



Cool-X LLC

Material Safety Data Sheet

Issued: 10 January 2012

1. **Product Name:** Cool-X HP Motor Oil Coolant

Chemical Family: synthetic blend motor oil

Use: Motor Oil Additive

Manufacturer: Cool-X LLC

Address: 39 Owen Dr, Amherst MA 01002

Phone: 413 345-2753

Fax: 206-202-6334

24 Hour Emergency Phone Numbers: USA:

2. **Components:**

CAS	Chemical Name	% Weight
64741-88-4	Base Oils	>50%

* The Base Oil may contain one or more of the following ingredients: 61788-76-9, 64741-88-4, 64742-01-4, | 64742-65-0, 64742-89-5, 64742-48-9, 64742-52-5, 64742-54-7, 64742-56-3

* There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

* All components of this product are listed on the US TSCA inventory

* This product contains no hazardous substances within the definition of OSHA Regulation 29 CFR 1910.1200.

* Cool-X certifies that this product has been evaluated for RCRA characteristics and does not meet the criteria of a hazardous waste if discarded in its purchased form.

3. **Main Hazards / Health Effects:**

Eyes: May cause irritation

Inhalation: Oil mist may irritate breathing passages with oil making breathing difficult.

Ingestion: May cause nausea, vomiting, and diarrhea. Aspiration hazard if swallowed. Can enter lungs and cause damage.

Skin: May irritate the skin after prolonged periods of contact.

4. **First Aid:**

Eyes: Flush with water until all residual material is gone. If irritation persists, seek medical help.

Inhalation: Clear air passage. If respiratory difficulty continues, seek medical help.

Ingestion: Wash out mouth immediately. Do not induce vomiting. Consult physician.

Skin: Wash thoroughly with hand cleanser, followed by soap and water. Contaminated clothing should be dry cleaned before reuse.

General Advice: Users with skin conditions (eczema, psoriasis, etc.) respiratory conditions (asthma, bronchitis, emphysema, etc.) or with chemical sensitivities should take protective precautions.

5. **Extinguishing Media:**

Suitable: Foam, dry powder, Halon, carbon dioxide, and water mist.

Unsuitable: Water jet.

Protective Equipment for Fire Fighting: Self-contained breathing apparatus.



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6. Accidental Release Measures:

Personal Precautions: Wear gloves and protective overalls.

Environmental Precautions: Do not allow it to enter drains.

Spillage: Contain spill and keep from entering waterways. Absorb on porous material. Large quantities can be pumped.

7. Handling and Storage:

Handling: Avoid static discharge, open flames, and sources of ignition.

Storage: Do not store at elevated temperatures.

8. Exposure Control / Personal Protection:

Respiratory Protection: Hydrocarbon absorbing respirator if misting.

Hand Protection: Oil-proof gloves for hypersensitive persons.

Eye Protection: Glasses, if applied to parts in motion.

Body Protection: Overalls.

9. Physical and Chemical Properties:

Physical State: Liquid

Color: Black

Odor: Petroleum

pH: Neutral

Boiling Range/ Point $^{\circ}\text{F}$ ($^{\circ}\text{C}$): >570 (>299)

Pour Point $^{\circ}\text{F}$ ($^{\circ}\text{C}$): <-60 (<-61)

Flash Point (COC) $^{\circ}\text{F}$ ($^{\circ}\text{C}$): >350 (>177)

Autoignition Temperature $^{\circ}\text{F}$ ($^{\circ}\text{C}$): >600 (>315)

Vapor Density: Greater than air.

Evaporation Rate: Negligible

Vapor Pressure (kPa): <1 mm Hg

Percent Volatiles: None

Density (g/cm³): 0.87 at 15C

Flammability: Not flammable at ambient temp.

OAR Value: UN

Oxidizing Properties: None

Water Solubility: Insoluble

10. Stability and Reactivity:

Stability: Chemically stable under normal conditions. No photoreactive agents.

Conditions to Avoid: Powerful sources of ignition and extreme temperatures.

Materials to Avoid: Strong inorganic and organic acids, oxidizing agents.

Hazardous Decomposition Products: Burning generates smoke, airborne soot, hydrocarbons and oxides of carbon, sulfur and nitrogen. Residue mainly comprised of soot and mineral oxides.

11. Toxicological Information:

Acute Toxicity: Not known

Irritancy-Skin: May cause skin irritation

Skin Sensitization: May cause skin sensitization

Subacute / Sub-chronic Toxicity: Not known

Genotoxicity: None known

Chronic Toxicity: Avoid repeated exposure

California Prop 65: N/A

Carcinogen: NTP: No

IARC: No

OSHA: No

EC Classification (67/548/EEC): No

LC-50: >2-4 mg/l – (inhalation/8h/rat)

LD-50: >5000mg/kg (oral, rat)

12. Ecological Information:

Possible Effects: When released into the environment, adsorption to sediment and soil will be the predominant behavior.

Behavior: Relatively well behaved. Bioaccumulation potential: nil.

Environmental Fate: Due to its fluid nature and specific gravity, this product will float or spread across water making it a nuisance contaminate. It is not thought to be toxic to marine or land organisms.



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13. Waste and Container Disposal:

Waste Disposal: Consider recycling. This product, as sold, does not meet the RCRA characteristics of a hazardous waste. Under RCRA, it is the responsibility of the user, at the time of disposal, to determine whether the product meets the criteria for hazardous waste. Contact a waste disposal company or local authority for advice.

14. Transport Information:

DOT: non-hazardous

UN NO.: N/A

Road and Rail Transport (ADR/RID): nonhazardous

Air Transport (ICAO, IATA): Bulk nonhazardous

Sea Transport (IMO, IMDG): Bulk nonhazardous

15. Regulatory Information:

Labeling Information: None Needed

EC Annex 1 Class: N/A

R Phrases: N/A

S Phrases: S-3 keep cool, S-16 keep away from ignition sources

Clean Water Act: 307: Zinc Alkyldithiophosphate

SARA 311/312: None

Ozone Depleting Chemicals: N/A

CERCLA: Nonhazardous

TSCA: All components listed.

TSCA 8a, 8d: Zinc Alkyldithiophosphate

WHMIS: Not regulated

Canadian DSL: All components are listed

40 CFR Part 372 (SARA 313): N/A

RCRA Hazard Class: Nonhazardous

TSCA 12B Components: None

16. Other Information:

NFPA Information:

Toxicity 1

Fire 1

Reactivity 0

HMIS Symbol:

Health 1

Flammability 1

Reactivity 0

PPI B

Signature:

Prepared by: David Leith, President

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