



**PETRON
PLUS™
FORMULA 7**



Conforms to OSHA HCS 2012 (29 CFR 1910.1200)

SAFETY DATA SHEET

PETRON PLUS™ HI-TEMP, EXTREME-PRESSURE, MULTI-PURPOSE, LITHIUM COMPLEX GREASE

Part No. 00880-14 oz, 00880-35-lbs, 00880-120 lbs, & 00880-400 lbs

SECTION 1. PREPARATION INFORMATION

Date : March 18, 2015

1.1 Product Identifier

Material Name : Petron Plus Hi-Temp, Extreme-Pressure, Multi-Purpose, Lithium Complex Grease

Product Code : 00880-14 oz, 00880-35 lbs, 00880-120 lbs & 00880-400 lbs

1.2 Relevant identified uses of the substance or mixture and uses advised against

Product Use : Automotive and Industrial Grease.

Uses advised against : This product must not be used in applications other than recommended in Section 1 without taking the advice from supplier/manufacturer.

1.3 Details of supplier of safety data sheet.

Manufacturers/Supplier : PETRON PLUS GLOBAL, INC.
P. O. BOX 1906
208 East 2nd
HUTCHINSON, KS. 67504-1906 USA

Telephone Number : 620/663-1800

Emergency Telephone Number : 620/200-3338

Email Address : info@petronplus7.com

SECTION 2. HAZARDOUS IDENTIFICATION

2.1 Classification of the substance or mixture

OSHA Hazard Communication Standard

: This material is considered hazardous in accordance with OSHA HazCom 2012, 29 CFR 1910.1200). This SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture : Skin irritation / Corrosion -- Category 2 (H 315)
Eye irritation -- Category 1 (H 318)
Acute Toxicity (oral) -- Category 4.
Acute Toxicity (inhalation) -- Category 4

2.2 Label elements

Hazardous pictogram :



Sign word : WARNING DANGER

Hazardous statement : H 315 -- causes skin irritation.
H 318 -- causes serious eye damage.
H 335 -- may cause respiratory irritation.
H 303/ 332 -- harmful if swallowed or inhaled.

2.3 Other hazards

Health hazards : Not expected to be a health hazard when used under normal conditions. Prolonged or repeated skin contact without proper cleaning may clog the skin pores resulting in disorders like acne/folliculitis. Used grease may contain harmful impurities/harmful extraneous substances.

Safety hazard : Not classified as flammable but will burn.

Environment hazard : Not classified as environmental hazard under GHS criteria.

Precautionary statements :

Prevention : Wear protective gloves while handling. Wear eye and face protection.
Wash hands thoroughly after handling.

SECTION 2. HAZARDOUS IDENTIFICATION, Cont.

Precautionary statements, Cont.:

- Response** : If on skin; wash with plenty of soap and water. Remove contaminated clothing and shoes. Launder contaminated clothing before reuse. If in eyes, wash with water for several minutes, in case of contact lenses, remove and wash with plenty of water. In case of irritating, get medical attention. High-pressure injection under skin may cause serious damage. Excessive exposure may result in eye, skin, or respiratory irritation.
- Storage** : Store the product in well-ventilated area. Keep the container upright. Do not lay down, upside down, or do not keep container horizontally. This product has natural tendency to squeeze oil if not kept properly.
- Disposal** : Take expert advise of local regulatory agency for disposing of this product.
- Hazards not otherwise classified (HNOC)** : None as classified under 29 CFR 1900.1200

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture : This material is defined as a mixture.

| CHEMICAL NAME | CAS # | % by Weight | H or R phase | Comment |
|--|--------------|-------------|--------------|-------------------------------|
| Antimony Dialkyldithiocarbamate (NJTSR No. 800983-5015P) | -- | ± 5 % | H302/ 332 | Refer Section 2.2 for details |
| Zinc alkyldithiophosphate | Confidential | ± 3 % | H315, H318 | Refer Section 2.2 for details |

Additional information:

As per 29 CFR 1910.1200 paragraph (i), formulation is considered as trade secret and therefore specific chemical names and their percentages of components used have not been disclosed. The details about their specific chemical names and their percentages may be provided on request to health professionals, authorized representatives of regulatory authority, employees concerned in accordance with applicable provisions of this paragraph.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

- General information** : Not expected to be a health hazard if used under normal conditions.
- Inhalation** : Under normal conditions of intended use, this material is not expected to be a inhalation hazard. If some symptom exist, remove to fresh air. If not breathing, give artificial respiration. Get medical attention.
-

SECTION 4. FIRST AID MEASURES, Cont.

