



A Division of
South West Lubricants, Inc.

Material Safety Data Sheet
Maxima Electrical Contact Cleaner

Last updated: Mar 2009

1. Product and Company Identification

Product Trade Name	Maxima Electrical Contact Cleaner
CAS Number	Not applicable for mixtures
Synonyms	None
Generic Chemical Name	Solvent (mixture)
Product Type	Aerosol – Automotive
Transportation Emergency	CHEMTREC 1-800-424-9300 (Outside USA 703-527-3887)
MSDS No.	72920

2. Composition/Information on Ingredients

Common Name	Chemical Name	CAS No.	Range (%)
Liquefied Petroleum Gas		68476-85-7	<30
Heptane		142-82-5	<40
2-Propanone		67-64-1	>65
Methylol		67-56-1	<3
2-Butoxyethanol		111-76-2	<40

3. Hazards Identification

EMERGENCY OVERVIEW

Warning! Extremely Flammable. Contents under pressure. Container may burst if heated.

Do not place in hot water or near radiators, stoves or other sources of heat. Do not puncture or incinerate container or store at temperatures over 120°F. Do not use in presence of open flame, spark or other sources of ignition. KEEP OUT OF REACH OF CHILDREN. Avoid getting into eyes. Use only as directed.

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

IMMEDIATE HEALTH EFFECTS

Eye	Vapors may irritate the eye and liquid may cause moderate irritation and slight corneal injury.
Skin	Components are readily absorbed through the skin and repeated contact may result in drying of the skin which may result in skin irritation and dermatitis.
Ingestion	Swallowing can cause irritation, nausea and vomiting. No harmful or chronic affects are expected to occur from a single accidental ingestion.
Inhalation	High vapor concentrations are irritating to the nose, throat, mucous membrane and lungs. May cause headaches, dizziness, sleep and may have other central nervous system effects.

4. First Aid Measures

Eye	If liquid gets into eyes, flush with clear water for 15 minutes or until irritation subsides. As a precaution, remove contact lenses, if worn. If irritation persists, call a physician.
Skin	Remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.
Ingestion	Do not induce vomiting. As a precaution, give the person a glass of water or milk to drink and get medical advice. Never give anything by mouth to an unconscious person.
Inhalation	If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.



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5. Fire Fighting Measures

FIRE CLASSIFICATION:

Aerosol – Extremely flammable according to CFR 16, Ch. II, Subchapter C, part 1500.45.

Aerosol Level 2. Reference to NFPA 30B, section 1-7 of Aug.6, 1998. *Code for the Manufacture and Storage of Aerosol Products.*

NFPA RATINGS Health: 1 Flammability: 4 Reactivity: 0

FIRE and EXPLOSION HAZARDS Do not spray near open flame. Keep at room temperature as exposure to direct sunlight or other heat may cause bursting (aerosol.)

FLAMMABLE PROPERTIES:

Flash Point Propellant below 20°F (T.O.C.)

Autoignition ND

Flammability (Explosive) Limits (% by volume in air) Lower: NA Upper: NA

EXTINGUISHING MEDIA

Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames. Use water to keep fire-exposed containers cool. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for persons attempting to stop a leak. Minimize breathing of gases, vapor, fumes or decomposition products.

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 Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

6. Accidental Release Measures

Protective Measures

Spill Management

Eliminate all sources of ignition in vicinity of spilled material. 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. 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 and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required.



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7. Handling and Storage

Handling Contents under pressure. Aerosol products have to be used with adequate ventilation. Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water. Wear recommended protective equipment. Practice good personal hygiene after handling.

Storage Store in closed containers of proper construction. Store away from sources of ignition and in areas of good ventilation. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

8. Exposure Controls/Personal Protection

Ventilation Use in areas of adequate ventilation. Use mechanical exhaust to control vapors or mists.

Gloves Use nitrile or neoprene gloves.

Eye Protection Safety glasses, goggles or face shield are recommended.

Respiratory Use NIOSH/MSHA approved respirator with organic vapor cartridge and dust/mist cartridge is recommended if exposure limit is exceeded. Self-contained breathing apparatus is recommended for confined space entry.

Clothing Long sleeve shirt and apron when potential for skin contact. Wear neoprene or nitrile rubber boots when necessary to avoid contaminating shoes.

9. Physical and Chemical Properties

Appearance and Odor	Clear liquid, hydrocarbon odor
pH	ND
Vapor Pressure	100 - 120 psig @ 70°F. (Finished Product)
Vapor Density (Air = 1)	4
Boiling Point	ND
Solubility	Insoluble
Freezing Point	NA
Melting Point	NA
Specific Gravity	0.770 @ 60°F (15.5°C)
Viscosity	ND

10. Stability and Reactivity Data

Chemical Stability This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure. Do not store above 120°F.

Incompatibility With Other Materials May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.



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Hazardous Decomposition Products Combustion may yield carbon monoxide, carbon dioxide and other unidentified organic compounds.

Hazardous Polymerization Hazardous polymerization will not occur.

11. Toxicological Information

Toxicity	Mixture; Not determined
Eye Irritation	May cause slight to moderate eye irritation
Skin Irritation	Not expected to be a primary skin irritant. Prolonged or repetitive contact may cause irritation.
Acute Oral Toxicity	Swallowing material may cause irritation of the gastrointestinal lining, nausea, vomiting, diarrhea and abdominal pain.
Carcinogenic	This material has not been identified as a carcinogen by NTP, IARC or OSHA.
Genetic Toxicity	Not determined.

ADDITIONAL TOXICOLOGY INFORMATION

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B).

12. Ecological Information

None found.

13. Disposal Considerations

Disposal Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Consult federal, state and local regulations regarding disposal methods. Do not contaminate oil with solvents or other chemicals.

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.



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Ground

DOT Shipping Name NOT REGULATED AS A HAZARDOUS MATERIAL FOR
TRANSPORTATION UNDER 49 CFR
DOT Hazard Class CONSUMER COMMODITY ORM-D
DOT Identification Number UN1950 (aerosol)
DOT Packing Group PG II

Overseas

IMDG Shipping Name AEROSOLS, LIMITED QUANTITY
IMDG Hazard Class 2
IMDG UN No. 1950

Air

IATA Shipping Name CONSUMER COMMODITY
IATA Class 9
IATA ID No. ID8000
IATA Label MISCELLANEOUS DANGEROUS GOODS CLASS 9
IATA Packing Instructions 910

15. Regulatory Information

TSCA Not listed

SARA 313 This product does not contain greater than 1.0% of any chemical substance on the SARA Extremely Hazardous Substances list.

CAL PROP 65 Not listed

16. Other Information

NFPA RATINGS Health: 1 Flammability: 4 Reactivity: 0
HMIS RATINGS Health: 1 Flammability: 4 Reactivity: 0

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

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.