# Safety Data Sheet

## SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**1.1 Product identifier**

## Black Pearl® EP 1, 2

**Product Number(s):** 804582, 804583

**1.2 Relevant identified uses of the substance or mixture and uses advised against**
**Identified Uses:** Industrial Grease

**1.3 Details of the supplier of the safety data sheet**
Chevron Products UK Limited
1 Westferry Circus
Canary Wharf
London E14 4HA
United Kingdom
email : eumsds@chevron.com

**1.4 Emergency telephone number**
**Transportation Emergency Response**
Europe: 0044/(0)18 65 407333 and CHEMTREC: +1 703 527 3887
**Health Emergency**

Chevron Emergency Information Center: Located in the USA, international calls accepted 24 hours: +1 510 231 0623
Europe: 0044/(0)18 65 407333
**Product Information**
Product Information: FAX number: 0044/20 77 19 5171

## SECTION 2 HAZARDS IDENTIFICATION

**2.1 Classification of the substance or mixture**

**CLP CLASSIFICATION:**
Not classified as dangerous according to UK REACH regulation.

**2.2 Label elements**
Under the criteria of GB CLP:
Not classified

- contains: Zinc naphthenate. May produce an allergic reaction.

**2.3 Other hazards**
This material does not contain a substance considered to have endocrine disrupting properties at levels of 0.1% weight or higher. This material does not contain a substance considered to be PBT or vPvB at levels of 0.1% weight or higher.

## SECTION 3 COMPOSITION/ INFORMATION ON INGREDIENTS

**3.2 Mixtures**
This material is a mixture.

| COMPONENTS | CAS NUMBER | EC NUMBER | REGISTRATION NUMBER | GB CLP CLASSIFICATION | AMOUNT |
|---|---|---|---|---|---|
| Highly refined mineral oil (C15 - C50) | Mixture | * | ** | None | 70 - 99 %weight |
| Zinc naphthenate | 12001-85-3 | 234-409-2 | ** | Aquatic Chronic 2/H411; Eye Irrit. 2/H319; Skin Sens. 1B/H317 | 0.1 - < 1 %weight |

The full text of all CLP H-statements is shown in Section 16.

In accordance with reference IP 346/92: "DMSO Extraction Method", we have determined that the base oils used in this preparation contain <3% DMSO extract and are not carcinogenic.
*Contains one or more of the following EINECS numbers: 265-090-8, 265-091-3, 265-096-0, 265-097-6, 265-098-1, 265-101-6, 265-155-0, 265-156-6, 265-157-1, 265-158-7, 265-159-2, 265-160-8, 265-166-0, 265-169-7, 265-176-5, 276-736-3, 276-737-9, 276-738-4, 278-012-2.
**Not available or substance is not currently required for registration under UK REACH.

## SECTION 4 FIRST AID MEASURES

**4.1 Description of first aid measures**
**Eye:** No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.
**Skin:** No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To further remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.
**Ingestion:** No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice.
**Inhalation:** No specific first aid measures are required. 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.

**4.2 Most important symptoms and effects, both acute and delayed**
**IMMEDIATE SYMPTOMS AND HEALTH EFFECTS**
**Eye:** Not expected to cause prolonged or significant eye irritation.
**Skin:** High-Pressure Equipment Information: Accidental high-velocity injection under the skin of materials of this type may result in serious injury. Seek medical attention at once should an accident like this occur. The initial wound at the injection site may not appear to be serious at first; but, if left untreated, could result in disfigurement or amputation of the affected part.
Contact with the skin is not expected to be harmful.
**Ingestion:** Not expected to be harmful if swallowed.
**Inhalation:** Not expected to be harmful if inhaled. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing.

**DELAYED OR OTHER SYMPTOMS AND HEALTH EFFECTS:** Not classified.

**4.3 Indication of any immediate medical attention and special treatment needed**

Not applicable.