4.1 Description of first aid measures, Cont.

- Skin contact** : Remove contaminated clothing and shoes. Launder contaminated clothing before reuse. Flush contaminated skin with plenty of water followed by washing by soap. If persistent irritation occurs, obtain medical attention. If product is injection into or under the skin due to any reason, the victim, regardless of size or appearance of wound, victim should be brought immediately to medical attention for emergency surgical needs. Though the initial symptoms due to high pressure injection may be minimal / absent, early surgical treatment may significantly reduce the extent of injury.
- Eye contact** : Immediately flush eyes with plenty of water (for 30 minutes), occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- Ingestion** : In general no treatment is necessary unless large quantities are swallowed, however, it's advisable to take medical attention. Do Not induce vomiting unless directed by medical personnel. Do not give anything by mouth to an unconscious person. Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Self-protection for the first aider** : When administering the first aid, ensure that you are wearing the appropriate personal protective equipment according to the incident, injury and surroundings.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media:

- Suitable extinguishing media** : Halon, Dry chemicals, Foam, Carbon dioxide (CO₂), Water spray or fog. Do not use water jet as an extinguisher, as this will spread the fire.
- Unsuitable extinguishing media** : Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Specific hazards arising from the substance or mixture:

Hazardous combustion product may include a complex mixture of airborne solid liquid particulates and gases (smoke), carbon monoxide, unidentified inorganic and organic compounds.

5.3 Advice for firefighters:

Proper protective equipment include chemical resistant gloves to be worn, chemical resistant suit is recommended when large contact with spill product is expected. Self-contained breathing apparatus (SCBA) must be worn when approaching a fire in confined area. Select the fire fighters clothing approved by relevant standards.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Fully encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. Do not touch and walk through spill area. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing/equipment. Ventilate the closed areas.

6.2 Emergency procedures

Isolate the spill / leak area in all directions for about 150 feet (50 meters) for liquids and about 75 feet (25 meters) for solids and semi-solids. Eliminate all sources of ignition or flammable (no smoking, sparks, flames, etc.) that may come into contact with a spill of this material, if this can be done without risk. Keep unauthorized person away and ventilate closed spaces before entering. Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Contain the discharge material.

6.3 Environmental procedures

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.4 Methods and materials for containment and cleaning up

For Small Spills: Ventilate area, wear chemical splash goggles. Wear rubber boots. Prevent entry into sewers, waterways. Pick up free liquid for recycle or disposal. Absorb small amount on inert material for disposal, or shovel into suitable properly marked container for disposal or reclamation in accordance with local regulations.

For Large Spills: Personal Protective Equipment must be worn. Avoid skin contact. Use skin protection. See Personal Protection Section for additional PPE recommendations. Take precautions to avoid release to the environment. Ventilate area if spilled in confined space or other poorly ventilated area. Prevent entry into sewer and waterway. Pick-up free solids, semi-solids, liquid for recycle and/or disposal. Residual solids, slime-solids, liquid can be absorbed on inert material, or shovel.

6.5 Reference to other sections

Refer to Section 8 - exposure control / personal protection and Section 13 - disposal considerations

SECTION 7. HANDLING AND STORAGE

7.1 General Precautions

Store in well-ventilated area, if risk of vapor inhalation is there. Use the information in this safety data sheet as input for risk management arising due to local conditions which help to manage safe handling of this product.

SECTION 7. HANDLING AND STORAGE, Cont.

