Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Section 1	**CHEMICAL PRODUCT SECTION**

Identification: Product Name: PL40 Premium Penetrating Lubricant
Product Number: 8608

Product description: Penetrant Lubricant
Product type: aerosol
Application: Industrial applications

Manufacturer: ACL Incorporated
840 W 49th Place
Chicago, Il 60609
PH: (01) 847.981.9212 [U.S.A.]
FAX: (01) 847.981.9278 [U.S.A.]

Email of responsible party for SDS: marykay@aclstaticide.com

US/Canada Emergency TEL: INFOTRAC: (01) 800.535.5053 (day or night)
International Emergency TEL: INFOTRAC: 352.323.3500 (day or night)

Section 2	**HAZARDOUS IDENTIFICATION**

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

2.1 Classification of the substance or mixture
Product definition: FLAMMABLE GASES UNDER PRESSURE - Liquefied flammable gas

GHS-US classification
Physical: Flammable Aerosols -category 1
Health: Aspiration- category 1
Carcinogenicity - category 1
Environmental: None

2.2 Label Elements

Hazard Pictograms:

Signal Word: Danger

Hazard Statement:
Extremely flammable aerosol (H222)
Pressurized container; may burst if heated (H229)
May be fatal if swallowed and enters airways (H304)
May cause cancer (H350)

Precautionary Statements:
General:
If medical advice is needed, have container or label at hand (P101)

Keep out of reach of children (P102)
Read label before use (P103)
Prevention:
Obtain special instructions before use. (P201)
Do not handle until all safety precautions have been read and understood. (P202)
Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking (P210)
Do not spray on an open flame or other ignition source. (P211)
Do not pierce or burn, even after use. (P251)
Wear protective gloves, protective clothing and eye protection (P280)
Response:
IF SWALLOWED, Immediately call a POISON CENTER or doctor. (P301 + P310)
Do NOT induce vomiting. (P331)
IF exposed or concerned: Get medial advice/attention. (P308 + P313)

Storage:
Protect from sunlight. Do not expose to temperatures exceeding 50° C/122° F (P410 + P412)
Store locked up (P405)
Disposal: Dispose of contents in accordance with state and local laws as they vary (P501)

Unknown Acute Toxicity: 3% of the mixture is unknown.

Section 3 COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL	C.A.S. Number	Weight %	Classification
Heavy Aliphatic Naphtha	64742-96-7	53 - 86	Flam. Liq. 4; H227 Skin Irrit. 2; H315 STOT SE 3; H336, Asp. Tox. 1; H304 Aquatic Chronic 2; H411
Liquefied Petroleum Gas	68476-86-8	14 – 23	Compressed Gas: H280 Carc. Cat. 1; H350 Muta. Cat. 2; H340
Barium oxidate	Proprietary	1.0 – 2	Not classified
Petrolatum	8009-03-8	0.1 – 2	Not classified

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality.

Section 4 FIRST AID MEASURES

4.1 Description of first aid measures

*Inhalation***:** Remove source of exposure or move person to fresh air and keep comfortable for breathing.
If exposed/feel unwell/concerned: Call a POISON CENTER/doctor.
Eliminate all ignition sources if safe to do so.

Eye Contact: Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a duration of 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists: Get medical advice/attention.

*Skin Contact***:** Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash with plenty of lukewarm, gently flowing water for a duration of 15-20 minutes. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before re-use. IF exposed or concerned: Get medical advice/attention.

Ingestion: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. If vomiting occurs naturally, lie on your side, in the recovery position. Do not give anything.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
4.3 Indication of any immediate medical attention and special treatment needed
No data

Section 5 FIRE FIGHTING MEASURES

5.1 Extinguishing media
Suitable extinguishing media: Dry chemical, foam, carbon dioxide is recommended. Water spray is recommended to cool or protect exposed materials or structures. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam. Sand or earth may be used for small fires only.

Unsuitable extinguishing media: Do not direct a solid stream of water or foam into hot, burning pools this may results in frothing and increase fire intensity.

5.2 Special hazards arising from the substance or mixture
Hazards from the substance or mixture: Contents under pressure. Keep away from ignition sources and open flames. Exposure of containers to extreme heat and flames can cause them to rupture often with violent force. Product is highly flammable and forms explosive mixtures with air, oxygen, and all oxidizing agents. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back.

