazards: This liquid is flammable and can cause mild irritation of skin and eyes. Avoid contact with eyes and clothing. Keep away from sources of heat, sparks or flames. Use in well ventilated area.

SECTION 3 COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT
Naphtha (petroleum), Hydrotreated heavy	64742-48-9	60 -100 %wt

Information on ingredients that are considered Controlled Products and/or that appear on the WHMIS Ingredient Disclosure List (IDL) is provided as required by the Canadian Hazardous Products Act (HPA, Sections 13 and 14). Ingredients considered hazardous under the OSHA Hazard Communication Standard, 29 CFR 1910.1200, are also listed. See Section 15 for additional regulatory information.

SECTION 4 FIRST AID MEASURES

Eye: Immediately flush eyes with large amounts of water for at least 30 minutes, by the clock, while holding eyelids open. See a physician if irritation persists.

Skin: Wash skin with water immediately and remove contaminated clothing and shoes. Get medical attention if any symptoms develop. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

Ingestion: If swallowed rinse mouth with water, get medical attention. Do not induce vomiting except on medical advice. Never give anything by mouth to an unconscious person.

Inhalation: Move the exposed person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if breathing difficulties continue.

SECTION 5 FIRE FIGHTING MEASURES

See Section 7 for proper handling and storage.

CAUTION: This product is flammable.

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

PROTECTION OF FIRE FIGHTERS:

Fire Fighting Instructions: For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

Combustion Products: CO, CO₂, smoke and irritating vapors as products of incomplete combustion.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Spill Management: Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. All equipment used when handling the product must be grounded. A vapor suppressing foam may be used to reduce vapors. Use clean non-sparking tools to collect absorbed material. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

Reporting: Report spills to local authorities as appropriate or required.

SECTION 7 HANDLING AND STORAGE

Precautionary Measures: Liquid evaporates and forms vapor (fumes) which can catch fire and burn with explosive force. Do not smoke, eat or drink in the area where this product is manipulated. Wash thoroughly after handling.

General Handling Information: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

General Storage Information: DO NOT USE OR STORE near heat, sparks, flames, or hot surfaces. USE AND STORE ONLY IN WELL VENTILATED AREA. Keep container closed when not in use.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, 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. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS:

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below the recommended exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection: Where splashing is possible, wear safety glasses with side shields as a good safety practice.

Skin Protection: Wear protective clothing to prevent skin contact. Selection of protective clothing may include gloves, apron, boots, and complete facial protection depending on operations conducted.

Respiratory Protection: Determine if airborne concentrations are below the recommended occupational exposure limits for jurisdiction of use. If airborne concentrations are above the acceptable limits, wear an approved respirator that provides adequate protection from this material, such as:

Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

Occupational Exposure Limits:

Component	Agency	TWA	STEL	Ceiling	Notation
Naphtha (petroleum), Hydrotreated heavy	ACGIH	175 ppmv	N/A	-	Skin

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Color: Colorless & clear

Physical State: Liquid

Odor: Hydrocarbon odor

pH: Not Applicable

Freezing Point: <- 78 °C
 Initial boiling point: 182 - 204 °C
Flash Point: Closed cup **38 °C** (100,4 °F) (Typique)
 Taux d'évaporation : 0,9 (butyl acetate =1)
Auto-ignition temperature: 246 °C (475 °F)
Flammable limits: Lower : 0,7%
 Upper : 5,3%
Vapor Pressure: 0,09 kPa @ 20°C (68°F)
Vapor Density: **5,6** @ 101 kPa
Boiling Point: No Data Available
Solubility: Insoluble in water
Specific Gravity: 0.763 g/l @ 15 °C (59°F)
Odor Threshold: No Data Available
Viscosity: 1,84 cSt @ 25°C
Coefficient of Water/Oil Distribution: Completely miscible with oil, will separate from water.

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Incompatibility With Other Materials: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
Hazardous Decomposition Products: None known (None expected)
Hazardous Polymerization: Hazardous polymerization will not occur.
Sensitivity to Mechanical Impact: No.

SECTION 11 TOXICOLOGICAL INFORMATION

Composant	Species	LD 50 Oral	LD 50 Dermal	CL 50 Inhalation
Naphtha (petroleum), Hydrotreated heavy	N/A	N/A	N/A	N/A = Not available

IMMEDIATE HEALTH EFFECTS

Eye Irritation: This product may cause slight eye irritation.

Skin Irritation: This product may cause slight skin irritation. Prolonged and repeated contact with this product can cause skin drying, which may result in skin irritation and dermatitis.

Ingestion: Low degree of toxicity by ingestion. This product may be aspirated into the lungs during swallowing or vomiting and can cause lung inflammation and damage.

Inhalation: Prolonged exposure to high vapor concentration of this product can cause headache, dizziness and nausea. Short term overexposure can cause an irritation to the respiratory passages.

Additional Information: The health research shows that many petroleum hydrocarbons pose risks to health, which may vary from person to person. As a precautionary measure, reduce as much as possible the exposure to these liquids, vapors, mists and fumes.

Chronic effect / Carcinogenicity: Not available

Reproductive Toxicity / Teratogenicity / Embryotoxicity / Mutagenicity: Not available

SECTION 12 ECOLOGICAL INFORMATION

Composant	Acute toxicity – Fish species LC 50	Acute crustacean toxicity LC 50	Acute algal toxicity CL 50
Naphtha (petroleum), Hydrotreated heavy	2200 mg/L (Pimephales promelas) 96 H	Not available	Not available

Others informations: No additional remark.

SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by USEPA under RCRA (40CFR261), Environment Canada, or other State, Provincial, and local regulations. Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. If this material is classified as a hazardous waste, federal law requires disposal at a licensed hazardous waste disposal facility.

SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

TDG (Canada):

TDG Proper Shipping Name: Petroleum Distillates, N.O.S. (Heavy Naphtha - Hydrotreated)

Hazard Class: 3

UN Number: UN1268

Packing Group: III

Note: Not regulated under the Transportation of Dangerous Goods Act when transported by road or rail in packaging or containers of 450 L or less (waste excluded).

SECTION 15 REGULATORY INFORMATION

CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: DSL (Canada), TSCA (United States).

WHMIS CLASSIFICATION:

Class B, Division 3: Combustible Liquids

SECTION 16 OTHER INFORMATION

MSDS PREPARATION:

This Material Safety Data Sheet has been prepared by : Robert Maillette, Chemist **Date:** June 26, 2014

Revised on : September 10, 2015

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
CAS - Chemical Abstract Service Number	NFPA - National Fire Protection Association (USA)
ACGIH - American Conference of Government Industrial Hygienists	IMO/IMDG - International Maritime Dangerous Goods Code
API - American Petroleum Institute	MSDS - Material Safety Data Sheet
DOT - Department of Transportation (USA)	NTP - National Toxicology Program (USA)
IARC - International Agency for Research on Cancer	OSHA - Occupational Safety and Health Administration

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.