## SECTION 5 FIRE FIGHTING MEASURES

### 5.1 Extinguishing media
Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

### 5.2 Special hazards arising from the substance or mixture
**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.

### 5.3 Advice for firefighters
This material will burn although it is not easily ignited. See Section 7 for proper handling and storage. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures
Observe all relevant local and international regulations. Eliminate all sources of ignition in vicinity of spilled material. Keep out unnecessary and unprotected personnel. Persons entering the contaminated area to correct the problem or to determine whether it is safe to resume normal activities must comply with all instructions in the Exposure Controls/PersonalProtection section. Refer to Sections 5 and 8 for more information.

### 6.2 Environmental precautions
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.

### 6.3 Methods and material for containment and cleaning up
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 and dispose of in a manner consistent with applicable requirements. Place other contaminated materials in disposable containers and dispose of in a manner consistent with applicable requirements. Report spills to local authorities as appropriate or required.

### 6.4 Reference to other sections
See sections 8 and 13.

## SECTION 7 HANDLING AND STORAGE

### 7.1 Precautions for safe handling
**General Handling Information:** Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.
**Precautionary Measures:** Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Wash thoroughly after handling.
**Static Hazard:** Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures.
**Container Warnings:** Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid,

and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

**7.2 Conditions for safe storage, including any incompatibilities**
Not Applicable

**7.3 Specific end use(s):**Industrial Grease

## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**GENERAL CONSIDERATIONS:**
Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the workplace when designing engineering controls and selecting personal protective equipment (PPE). If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, refer to PPE information below.

Factors that affect PPE include, but are not limited to: properties of the chemical, other chemicals which may contact the same PPE, physical requirements (fit & sizing, cut/puncture protection, dexterity, thermal protection, etc.), and potential allergic reactions to the PPE material. It is the responsibility of the user to read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances. Refer to appropriate CEN standards.

**8.1 Control parameters**
**Occupational Exposure Limits:**

| Component | Country/ Agency | Form | TWA | STEL | Ceiling | Notation |
|---|---|---|---|---|---|---|
| Highly refined mineral oil (C15 - C50) | United Kingdom | -- | 5 mg/m3 | 10 mg/m3 | -- | -- |

Consult local authorities for appropriate values.

**8.2 Exposure controls**
**ENGINEERING CONTROLS:**
Use in a well-ventilated area.

**PERSONAL PROTECTIVE EQUIPMENT**
**Eye/Face Protection:** Wear protective equipment to prevent eye contact. Selection of protective equipment may include safety glasses, chemical goggles, face shields, or a combination depending on the work operations conducted.
**Skin Protection:** Wear chemical personal protective equipment (PPE) to prevent skin contact. Selection of chemical protective clothing should be performed by an Occupational Hygienist or Safety Professional and be based upon applicable standards (ASTM F739 or EN 374). Using chemical PPE depends upon operations conducted and may include chemical gloves, boots, chemical apron, chemical suit, and complete facial protection. **Refer to PPE manufacturers to obtain breakthrough time information to determine how long PPE can be used before it needs to be replaced.** Unless specific glove manufacturer data indicates otherwise, the below table is based upon available industry data to assist in the glove selection process and is intended to be used as reference only.

| Chemical Glove Material | Thickness (mm) | Typical Breakthrough Time (minutes) |
|---|---|---|
| Butyl | 0.7 | 120 |
| Nitrile | 0.8 | 240 |
| Viton Butyl | 0.3 | 240 |

**Respiratory Protection:** A site-specific risk assessment should be conducted by an Occupational

Hygienist or a Safety Professional to determine the type and use of respiratory protective equipment. When a site-specific risk assessment determines that respiratory protection is required, use an approved respirator such as:

**Air purifying respirator -**
If airborne concentration limits exceed the applicable occupational exposure limit, but are below the maximum use concentration.
Vapors only: organic vapor cartridge (filter type A3 per EN 529:2005).
Vapors and particulates (including generated mists): both an organic vapor cartridge & particulate filter (AP3 filter per EN 529:2005).
Refer to respirator manufacturers to obtain service life of cartridge / filter.