7.2 Precautions for safe handling

Avoid prolonged and repeated contact with skin. Avoid inhaling the vapors/mist. When handling the drums, kegs, pails, etc., proper safety shoes, and other protective clothes, safety glasses, etc. should be worn. Dispose appropriately any contaminated rags/material as per prevailing local allowable practices. Keep containers in closely tight and, cool and well ventilated areas.

7.3 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in dry, cool and well-ventilated area, preferably < 120°F (< 50°C) and away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and keep upright to prevent leaking. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

7.4 Specific End Use(s):

This material should not be used for any other purpose that the intended use per Section 1 without expert advice.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

| Material | Source | Type | ppm | mg/m3 | Notation |
|------------------------------------|--------------|-------------------------|-----|-------------|----------|
| Lithium hydroxide mono hydrate | AIHA WEEL | Ceiling | | 1.8 mg/m3 | |
| Mineral oil mist | ACGIH | TWA -vacated and TWA | | 5.0 mg/m3 | |
| Antimony Dialkyldithiocarbamate | ACGIH | TWA -vacated and TWA | | 0.5 mg/m3 | |
| Zinc alkyl dithiophosphate | ACGIH, TLV | TWA | | 0.025 mg/m3 | |

Additional information:

Due to semi-solid nature of the product, generation of mist and dust is unlikely to occur.

Biological exposure index (BEI):

No biological limit allocated.

PNEC related information:

Data not available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION, Cont.

8.1 Control parameters, Cont.

Monitoring methods:

Monitoring of the concentration of substances in the breathing zone of workers or in general workplace may be required to confirm the compliance with local governing authority.

8.2 Engineering measures/controls

Adequate ventilation systems may be needed to control concentration of airborne contaminants above permissible threshold applicable limits.

8.3 Personal protective equipment pictograms



Respiratory:

In case of insufficient ventilation, use suitable respiratory equipment.

Eye/face protection:

Wear safety goggles.

Skin / Body:

Wear safety shoes and protective gloves.

8.4 Environmental Exposure Controls:

Minimize release to the environment. Follow best practices for site management and disposal of waste as per local regulations.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on physical and chemical properties

| | | |
|-----------------------|---|----------------------------|
| Physical state | : | Semi Solid Grease |
| Color | : | Red. |
| Odor | : | Slight hydrocarbon. |
| Odor threshold | : | Not available. |
| pH | : | Not applicable. |
| Pour point | : | Not applicable. |
| Boiling point | : | Not available. |

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES, Cont.

Information on physical and chemical properties, Cont.

| | | |
|--|---|---|
| Flash point | : | > 400°F (204°C). |
| Evaporation rate | : | Not available. |
| Flammability (Solid, gas) | : | Not available. |
| Lower and upper explosive: (flammable) limits | : | Not available. |
| Vapor pressure @ ambient: temperature | : | < 0.13 kPa (< 1 mm Hg) |
| Vapor density (Air = 1) | : | < 1 |
| Partition coefficient: n- octanol/water | : | Not available. |
| Auto-ignition temperature: | : | Not available. |
| Decomposition temperature | : | Not available. |
| Specific Gravity: | : | 0.87 |
| Density | : | 7.506 (lbs/gal). |
| Electrical conductivity | : | Though no data is available, this material is not expected to be a static accumulator. |

SECTION 10. STABILITY AND REACTIVITY

- 10.1 Reactivity** : No reactivity is expected under normal conditions of intended use. However, under high temperatures of adverse operating conditions thermal / chemical decomposition of the product may be possible.
- 10.2 Chemical stability** : No hazardous reaction is expected under normal conditions of temperatures and pressure.
- 10.3 Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur. Reacts with strong oxidizing agents.
- 10.4 Conditions to avoid** : Extreme temperatures and direct sunlight / heat, flames and sources of ignition.
- 10.5 Incompatible material** : Reactive or incompatible with the following materials:
Strong oxidizing agents.
- 10.6 Hazardous Polymerization** : Hazardous decomposition is not expected to form under normal conditions of storage.
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SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological information

Basis of assessment : Information given hereby is based on the components and the toxicology of similar products and the data indicated here are representative of mainly base oil which is present in majority to make this product.

