



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name Calpar 220
Version # 02
Revision date 11-17-2011
CAS # Mixture
Manufacturer information Calumet Specialty Products Partners, L.P.
 2780 Waterfront Pkwy E. Dr.
 Suite 200
 Indianapolis, IN 46214 United States
 www.calumetlubricants.com
 Technical Services 317-328-5660
 CHEMTREC International 703-527-3887

2. Hazards Identification

Emergency overview Health injuries are not known or expected under normal use.
OSHA regulatory status This product is considered not hazardous under 29 CFR 1910.1200 (Hazard Communication).
Potential health effects
Eyes Health injuries are not known or expected under normal use.
Skin Health injuries are not known or expected under normal use.
Inhalation Health injuries are not known or expected under normal use.
Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Target organs Respiratory system.

3. Composition / Information on Ingredients

Non-hazardous components	CAS #	Percent
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC	64742-54-7	40 - 60
Solvent-Dewaxed Heavy Paraffinic Distillates (petroleum)	64742-65-0	40 - 60

4. First Aid Measures

First aid procedures
Eye contact Rinse with water. Get medical attention if irritation develops and persists.
Skin contact Rinse skin with water/shower. Get medical attention if irritation develops and persists.
Inhalation If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.
Ingestion Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.
General advice If you feel unwell, seek medical advice (show the label where possible).

5. Fire Fighting Measures

Flammable properties Not flammable by OSHA criteria. Not combustible by OSHA criteria.
Extinguishing media
Suitable extinguishing media Water fog.
Unsuitable extinguishing media Water. Do not use water jet as an extinguisher, as this will spread the fire.
Protection of firefighters
Protective equipment and precautions for firefighters Wear suitable protective equipment.
Fire fighting equipment/instructions Move containers from fire area if you can do so without risk.

6. Accidental Release Measures

Personal precautions	Keep unnecessary personnel away.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not contaminate water.
Methods for containment	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible.
Methods for cleaning up	Should not be released into the environment. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills in original containers for re-use. For waste disposal, see section 13 of the MSDS.

7. Handling and Storage

Handling	DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Avoid release to the environment. Handle and open container with care.
Storage	Keep away from heat, sparks and open flame. Use care in handling/storage.

8. Exposure Controls / Personal Protection

Personal protective equipment	
Eye / face protection	Not normally needed.
Skin protection	Normal work clothing (long sleeved shirts and long pants) is recommended.
Respiratory protection	No personal respiratory protective equipment normally required.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties

Appearance	Product is water-white to pale straw liquid.
Physical state	Liquid.
Form	Liquid.
Color	Colorless to pale straw.
Odor	Hydrocarbon
Odor threshold	Not available.
pH	Not Applicable.
Vapor pressure	Not available.
Vapor density	Not available.
Boiling point	Not available.
Melting point/Freezing point	Negligible.
Solubility (water)	0.8675
Specific gravity	Not available.
Relative density	> 400 °F (> 204.4 °C) Cleveland Open Cup
Flash point	Not available.
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Auto-ignition temperature	> 630 °F (> 332.2 °C)
Viscosity	> 215 SUS
Viscosity temperature	100 °F (37.8 °C)
Pour point	< 15 °F (< -9.4 °C) ASTM D92

Other data

Density 0.867 g/cm³

10. Chemical Stability & Reactivity Information

Chemical stability Material is stable under normal conditions.
Conditions to avoid Heat, flames and sparks. Avoid temperatures exceeding the flash point.
Incompatible materials Not available.
Hazardous decomposition products No hazardous decomposition products are known.

11. Toxicological Information**Toxicological data**

Product	Test Results
Calpar 220 (Mixture)	Acute Dermal LD50 Rabbit: 5000 mg/kg estimated Acute Oral LD50 Rat: 7500 mg/kg estimated
Components	Test Results
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC □ (64742-54-7)	Acute Dermal LD50 Rabbit: > 5000 mg/kg Acute Oral LD50 Rat: > 15000 mg/kg
Solvent-Dewaxed Heavy Paraffinic Distillates (petroleum) □ (64742-65-0)	Acute Dermal LD50 Rabbit: > 5000 mg/kg Acute Oral LD50 Rat: > 5000 mg/kg
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Further information	This product has no known adverse effect on human health.

12. Ecological Information**Ecotoxicological data**

Product	Test Results
Calpar 220 (Mixture)	EC50 Daphnia: 1000 mg/l 48 hours estimated
Components	Test Results
DISTILLATES (PETROLEUM), HYDROTREATED HEAVY PARAFFINIC □ (64742-54-7)	EC50 Water flea (Daphnia magna): > 1000 mg/l 48 hours
Solvent-Dewaxed Heavy Paraffinic Distillates (petroleum) □ (64742-65-0)	EC50 Water flea (Daphnia magna): > 1000 mg/l 48 hours

* Estimates for product may be based on additional component data not shown.

Environmental effects An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Persistence and degradability Not available.

13. Disposal Considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport Information**DOT NON-BULK**

Not regulated as dangerous goods.

DOT

Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
All components are on the U.S. EPA TSCA Inventory List.

CERCLA/SARA Hazardous Substances - Not applicable.

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2))

Not regulated

DEA Essential Chemical Code Number

Not regulated

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Not regulated

DEA Exempt Chemical Mixtures Code Number

Not regulated

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous chemical No

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" Indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

Further information HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings Health: 0
Flammability: 1
Physical hazard: 0

NFPA ratings Health: 0
Flammability: 1
Instability: 0

Disclaimer The information in the sheet was written based on the best knowledge and experience currently available.

Issue date 11-17-2011

This data sheet contains changes from the previous version in section(s): This document has undergone significant changes and should be reviewed in its entirety.