Container could potentially burst or be punctured upon mechanical impact, releasing flammable vapors.
Unusual Fire & Explosion Hazards: During a fire, irritating and highly toxic gases may be generated during combustion or decomposition. High temperatures can cause sealed containers to rupture due to a buildup of internal pressures. Cool with water

Hazardous thermal decomposition products: Unknown

5.3 Advice for firefighters
Special protective actions for fire-fighters: Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Special protective equipment for fire-fighters: Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Section 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
For non-emergency personnel: Avoid breathing vapor. Avoid contact with skin, eye or clothing. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

For emergency responders: ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Do not touch or walk through spilled material. Isolate hazard area and keep unnecessary people away. Remove all possible sources of ignition in the surrounding area. Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.
If spilled material is cleaned up using a regulated solvent, the resulting waste mixture may be regulated.

Recommended Equipment
Positive pressure, full-facepiece self-contained breathing apparatus (SCBA), or positive pressure supplied air respirator with escape SCBA (NIOSH approved).

6.2 Environmental precautions Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers.

6.3 Methods and materials for containment and cleaning up
Small spill: Cover spills with inert absorbent and place in closed chemical waste containers.

Large spill: Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

6.4 Reference to other sections
See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

Section 7 HANDLING AND STORAGE

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling
Wash hands after use.
Do not get in eyes, on skin or on clothing.
Do not breathe vapors or mists.
Use good personal hygiene practices.
Eating, drinking and smoking in work areas is prohibited.
Remove contaminated clothing and protective equipment before entering eating areas.
Eyewash stations and showers should be available in areas where this material is used and stored.

Ventilation Requirements: Use only with adequate ventilation to control

Advice on general occupational hygiene: Attention! Follow label warnings even after container is emptied since empty containers may retain product residues. Do not reuse empty container. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities: Store in accordance with local regulations. Do not cut, drill, grind, weld or perform similar operations on or near containers. Do not pressurize containers to empty them. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10). Keep container tightly closed and sealed until ready for use. Cylinders should be stored upright, with valve protection cap in place, and firmly secured to prevent falling or being knocked over. Cylinder temperatures should not exceed 48 °C (120 °F).

7.3 Specific end use(s)
Recommendations: Industrial
Industrial sector specific solutions: Not applicable

Section 8 EXPOSURE CONTROL / PERSONAL PROTECTION

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

Chemical Name	OSHA TWA	OSHA PEL	OSHA Tables (Z1, Z2. Z3)	ACGIH TLV	NIOSH TWA
Heavy Aliphatic Naphtha 64742-96-7	500 ppm 2000 mg/m3	NE	1	NIF	5 mg/m3
Liquefied Petroleum Gas 68476-86-8	500 ppm 2000 mg/m3	NIF	1	5 mg/m3	5 mg/m3
Barium oxidate Proprietary	NIF	NIF	NIF	NIF	NIF
Petrolatum 8009-03-8	NIF	NIF	NIF	NIF	NIF

8.2 Exposure controls

Appropriate engineering controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Individual protection measures

Hygiene measures: Wash hands before eating, smoking and using the lavatory and at the end of the working period. When using, do not eat or drink. When using, do not smoke.

Eye/face protection: Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids. If additional protection is needed for entire face, use in combination with a face shield.

Skin protection: Use of an apron and over- boots of chemically impervious materials such as neoprene or nitrile rubber is recommended to avoid skin sensitization. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Launder soiled clothes or properly disposed of contaminated material, which cannot be decontaminated.

Hand protection: Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced.

Body protection: NE

Respiratory protection: If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed. Check with respiratory protective equipment suppliers.

Environmental exposure controls: For normal conditions, protection is not necessary.

In Case of Large Spill: Keep out of drains. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Aerosol, liquid, amber
Odor	Characteristic
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	(liquid) No data available (propellant) No data available
Flash point and method	**concentrate:** No data available **propellant:** No data available
Evaporation rate (H2O=1)	151
Flammability (solid, gas, liquid)	Flammable gas

Upper/lower flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density (air=1)	No data available
Water solubility.	No data available
Partition coefficient: n-octanol/water	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Kinematic Viscosity	No data available
Dynamic viscosity	No data available
Explosive properties	No data available

