

1. IDENTIFICATION**Product identifier****Product Name** Open Gear Grease**Other means of identification****(M)SDS Number** 1377001Klon**Recommended use of the chemical and restrictions on use****Recommended Use** Lubricant**Uses advised against** No information available**Details of the supplier of the safety data sheet****Supplier Identification** KLONDIKE Lubricants Corp**Address** KLONDIKE Lubricants Corp
3078 275 Street
Langley, BC Canada
V4W 3L4**Telephone** KLONDIKE TEL : 877-293-6922**E-mail** info@klondikelubricants.com**Emergency telephone number****Company Emergency Phone Number** 1-800-699-6318**Emergency Telephone Number** CHEMTREC: +1-703-527-3887 (INTERNATIONAL)
1-800-424-9300 (NORTH AMERICA)**2. HAZARDS IDENTIFICATION****Classification**

| | |
|-----------------------------------|-------------|
| Serious eye damage/eye irritation | Category 2A |
|-----------------------------------|-------------|

Appearance Dark Gray Black**Physical state** Paste / Gel**Odor** Mild Petroleum

GHS Label elements, including precautionary statements

Warning

Hazard statements

Causes serious eye irritation



Precautionary Statements - Prevention

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Wear protective gloves/eye protection/face protection

Wash face, hands and any exposed skin thoroughly after handling

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

If eye irritation persists: Get medical advice/attention

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other information

Harmful to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable.

Mixture

| Chemical Name | CAS-No | Weight-% | Hazardous Material Information Review Act registry number (HMIRA registry #) | Date HMIRA filed and date exemption granted (if applicable) |
|--|------------|----------|---|---|
| Distillates (petroleum), hydrotreated heavy naphthenic | 64742-52-5 | 40-45 | - | - |
| Calcium carbonate | 471-34-1 | 5-10 | - | - |
| Petroleum resins | 64742-16-1 | 1-5 | - | - |
| Pentene, 2,4,4-trimethyl-, sulfurized | 68515-88-8 | 1-5 | - | - |
| Carbon black | 1333-86-4 | <2 | - | - |

4. FIRST AID MEASURES

First aid measures

| | |
|---|---|
| General advice | IF exposed or concerned: Get medical advice/attention. Show this safety data sheet to the doctor in attendance. |
| Inhalation | Remove to fresh air. |
| Eye contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists. |
| Skin contact | Wash skin with soap and water. |
| Ingestion | Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician. |
| Self-protection of the first aider | Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8). |

Most important symptoms and effects, both acute and delayed

| | |
|-----------------|--------------------|
| Symptoms | Burning sensation. |
|-----------------|--------------------|

Indication of any immediate medical attention and special treatment needed

| | |
|---------------------------|------------------------|
| Note to physicians | Treat symptomatically. |
|---------------------------|------------------------|

5. FIRE-FIGHTING MEASURES

| | |
|---|--|
| Suitable Extinguishing Media | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Unsuitable extinguishing media | CAUTION: Use of water spray when fighting fire may be inefficient. |
| Specific hazards arising from the chemical | No information available. |
| Hazardous Combustion Products | Carbon oxides. |
| Explosion Data | |
| Sensitivity to Mechanical Impact | None. |
| Sensitivity to Static Discharge | None. |
| Special protective equipment for fire-fighters | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

| | |
|-----------------------------|---|
| Personal precautions | Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. |
| Other Information | Refer to protective measures listed in Sections 7 and 8. |

Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

| Chemical Name | | ACGIH TLV | | OSHA PEL | | NIOSH IDLH | | | |
|-------------------------------|--|--|--|--|--|---|--|----------------|--|
| Calcium carbonate 471-34-1 | | - | | TWA: 15 mg/m³ TWA: 5 mg/m³ (vacated) TWA: 15 mg/m³ (vacated) TWA: 5 mg/m³ | | TWA: 5 mg/m³ respirable dust TWA: 10 mg/m³ total dust | | | |
| Carbon black 1333-86-4 | | TWA: 3 mg/m³ inhalable particulate matter | | TWA: 3.5 mg/m³ (vacated) TWA: 3.5 mg/m³ | | IDLH: 1750 mg/m³ TWA: 3.5 mg/m³ TWA: 0.1 mg/m³ Carbon black in presence of Polycyclic aromatic hydrocarbons PAH | | | |
| Chemical Name | | Alberta | | British Columbia | | Ontario TWAEV | | Quebec | |
| Calcium carbonate 471-34-1 | | TWA: 10 mg/m³ | | | | | | TWA: 10 mg/m³ | |
| Carbon black 1333-86-4 | | TWA: 3.5 mg/m³ | | TWA: 3 mg/m³ | | TWA: 3 mg/m³ | | TWA: 3.5 mg/m³ | |

Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992). See section 15 for national exposure control parameters.

Appropriate engineering controls

Engineering controls Showers
Eyewash stations
Ventilation systems.

| | |
|---------------------------------------|--|
| Eye/face protection | If splashes are likely to occur, wear safety glasses with side-shields. |
| Hand protection | Wear suitable gloves. Viton™. Rubber gloves. Nitrile rubber. Neoprene gloves. |
| Skin and body protection | Wear suitable protective clothing. Long sleeved clothing. Apron. |
| Respiratory protection | No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. |
| General hygiene considerations | Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Handle in accordance with good industrial hygiene and safety practice. |

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

| | |
|-----------------------|--------------------------|
| Physical state | Paste / Gel |
| Appearance | Dark Gray Black |
| Odor | Mild Petroleum |
| Color | No information available |
| Odor Threshold | No information available |

| <u>Property</u> | <u>Values</u> | <u>Remarks Method</u> |
|--|--------------------------|-----------------------|
| pH | UNKNOWN | |
| Melting / freezing point | No data available | None known |
| Boiling point / boiling range | No data available | None known |
| Flash Point | >204°C | |
| Evaporation Rate | No data available | None known |
| Flammability (solid, gas) | No data available | None known |
| Flammability Limit in Air | | None known |
| Upper flammability limit | No data available | |
| Lower flammability limit | No data available | |
| Vapor pressure | No data available | None known |
| Vapor density | No data available | None known |
| Relative density | 1.00 | |
| Water Solubility | No data available | |
| Solubility(ies) | No data available | None known |
| Partition coefficient: n-octanol/water | No data available | |
| Autoignition temperature | No data available | None known |
| Decomposition temperature | No data available | None known |
| Kinematic viscosity | No data available | None known |
| Dynamic viscosity | No data available | None known |
| Explosive properties | No information available | |
| Oxidizing properties | No information available | |

Other Information

| | |
|-----------------------------------|--------------------------|
| Softening Point | No information available |
| Molecular Weight | No information available |
| VOC Content (%) | No information available |
| Liquid Density | No information available |
| Bulk Density | No information available |
| Particle Size | No information available |
| Particle Size Distribution | No information available |

10. STABILITY AND REACTIVITY

| | |
|---|---|
| Reactivity | No information available. |
| Chemical stability | Stable under normal conditions. |
| Possibility of Hazardous Reactions | None under normal processing. |
| Hazardous Polymerization | Hazardous polymerization does not occur. |
| Conditions to avoid | None known based on information supplied. |
| Incompatible materials | None known based on information supplied. |
| Hazardous Decomposition Products | Carbon oxides. |

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

| | |
|---------------------|---|
| Inhalation | Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. |
| Eye contact | Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain. |
| Skin contact | Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and irritation. |
| Ingestion | Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. |

Information on toxicological effects

| | |
|-----------------|--|
| Symptoms | May cause redness and tearing of the eyes. |
|-----------------|--|

Numerical measures of toxicity

Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

| | |
|----------------------|----------------|
| ATEmix (oral) | 6,684.00 mg/kg |
|----------------------|----------------|

Unknown acute toxicity No information available

Component Information

| Chemical Name | LD50 Oral | LD50 Dermal | Inhalation LC50 |
|--|---|-------------------------|---|
| Distillates (petroleum), hydrotreated heavy naphthenic | > 5000 mg/kg (Rat) | > 2000 mg/kg (Rabbit) | |
| Calcium carbonate | = 6450 mg/kg (Rat) | | |
| Pentene, 2,4,4-trimethyl-, sulfurized | > 5000 mg/kg (Rat) = 3641 mg/kg (Rat) | > 2000 mg/kg (Rabbit) | > 5.6 mg/L (Rat) 4 h = 2.2 mg/L (Rat) 4 h |
| Carbon black | > 15400 mg/kg (Rat) | > 3 g/kg (Rabbit) | |