Acute oral toxicity : Expected to be low toxicity; LD50 (rat) > 5000 mg/kg (literature)

Acute dermal toxicity : Expected to be low toxicity; LD50 (rat) > 3000 mg/kg (literature)

Acute inhalation toxicity : Not determined.

Skin corrosion / irritation: Expected to be slightly irritating, prolonged / repeated contact with skin without adequate cleaning may clog the pores of the skin, may result in disorder such as oil acne / folliculitis.

Serious eye damage / irritation
: Expected to be slightly irritating.

Respiratory / skin sensitization
: Not determined.

Aspiration hazard : Not determined.

Germ cell mutagenicity : Not determined.

Carcinogenicity : Not considered to be carcinogenic as it contains severely hydrotreated mineral oils which are reported to be non-carcinogenic in lab animals studies. The class of oils used in making this product are not classified as carcinogenic by IARC.

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SECTION 11. TOXICOLOGICAL INFORMATION, Cont.

11.2 Material Carcinogenicity Classification

Highly refined base oil blend (IP 346 < 3 %) : ACGIH group A4; not classified as human carcinogen.

IARC 3; not classified as to carcinogen to humans.

GHS / CLP, no carcinogenicity classification.

Based on raw material suppliers information/SDS, this material is not known to contain any chemical listed as a carcinogen or suspected carcinogen by OSHA Hazard Communication Standard 29CFR 1910.1200, IARC, or the National Toxicology Program (NTP) except crystalline silica which is present < 0.1% by weight.

SECTION 12. ECOLOGICAL INFORMATION

Basis of assessment : Eco-toxicological data has not been determined specifically on this product. The information given herewith are based on the information given on eco-toxicity of components and/or on similar products. The information given here are representative of the product as whole and not as individual components.

12.1 Toxicity : Sparingly soluble mixture in aqueous media. Not toxic to fish but may coat gill structure and cause suffocation if spilled. This may cause gastrointestinal distress in birds and mammals through ingestion.

12.2 Persistence and degradability : Expected to be not readily biodegradable. This major oil component expected to biodegrade over period of 100-120 days in aerobic environment at temperatures above 70°F (21°C), however finished product contains components that may persist in the environment.

12.3 Bioaccumulative potential : May contain components that bioaccumulate.

SECTION 12. ECOLOGICAL INFORMATION, Cont.

12.4 Mobility in soil : Product is semi-solid in nature in most conditions and may absorb to soil and may not be mobile. It floats on water.

12.5 Other Adverse Effects

: Product contains the component that have been classified non-volatile in nature and therefore not expected to release to environment in significant quantities.

SECTION 13. DISPOSAL CONSIDERATION

13.1 Waste treatment methods

Product disposal

: Try to minimize the product waste by using best applicable practices. It is the responsibility of the waste generator to evaluate the waste classification and appropriate disposal methodology in accordance with the applicable regulation. Do not dispose in to environment, in drain or in river / ponds / water reservoirs.

Regulatory Disposal information

: To the best of Petron Plus Global, Inc. knowledge, this product is not listed by EPA as a hazardous waste (40 CFR, Part 261 D) and also not formulated specifically to contain reactant materials which listed as hazardous waste. However used product may be regulated.

Empty Container Warning

: Do not attempt to refill or clean containers since residue is difficult to remove. Empty drums should be completely drained, properly bunged and returned to a drum re-conditioner. All containers should be disposed of in an environmentally safe manner and in accordance with government regulations.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION for additional handling information and protection of employees.

