



Safety Data Sheet

1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer/Distributor

ECP Incorporated
 11210 Katherine's Crossing, Suite 100
 Woodridge, IL 60517

Phone: 630-754-4200 800-424-9300 (Emergency 24hr)

Product Name: ECP - Technicians Choice White Lithium Grease
Revision Date: June 1, 2015
Version: TEC99204
MSDS Number: Aerosol White Lithium Grease
Common Name: Lubricant/ Grease
Product Use:

2 HAZARDS IDENTIFICATION

Route of Entry: Eyes - Yes Skin - Yes Inhalation - Yes Ingestion - Unlikely

Target Organs: Skin, Eyes, Respiratory System, Liver, Kidney, Central Nervous System.

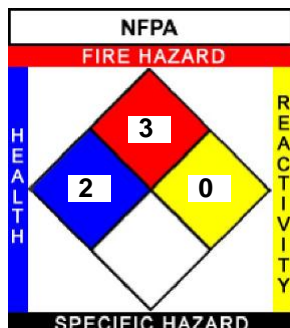
Inhalation: May cause respiratory tract irritation. Vapors may cause drowsiness and dizziness. This product may be aspirated into the lungs and cause chemical pneumonitis.

Skin Contact: Can cause skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, and drying and cracking of skin, burns and other skin damage

Eye Contact: May cause irritation. Symptoms include stinging, tearing, redness and swelling of eyes.

Ingestion: Not a normal route of exposure. Ingestion may cause nausea and vomiting. ASPIRATION HAZARD - This material can enter lungs during swallowing or vomiting and cause lung inflammation and damage.

NFPA: Health = 2, Fire = 3, Reactivity = 0
 HMIS III: H*2/F3/PH0



HMIS III	
HEALTH	✓ 2
FLAMMABILITY	3
PHYSICAL HAZARDS	0
PERSONAL PROTECTION B Safety Glasses, Gloves	



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GHS Signal Word:
WARNING

GHS Hazard Pictograms:



GHS Classifications:

Physical, Flammable Aerosols, 2
Health, Acute toxicity, 5 Oral
Health, Aspiration hazard, 2
Health, Acute toxicity, 5 Dermal
Health, Skin corrosion/irritation, 2
Health, Serious Eye Damage/Eye Irritation, 2 B
Health, Specific target organ toxicity - Single exposure, 3
Health, Carcinogenicity, 2
Environmental, Hazards to the aquatic environment - Chronic, 2

GHS Phrases:

H223 - Flammable aerosol
H229 - Pressurized container: may burst if heated
H303 - May be harmful if swallowed
H305 - May be harmful if swallowed and enters airways
H313 - May be harmful in contact with skin
H315 - Causes skin irritation
H320 - Causes eye irritation
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness
H351 - Suspected of causing cancer
H411 - Toxic to aquatic life with long lasting effects

GHS Precautionary Statements:

P102 - Keep out of reach of children.
P103 - Read label before use.
P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P262 - Do not get in eyes, on skin, or on clothing.
P270 - Do not eat, drink or smoke when using this product.
P273 - Avoid release to the environment.
P281 - Use personal protective equipment as required.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do.

Continue rinsing.

P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P410+412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F



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CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing skin, liver, kidney or respiratory conditions. Individuals with pre-existing heart conditions may be more susceptible to arrhythmias (irregular heartbeats) if exposed to high concentrations of this material.
LISTED CARCINOGENS: OSHA - Yes IARC - Yes (2A) NTP - Anticipated



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3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Percentage	Chemical Name
127-18-4	50-70%	Perchloroethylene
64741-96-4	10-20%	Distillates, petroleum, solvent-refined heavy naphthenic
64742-52-5	10-20%	Distillates, petroleum, hydrotreated heavy naphthenic
74-98-6	10-20%	Propane
106-97-8	10-20%	Butane

4 FIRST AID MEASURES

- Inhalation:** Move to fresh air and keep at rest. Call a physician if symptoms develop and persist.
- Skin Contact:** Wash with soap and water. If skin irritation persists, call a physician immediately. Remove contaminated clothing and wash before reuse.
- Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
- Ingestion:** Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low to avoid getting into the lungs. Call a poison control center if large amounts are ingested. Never give anything by mouth to an unconscious person.

5 FIRE FIGHTING MEASURES

- Flammability:** Flammable per Flame Projection Test
- Flash Point:** >212°F (>100°C) (concentrate) / -156°F (-104.4°C) (propellant)
- Flash Point Method:** Estimated
- Autoignition Temp:** Not established
- LEL:** Not established
- UEL:** Not established

Means of Extinction:

- Suitable Extinguishing Media: Powder, water spray, foam, carbon dioxide.
- Unsuitable Extinguishing Media: Not available.
- Products of Combustion: May include, and are not limited to: oxides of carbon.
- Explosion Data:
- Sensitivity to Mechanical Impact: Not available.
- Sensitivity to Static Discharge: Not available.
- Protection of Firefighters: Containers may explode when heated. Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

6 ACCIDENTAL RELEASE MEASURES

- Personal Precautions:** Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition. Ruptured cylinders may rocket.
- Environmental Precautions:** Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). This material is a water pollutant. Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent



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environmental contamination.

Methods for Containment: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for Clean-Up: Vacuum or sweep material and place in a disposal container. Allow gas to dissipate harmlessly into the atmosphere.