**Positive pressure air-supplying respirator -**
If airborne concentration limits exceed the maximum use concentration offered from an air purifying respirator.

Refer to EN 529:2005, USA OSHA 1910.134, and/or other applicable local/regional/national/international standards for regulatory requirements.

**ENVIRONMENTAL EXPOSURE CONTROLS:**
See relevant Community environmental protection legislation or the Annex, as applicable.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**Attention: the data below are typical values and do not constitute a specification.**

**9.1 Information on basic physical and chemical properties**
**Appearance**
**Color:** Black
**Physical State:** Semi-solid
**Odor:** Petroleum odor
**Odor Threshold:** Not tested/Not Measured
**pH:** Not Applicable
**Melting Point:** Not tested/Not Measured
**Freezing Point:** Not tested/Not Measured
**Initial Boiling Point:** Not tested/Not Measured
**Flashpoint:** 204 °C (399 °F) (Minimum)
**Evaporation Rate:** Not tested/Not Measured
**Flammability (solid, gas):** Not tested/Not Measured
**Flammability (Explosive) Limits (% by volume in air):**
Lower: Not Applicable Upper: Not Applicable
**Vapor Pressure:** Not tested/Not Measured
**Relative Vapor Density:** Not tested/Not Measured
**Density:** Not tested/Not Measured
**Solubility:** Soluble in hydrocarbons; insoluble in water
**Partition coefficient n-octanol/water (logarithmic value):** No data available
**Auto-ignition temperature:** Not tested/Not Measured
**Decomposition temperature:** Not tested/Not Measured
**Kinematic Viscosity:** 13.5 mm2/s @ 100°C (212°F) (Minimum)
**Explosive Properties:** Not tested/Not Measured
**Oxidising properties:** Not tested/Not Measured

**9.2 Other Information:** Not tested/Not Measured

## SECTION 10 STABILITY AND REACTIVITY

**10.1 Reactivity:** May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
**10.2 Chemical Stability:** This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
**10.3 Possibility of hazardous reactions:** Hazardous polymerization will not occur.
**10.4 Conditions to Avoid:** Not applicable
**10.5 Incompatible materials to avoid:** Not applicable
**10.6 Hazardous decomposition products:** None known (None expected)

## SECTION 11 TOXICOLOGICAL INFORMATION

**11.1 Information on hazard classes**
**Product Information:**
**Serious Eye Damage/Irritation:** The material is not considered an eye irritant. The product has not been tested. The statement is based on evaluation of data for similar materials.

**Skin Corrosion/Irritation:** The material is not considered a skin irritant. The product has not been tested. The statement is based on evaluation of data for similar materials.

**Skin Sensitization:** The material is not considered a skin sensitizer. The product has not been tested. The statement is based on evaluation of data for similar materials.

**Acute Dermal Toxicity:** The material is not considered a dermal toxicant. The product has not been tested. The statement is based on evaluation of data for similar materials.

**Acute Toxicity Estimate (dermal):** Not Applicable

**Acute Oral Toxicity:** The material is not considered an oral toxicant. The product has not been tested. The statement is based on evaluation of data for similar materials.

**Acute Toxicity Estimate (oral):** Not Applicable

**Acute Inhalation Toxicity:** The material is not considered an inhalation toxicant. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

**Acute Toxicity Estimate (inhalation):** Not Applicable

**Germ Cell Mutagenicity:** The material is not considered a mutagen. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

**Carcinogenicity:** The material is not considered a carcinogen. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

**Reproductive Toxicity:** The material is not considered a reproductive toxicant. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

**Specific Target Organ Toxicity - Single Exposure:** The material is not considered a target organ toxicant (single exposure). The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

**Specific Target Organ Toxicity - Repeated Exposure:** The material is not considered a target organ toxicant (repeated exposure). The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