9.2 Other safety information

Density	6.16134 lb/gal
Specific Gravity	No data available
Viscosity	No data available
%Volatile	No data available
% VOC	20.47238%
Density VOC	1.26137 lb/gal
VOC actual (g/l)	151.15035 g/l

Section 10 STABILITY AND REACTIVITY

10.1 Reactivity: No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability: Stable under normal storage conditions.
10.3 Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid: Keep away from direct sunlight and other sources of ignition.
Dropping containers may cause bursting.
10.5 Incompatible Materials: Avoid strong oxidizers, reducers, acids, and alkalis.
10.6 Hazardous decomposition products: No data available

Section 11 TOXICOLOGY INFORMATION

Acute toxicity:
If inhaled, may cause dizziness, nausea, upper respiratory irritation, drowsiness, mental depression or narcosis, difficulty in breathing, irregular heartbeats.

Product/ingredient name	Result	Species	Dose	Exposure
Heavy Aliphatic Naphtha 64742-96-7	No data available			---
Liquefied Petroleum Gas 68476-86-8	LC50 Inhalation	Rat	658 mg/kg	4 h
Petrolatum 8009-03-8	LD50 Intraperitoneal	Mouse	50,000 mg/kg	---

Irritation/Corrosion:
Prolonged or repeated contact with this product may dry and/or defat the skin. This product may be harmful if it is absorbed through the skin.

Eye contact may lead to permanent damage if not treated promptly. Liquid or vapors may irritate the eyes. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Eye contact may lead to permanent damage if not treated promptly.

Product/ingredient name	Result	Species	Exposure
Heavy Aliphatic Naphtha 64742-96-7	no skin irritation no eye irritation	Rabbit Rabbit	4 h ---
Liquefied Petroleum Gas 68476-86-8	No data available		
Petrolatum 8009-03-8	No data available		

Sensitization:

Product/ingredient name	Result	Species	Exposure
Heavy Aliphatic Naphtha 64742-96-7	Does not cause skin sensitization	Guinea pig	
Liquefied Petroleum Gas 68476-86-8	No data available		
Petrolatum 8009-03-8	No data available		

Mutagenicity:

Product/ingredient name	Result	Species	Test
Heavy Aliphatic Naphtha 64742-96-7	Negative	S.typhimurium	Reverse mutation assay
Liquefied Petroleum Gas 68476-86-8	No data available		
Petrolatum 8009-03-8	No data available		

Carcinogenicity: Contains Liquefied Petroleum Gas which may cause cancer
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA

Reproductive toxicity: Not available.
Teratogenicity: Not available
Specific target organ toxicity (single exposure): Not available
Specific target organ toxicity (repeated exposure): Prolonged exposure may cause damage to her central nervous system, lungs, skin and eyes.
Aspiration hazard: May be fatal if swallowed and enters airways
Information on the likely routes of exposure: Not available.

Additional Information:
Prolonged or repeated exposure of Heavy Aliphatic Naphtha to skin causes defatting and dermatitis.

Section 12 ECOLOGICAL INFORMATION

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
Heavy Aliphatic Naphtha 64742-96-7	LC50: 2.9 mg/l EC50 > 1.4 mg/l	Oncorhynchus mykiss (rainbow trout) Daphnia (water flea)	96 hours 48 hours
Liquefied Petroleum Gas 68476-86-8	LC50 > 1,400 mg/l EC50 > 2,285 mg/l	Lepomis macrochirus (Bluegill sunfish) Daphnia (water flea)	96 hours 48 hours

Conclusion/Summary : Not available.

12.2 Persistence and degradability

Product/ingredient name	Biodegradability
Heavy Aliphatic Naphtha 64742-96-7	Readily biodegradable.
Liquefied Petroleum Gas 68476-86-8	No data

Conclusion/Summary : Not available

12.3 Bioaccumulative potential

Product/ingredient name	Potential
Heavy Aliphatic Naphtha 64742-96-7	Does not bioaccumulate.
Liquefied Petroleum Gas 68476-86-8	No data

12.4 Mobility in soil
Soil/water partition coefficient (K_{OC}): Not available.
Mobility: Not available.

12.5 Results of PBT and vPvB assessment
PBT: Not available.
vPvB: Not available.

12.6 Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Possible toxicity to aquatic life.

Section 13 DISPOSAL CONSIDERATIONS

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product
Methods of disposal: Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.
Hazardous waste:
As packaged, this product is considered non-acute **Ignitable waste ((D001).**
Once emptied, the packaging may be considered "RCRA-empty" and can be disposed of according to local laws.