7 HANDLING AND STORAGE

Handling Precautions: HARMFUL IF INHALED OR SWALLOWED. VAPOR HARMFUL. EYE, SKIN AND RESPIRATORY IRRITANT. Contents under pressure. Keep out of reach of children. Read label cautions carefully. Follow label directions to avoid injury. Use with adequate ventilation. Do not use in confined areas. Keep away from heat, sparks or open flames. Wash hands thoroughly after each use. Do not smoke while using. Avoid contact with skin and eyes. Avoid breathing vapor or mist. Do not puncture container.

Storage Requirements: Keep out of reach of children. Do not store near heat, sparks, or open flames. Do not expose to temperatures above 120°F as container may vent, rupture or burst. Do not puncture or incinerate container.

Store in accordance with NFPA 30B for LEVEL 1 AEROSOL.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use ventilation adequate to keep exposures below recommended exposure limits.

Personal Protective Equip: HMIS PP, B | Safety Glasses, Gloves

Eye Protection: Wear eye/face protection.
 Hand Protection: Wear suitable chemical resistant gloves.
 Skin and Body Protection: Wear suitable protective clothing.
 Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

INGREDIENTS	EXPOSURE LIMITS		
	OSHA-PEL	ACGIH-TLV	OTHER
Perchloroethylene	100 ppm	25 ppm	100 ppm STEL
Distillates, petroleum	5 mg/m3 TWA (mist)	5 mg/m3 TWA (mist)	10 mg/m3 STEL (mist)
Distillates, petroleum	5 mg/m3 TWA (mist)	5 mg/m3 TWA (mist)	10 mg/m3 STEL (mist)
Propane	Not established	1000 ppm	
Butane	Not established	800 ppm	

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: white opaque liquid

Physical State: Mixture packaged in pressurized aerosol spray can.

Odor: ether-like

Solubility: Insoluble in water

Spec Grav./Density: 1.5 - 1.7 g/ml

Percent Volatile: 80%

Heat Value: ~ 19.6 kJ/g (estimated)

Flammability: Non-flammable (concentrate)

Flash Point: >212°F (>100°C) (concentrate) / -156°F (-104.4°C) (propellant)



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pH:	Vapor Pressure: Not established
VOC:	Not applicable
Evap. Rate:	24.75%
Auto-Ignition Temp:	> 1.00 (BuAc=1)
UFL/LFL:	Not applicable
	Not established

10 STABILITY AND REACTIVITY

Stability:	Product is stable under normal conditions.
Conditions to Avoid:	Heat, sparks, open flames and temperatures above 120°F
Materials to Avoid:	Alkali metals, aluminum, barium, strong acids, strong oxidizing agents.
Hazardous Decomposition:	CO, CO ₂ , hydrocarbons, chlorine, hydrogen chloride and phosgene.
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

Not established

12 ECOLOGICAL INFORMATION

Not established

13 DISPOSAL CONSIDERATIONS

Do not allow into drains or water sources. Waste and empty containers should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act. Using information provided in this data sheet advice should be obtained from the Waste Regulation Authority, weather special waste regulations apply.

14 TRANSPORT INFORMATION

DOT Class: Flammable Gas (2.1) #2.1
UN #: UN 1950, Class: 2, Proper Shipping Name: Aerosols, flammable

15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

*Perchloroethylene (127184 50-70%) CERCLA, EPCRAWPC, HAP, HWRCRA, MASS, NJHS, NRC, OSHAWAC, PA, PRIPOL, PROP65, SARA313, TOXICPOL, TOXICRCRA, TSCA, TXAIR, TXHWL

*Distillates, petroleum, solvent-refined heavy naphthenic (64741964 10-20%) NJHS, TSCA

*Distillates, petroleum, hydrotreated heavy naphthenic (64742525 10-20%) NJHS, TSCA

*Propane (74986 10-20%) MASS, NJHS, OSHAWAC, PA, TSCA, TXAIR



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*Butane (106978 10-20%) MASS, NJHS, OSHAWAC, PA, TSCA, TXAIR

REGULATORY KEY DESCRIPTIONS

CERCLA = Superfund clean up substance
EPCRAWPC = EPCRA Water Priority Chemicals
HAP = Hazardous Air Pollutants
HWRRCRA = RCRA Hazardous Wastes
MASS = MA Massachusetts Hazardous Substances List
NJHS = NJ Right-to-Know Hazardous Substances
NRC = Nationally Recognized Carcinogens
OSHA = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
PRIPOL = Clean water Act Priority Pollutants
PROP65 = CA Prop 65
SARA313 = SARA 313 Title III Toxic Chemicals
TOXICPOL = Clean water Act Toxic Pollutants
TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)
TSCA = Toxic Substances Control Act
TXAIR = TX Air Contaminants with Health Effects Screening Level
TXHWL = TX Hazardous Waste List

California Safe Drinking Water and Toxic Enforcement Act of 1986

WARNING: This product contains a chemical known to the State of California to cause cancer

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OTHER INFORMATION

The information provided herein was believed to be accurate at the time of preparation and prepared from a compilation of sources believed to be reliable, but it is the responsibility of the user to investigate and understand other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of this product, and to determine the suitability of the product for its intended use.

Author: Technical Services

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