**Aspiration Hazard:** The material is not considered an aspiration hazard.

**Component Information:**

| Serious Eye Damage/Irritation: | |
|---|---|
| Highly refined mineral oil (C15 - C50) | Based on available data, the classification criteria are not met |
| Zinc naphthenate | Protocol: OECD 492 - In Vitro Eye Irritation: Reconstructed Human Cornea-like Epithelium (RhCE)<br>Test Result: Causes eye irritation |

| Skin Corrosion/Irritation: | |
|---|---|
| Highly refined mineral oil (C15 - C50) | Based on available data, the classification criteria are not met |
| Zinc naphthenate | Based on available data, the classification criteria are not met |

| Skin Sensitization: | |
|---|---|
| Highly refined mineral oil (C15 - C50) | Based on available data, the classification criteria are not met |
| Zinc naphthenate | Test Result: May cause allergic skin reaction |

| Acute Dermal Toxicity: | |
|---|---|
| Highly refined mineral oil (C15 - C50) | Based on available data, the classification criteria are not met |
| Zinc naphthenate | Based on available data, the classification criteria are not met |

| Acute Oral Toxicity: | |
|---|---|
| Highly refined mineral oil (C15 - C50) | Based on available data, the classification criteria are not met |
| Zinc naphthenate | Based on available data, the classification criteria are not met |

| Acute Inhalation Toxicity: | |
|---|---|
| Highly refined mineral oil (C15 - C50) | Based on available data, the classification criteria are not met |
| Zinc naphthenate | Based on available data, the classification criteria are not met |

| Germ Cell Mutagenicity: | |
|---|---|
| Highly refined mineral oil (C15 - C50) | Based on available data, the classification criteria are not met |
| Zinc naphthenate | Based on available data, the classification criteria are not met |

| Carcinogenicity: | |
|---|---|
| Highly refined mineral oil (C15 - C50) | Based on available data, the classification criteria are not met |
| Zinc naphthenate | Based on available data, the classification criteria are not met |

| Reproductive Toxicity: | |
|---|---|
| Highly refined mineral oil (C15 - C50) | Based on available data, the classification criteria are not met |
| Zinc naphthenate | Based on available data, the classification criteria are not met |

| Specific Target Organ Toxicity - Single Exposure: | |
|---|---|
| Highly refined mineral oil (C15 - C50) | Based on available data, the classification criteria are not met |
| Zinc naphthenate | Based on available data, the classification criteria are not met |

| Specific Target Organ Toxicity - Repeated Exposure: | |
|---|---|
| Highly refined mineral oil (C15 - C50) | Based on available data, the classification criteria are not met |
| Zinc naphthenate | Based on available data, the classification criteria are not met |

### 11.2 Information on other hazards

This material does not contain a substance considered to have endocrine disrupting properties at levels of 0.1% weight or higher.

## SECTION 12 ECOLOGICAL INFORMATION

**Product Information:**

**12.1 Toxicity**

This material is not expected to be harmful to aquatic organisms. The product has not been tested. The statement has been derived from the properties of the individual components.

**12.2 Persistence and degradability**
This material is not expected to be readily biodegradable. The product has not been tested. The statement has been derived from the properties of the individual components.

**12.3 Bioaccumulative potential**
Bioconcentration Factor: No Data Available
Partition coefficient n-octanol/water (logarithmic value): No data available

**12.4 Mobility in soil**
No data available.

**12.5 Results of PBT and vPvB assessment**
This material does not meet the criteria for PBT or vPvB.

**12.6 Endocrine Disrupting Properties**
This mixture does not contain any substances that are assessed as having endocrine disrupting properties.