Contaminated Packaging
Methods of disposal: Do not puncture, incinerate or compact aerosol can.
When contents are depleted continue to depress button until all gas is expelled.

Special precautions:
Dispose of contents/container to disposal recycling center. 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. Waste management should be in full compliance with federal, state and local laws.

Section 14 TRANSPORTATION INFORMATION

	Proper Shipping Name	Hazard Class	UN number	NOTE
US DOT ground	Consumer Commodity	ORM-D	NA	Flame projection testing in accordance with 16CFR1500.45 found no flame projection.
US DOT air	AEROSOLS, Flammable, (each not exceeding 1L capacity)	2.1	UN1950	May be classified as Consumer commodity, ID 8000, class 9, Y963 packing instruction
IATA	AEROSOLS, Flammable (each not exceeding 1L capacity)	2.1	UN1950	IATA Labels required:Flammable Gas Limited Quantity: Y203
IMDG	AEROSOLS, Flammable (each not exceeding 1L capacity)	2.1	UN1950	Limited Quantity: Y203

Section 15 REGULATORY INFORMATION

United States Federal Regulations: SDS complies with the OSHA Hazard Communication Rule, 29 CFR 1910.1200.
CERCLA/Superfund, 40 CFR 117, 302: Butyl acetate RQ 5,000, Methyl Ethyl Ketone RQ 5,000

SARA Superfund and Reauthorization Act of 1986 Title III sections 302, 311,312 and 313:
Section 302 – None of the chemicals are Section 302 hazards
Section 311/312 – (40 CFR 370):

CHEMICAL	C.A.S. Number	Weight %	Section 311/312
Heavy Aliphatic Naphtha	64742-96-7	53 - 86	Acute health, Fire Hazard
Liquefied Petroleum Gas	68476-86-8	14 – 23	Acute health, fire, Sudden release of pressure

Section 313 – List of Toxic Chemicals (40CFC 372): This product does not contain chemicals (at level of 1% or greater) which are found on the 313 list of Toxic Chemicals.

Toxic Substance Control Act (TSCA): All substances are TSCA listed except barium oxidate mixture which is proprietary.
Resource Conservation and Recovery Act (RCRA 40 CFR 261) Subpart C & D: Refer to Section 13
Federal Water Pollution Control Act, Clean Water Act, 40 CFR 401.15 (formerly section 307) 40 CFR 116 (formerly section 311): This product does not contain listed chemicals

STATE REGULATIONS:
This SDS contains specific health and safety data is applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

CHEMICAL	C.A.S. Number	State
Heavy Aliphatic Naphtha	64742-96-7	NJ, MA, PA
Liquefied Petroleum Gas	68476-86-8	NJ, MA, PA
Petrolatum	8009-03-8	NJ, MA, PA

California Proposition 65: This product does not contain Prop 65 listed products.
California Safer Consumer Products list: Liquefied Petroleum Gas 68476-86-8 is a candidate for the SCP. Petrolatum 8009-03-8 is a candidate for the SCP.

INTERNATIONAL REGULATIONS:
Canada WHMIS: This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR. All substances are listed on the public Portion of the Domestic Substances List (DSL) except Barium oxidate mixture which is proprietary.

REACH: This product does not contain any substance listed on the Substances of Very High Concern (SvHC).

Sections 16 OTHER INFORMATION

HMIS HAZARD RATING:
(3) Fire (2) Health (1) Reactivity (B) Protective Equipment

REVISION DATES, SECTIONS, REVISED BY:
08-Jan-18 Original Preparer: Mary Kay Botkins

ABBREVIATIONS USED IN THIS DOCUMENT:
NE – Not Established, NA – Not Applicable, NIF – No Information Found, ND – Not Determined

ABRIDGED LIST OF REFERENCES:

Code of Federal Regulations (CFR)
The Sigma-Aldrich Library of Regulatory and Safety Data
Chemical Guide and OSHA Hazardous Communication Standard
The Environmental Protection Agency (www.epa.gov)
http://oehha.ca.gov/prop65/prop65_list
EPA list of lists: http://orise.orau.gov/emi/hazards-assessment/files/resources/epa-title3.pdf
ECHA: Candidate List of Substances of Very High Concern for Authorisation

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