SECTION 14. TRANSPORTATION INFORMATION

| | Bulk Shipping | Non-bulk Shipping | Identification Number | Hazardous Class |
|----------------------------|--|--------------------------|------------------------------|------------------------|
| US DOT | Not required | Not required | Not required | Not required |
| Canada TDG | Not required | Not required | Not required | Not required |
| European | Not required | Not required | Not required | Not required |
| ADR, IMDG, IATA-DGR | 3082, Contain environmentally hazardous substance Antimony dialkyldithiocarbamate (± 5 %) which could possibly be an marine pollutant. | | | |

SECTION 15. REGULATORY INFORMATION

OSHA Hazard Communication Standard

: This material is considered hazardous in accordance with OSHA HazCom 2012, 29 CFR 1910.1200

US Inventory Lists (TSCA 8b) : All components are listed / exempted.

SARA (302/304) : No products were found.

SARA 311/312 Classification : Immediate (acute) health hazard, delayed (chronic) health hazard.

| Component | Fire Hazard | Sudden Release of Pressure | Reactive | Acute Health Hazard | Delayed Health Hazard |
|--|--------------------|-----------------------------------|-----------------|----------------------------|------------------------------|
| Base Oil | No | No | No | No | Yes |
| Lithium hydroxide | No | No | No | Yes | Yes |
| Antimony Dialkyldithiocarbamate | No | No | No | Yes | No |

SARA (313) Toxic Release Inventory

: This material may contain chemical(s) regulated under SARA. For specific question contact Petron Plus Global, Inc. customer service at info@petronplus7.com.

Massachusetts : None of the components are listed.

New York : None of the components are listed.

SECTION 15. REGULATORY INFORMATION, Cont.

SARA (313) Toxic Release Inventory, Cont.

- New Jersey** : Lithium hydroxide, antimony compounds are listed.
- WHMIS** : This product is not a controlled product.
- Canadian NPRI** : Non of the components are listed.
- CEPA toxic Substance** : Non of the components are listed.
- Canadian (NDSL)** : All components are listed or exempted.
- Australia Inventory (AICS)** : All components are listed or exempted.
- China Inventory (IECSC)** : All components are listed or exempted.
- Japan Inventory** : Not determined.
- Korea Inventory** : All components are in compliance in Korea.
- Malaysia Inventory (ESH Register)** : Not determined.
- New Zealand Inventory of Chemicals (NZIoC)** : All components are in compliance with chemical notification requirements in New Zealand.
- Philippines** : All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969).
- Taiwan Inventory (CSNN)**: Not determined.

SECTION 16. OTHER INFORMATION

NFPA 704



HMIS



- 0 (Minimal)
- 1 (Slight)
- 2 (Moderate)
- 3 (Serious)
- 4 (Severe)

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SECTION 16. OTHER INFORMATION, Cont.

Copyright 2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Revision Date: 18-March-2015
Updated to Format.

Key to Abbreviations:

ACGIH = American Conference of Government Industrial Hygienists; API = American Petroleum Institute; ATE = Acute Toxicity Estimate; BCF = Bioconcentration Factor; CAS/CASRN = Chemical Abstracts Service Registry Number, CEILING = Ceiling Limit (15 minutes); CERCLA = The Comprehensive Environmental Response, Compensation, and Liability Act; DOT = Department of Transportation (USA); EPA = Environmental Protection Agency; GHS = Globally Harmonization System; IARC = International Agency for Research for Cancer; IATA = International Air Transport Association; IBC = Intermediate Bulk Container; IMO/IMDG = International Maritime Dangerous Goods Code; INSHT = National Institute for Health and Safety at Work; IOPC = International Oil Pollution Compensation; LEL = Lower Explosive Limit; LogPow = Logarithm of the octanol/water partition coefficient; MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships; 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution); NE = Not Established; NFPA = National Fire Protection Association; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; PEL = Permissible Exposure Limit (OSHA); SDS = Safety Data Sheet; SARA = Superfund Amendments and Reauthorization Act; STEL = Short Term Exposure Limit (15 minutes); TLV = Threshold Limit Value (ACGIH); TWA = Time Weight Average (8 hours); UEL = Upper Explosive Limit; UN = United Nations; WHMIS = Worker Hazardous Materials Information System (Canada).

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