**12.7 Other adverse effects**
No other adverse effects identified.

**Component Information:**

| **Acute Toxicity:** | |
|---|---|
| Highly refined mineral oil (C15 - C50) | Based on available data, the classification criteria are not met |
| Zinc naphthenate | Confidential test data |

| **Long-term Toxicity:** | |
|---|---|
| Highly refined mineral oil (C15 - C50) | Based on available data, the classification criteria are not met |
| Zinc naphthenate | No test data available |

| **Biodegradation:** | |
|---|---|
| Highly refined mineral oil (C15 - C50) | Based on available data, the classification criteria are not met |
| Zinc naphthenate | Not applicable |

| **Bioaccumulative Potential:** | |
|---|---|
| Highly refined mineral oil (C15 - C50) | Based on available data, the classification criteria are not met |
| Zinc naphthenate | No test data available |

## SECTION 13 DISPOSAL CONSIDERATIONS

**13.1 Waste treatment methods**
Use material for its intended purpose or recycle if possible. 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. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.
In accordance with European Waste Catalogue (E.W.C.) the codification is the following:13 08 99

## SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult appropriate Dangerous Goods Regulations for additional description requirements (e.g., technical name) and mode-specific or quantity-

specific shipping requirements.

**ADR/RID**

NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT
**14.1 UN Number or ID Number:** Not applicable
**14.2 UN proper shipping name:** Not applicable
**14.3 Transport hazard class(es):** Not applicable
**14.4 Packing group:** Not applicable
**14.5 Environmental hazards:** Not applicable
**14.6 Special precautions for user:** Not applicable

**ICAO / IATA**

NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT
**14.1 UN Number or ID Number:** Not applicable
**14.2 UN proper shipping name:** Not applicable
**14.3 Transport hazard class(es):** Not applicable
**14.4 Packing group:** Not applicable
**14.5 Environmental hazards:** Not applicable
**14.6 Special precautions for user:** Not applicable

**IMO / IMDG**

NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT
**14.1 UN Number or ID Number:** Not applicable
**14.2 UN proper shipping name:** Not applicable
**14.3 Transport hazard class(es):** Not applicable
**14.4 Packing group:** Not applicable
**14.5 Environmental hazards:** Not applicable
**14.6 Special precautions for user:** Not applicable
**14.7 Maritime Transport in Bulk according to IMO Instruments:** Not applicable

## SECTION 15 REGULATORY INFORMATION

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
**REGULATORY LISTS SEARCHED:**
01=EU Directive 92/85/EEC: Pregnant or breastfeeding workers.
02=EU Directive 2012/18/EU: Seveso III.
03=EU Directive 98/24/EC: Chemical agents at work.
04=EU Directive 2004/37/EC: On the protection of workers.
05=EU Regulation EC No. 689/2008: Annex 1, Part 1.
06=EU Regulation EC No. 850/2004: Prohibiting and restricting persistent organic pollutants (POPs).
07=EU REACH, Annex XVII: Restrictions on manufacture, placing on the market and use of certain dangerous substances, mixture & article.
08=EU REACH, Annex XIV: Authorization List or Candidate List of Substances of Very High Concern for Authorization (SVHC).

No components of this material were found on the regulatory lists above.

**CHEMICAL INVENTORIES:**
All components comply with the following chemical inventory requirements: DSL (Canada), ENCS (Japan), IECSC (China), KECI (Korea), TCSI (Taiwan), TSCA (United States).

One or more components does not comply with the following chemical inventory requirements: AIIC (Australia), PICCS (Philippines).

**15.2 Chemical safety assessment**
No chemical safety assessment.

## SECTION 16 OTHER INFORMATION

**REVISION STATEMENT:** SECTION 04 - First Aid - Skin information was modified.
SECTION 09 - Physical/Chemical Properties information was modified.
SECTION 11.2 - Other Hazards information was modified.

**Revision Date:** August 12, 2026

**Full text of CLP H-statements:**
Aquatic Chronic 2/H411; Toxic to aquatic life with long lasting effects
Eye Irrit. 2/H319; Causes serious eye irritation
Skin Sens. 1/H317; May cause an allergic skin reaction

**ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:**

| | |
|---|---|
| TLV - Threshold Limit Value | TWA - Time Weighted Average |
| STEL - Short-term Exposure Limit | PEL - Permissible Exposure Limit |
| CVX - Chevron | CAS - Chemical Abstract Service Number |
| NQ - Not Quantifiable | |

Prepared according to the UK REACH by Chevron.

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## No Annex