Delayed and immediate effects as well as chronic effects from short and long-term exposure

| | |
|--|---|
| Skin corrosion/irritation | May cause skin irritation. |
| Serious eye damage/eye irritation | Classification based on data available for ingredients. Irritating to eyes. |

| | |
|--|---------------------------|
| Respiratory or skin sensitization | No information available. |
| Germ cell mutagenicity | No information available. |
| Carcinogenicity Legend | No information available. |
| Reproductive toxicity | No information available. |
| STOT - single exposure | No information available. |
| STOT - repeated exposure | No information available. |
| Aspiration hazard | No information available. |

12. ECOLOGICAL INFORMATION

Ecotoxicity Harmful to aquatic life with long lasting effects.

| Chemical Name | Toxicity to Algae | Toxicity to Fish | Toxicity to Microorganisms | Daphnia Magna (Water Flea) |
|--|-------------------|---|----------------------------|----------------------------|
| Distillates (petroleum), hydrotreated heavy naphthenic | | 96h LC50: > 5000 mg/L (Oncorhynchus mykiss) | - | 48h EC50: > 1000 mg/L |
| Carbon black | | | - | 24h EC50: > 5600 mg/L |

Persistence and Degradability No information available.

Bioaccumulation

Mobility No information available.

Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

14. TRANSPORT INFORMATION

DOT
Proper Shipping Name NOT REGULATED
Hazard Class NON-REGULATED
N/A

TDG Not regulated

| | |
|--|--------------------------------|
| <u>MEX</u> | NOT REGULATED |
| <u>ICAO</u> | NOT REGULATED |
| <u>IATA</u> Proper Shipping Name | Not regulated NON REGULATED |
| <u>IMDG</u> | Not regulated |
| <u>RID</u> | NOT REGULATED |
| <u>ADR</u> | NOT REGULATED |
| <u>ADN</u> | NOT REGULATED |

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Regulations

Ozone-depleting substances (ODS) Not applicable

Persistent Organic Pollutants Not applicable

Export Notification requirements Not applicable

International Inventories

| | |
|----------------------|---|
| TSCA | Complies. |
| DSL/NDSL | Complies. |
| EINECS/ELINCS | Complies. |
| ENCS | Contact supplier for inventory compliance status. |
| KECL | Contact supplier for inventory compliance status. |
| PICCS | Contact supplier for inventory compliance status. |
| AICS | Contact supplier for inventory compliance status. |

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| | |
|--|----|
| Acute Health Hazard | No |
| Chronic Health Hazard | No |
| Fire Hazard | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product contains carbon black which is classified as a possible carcinogen when present as respirable dust. This is not relevant for this product since it is not in a respirable form.

| Chemical Name | California Proposition 65 |
|--------------------------|---------------------------|
| Carbon black - 1333-86-4 | Carcinogen |

U.S. State Right-to-Know Regulations

This product may contain substances regulated by state right-to-know regulations.

| Chemical Name | New Jersey | Massachusetts | Pennsylvania | Rhode Island | Illinois |
|---|------------|---------------|--------------|--------------|----------|
| Distillates (petroleum), hydrotreated heavy naphthenic 64742-52-5 | | | | | X |
| Calcium carbonate 471-34-1 | X | | | | |
| Carbon black 1333-86-4 | X | X | X | | X |

16. OTHER INFORMATION

NFPA

Health hazards 1

Flammability 1

Instability 0

Physical and Chemical
Properties -

HMIS

Health hazards 1

Flammability 1

Physical hazards 0

Personal Protection X

Prepared By

Product Stewardship
23 British American Blvd.
Latham, NY 12110
1-800-572-6501

Issuing Date

28-Jan-2020

Revision Date

24-Aug-2020

Revision Note

No information available

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text