# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Hazardous Substances (Safety Data Sheets) Notice 2017 EPA Consolidation 30
September 2022

**Issuing Date** 10-Feb-2021 **Revision date** 28-Jan-2026 **Revision Number** 6

## Section 1: Identification

**Product identifier**

**Product Name** POWER KLEEN; FILTER CLEANER; 12 OZ PUMP SPRAY (individual) / RECHARGER KIT; SQUEEZE OIL-BLUE, 8 OZ (kit)

**Product Code(s)** 99-0606 (individual) / 99-5050BL (kit)

**Other means of identification**

**Recommended use of the chemical and restrictions on use**

**Recommended use** Cleaning agent for car air filter

**Uses advised against** No information available

**Details of the supplier of the safety data sheet**

**Supplier**
K&N Engineering, Inc.
14 Longitude Way
Corona, CA 92881
+1 951-826-4000 / 800-858-3333

**Emergency telephone number**

**Emergency Telephone** CHEMTREC (New Zealand): 64-98010034

## Section 2: Hazard identification

**Classification of the substance or mixture**

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

**Label elements**

**Signal word**
Warning

**Hazard statements**
Causes serious eye irritation

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling
Wear eye and face protection
**Precautionary Statements - Response**

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 receptacle

**Other hazards which do not result in classification**
Causes mild skin irritation.

## Section 3: Composition/information on ingredients

| Chemical name | CAS No. | Weight-% |
|---|---|---|
| Poly(oxy-1,2-ethanediyl), .alpha.-undecyl-.omega.-hydroxy- | 34398-01-1 | 1 - 3 |
| 1-Dodecanamine, N,N-dimethyl-, N-oxide | 1643-20-5 | 0.5 - 1.5 |
| Tetrasodium EDTA tetrahydrate | 13235-36-4 | 0.1 - 1 |
| Sodium carbonate | 497-19-8 | 0.1 - 1 |
| Propylene glycol | 57-55-6 | 0.1 - 1 |
| 1-Tetradecanamine, N,N-dimethyl-, N-oxide | 3332-27-2 | 0.1 - 1 |
| Non-hazardous ingredients | Proprietary | Balance |

## Section 4: First-aid measures

**Description of first aid measures**

**General advice** 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 off immediately with plenty of water. Get medical attention if symptoms occur.

**Ingestion** Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a doctor.

**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** May cause redness and tearing of the eyes. Burning sensation. Prolonged contact may cause redness and irritation.

**Effects of Exposure** None known.

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

**Note to doctors** Treat symptomatically.

## Section 5: Fire-fighting measures

**Suitable Extinguishing Media**

| | |
|---|---|
| **Suitable Extinguishing Media** | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| **Unsuitable extinguishing media** | None known based on information supplied. |

**Specific hazards arising from the chemical**

| | |
|---|---|
| **Specific hazards arising from the chemical** | Thermal decomposition can lead to release of irritating gases and vapours. |
| **Hazardous combustion products** | Carbon oxides, Sodium oxides, Phosphorus oxides. |

**Special protective actions for firefighters**

| | |
|---|---|
| **Special protective equipment and precautions for fire-fighters** | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protective equipment. |

## Section 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. |
| **For emergency responders** | Use personal protection recommended in Section 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 labelled containers. Clean contaminated surface thoroughly. |

**Precautions to prevent secondary hazards**

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

## Section 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. Use personal protective equipment. Do not eat, drink or smoke when using this product. |
| **General hygiene considerations** | Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. 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. |
| **Incompatible materials** | Strong oxidising agents. |

## Section 8: Exposure controls/personal protection

**Control Parameters**

**Exposure Limits**

| Chemical name | New Zealand | Australia | ACGIH TLV | United Kingdom |
|---|---|---|---|---|
| Propylene glycol<br>57-55-6 | TWA: 150 ppm; particulates and vapour<br>TWA: 474 mg/m³; particulates and vapour<br>TWA: 10 mg/m³; particulates only | TWA: 150 ppm; total vapour and particulates<br>TWA: 474 mg/m³; total vapour and particulates<br>TWA: 10 mg/m³; particulates only | - | TWA: 150 ppm; total vapour and particulate<br>TWA: 474 mg/m³; total vapour and particulate<br>TWA: 10 mg/m³; particulate<br>STEL: 450 ppm; total vapour and particulate<br>STEL: 1422 mg/m³; total vapour and particulate<br>STEL: 30 mg/m³; particulate |

**Note** See section 16 for terms and abbreviations.

**Biological occupational exposure limits** This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

**Appropriate engineering controls**

**Engineering controls** Showers
Eyewash stations
Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Hand protection** Wear suitable gloves.

**Skin and body protection** Wear suitable protective clothing.

**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.

**Environmental exposure controls** No information available.

## Section 9: Physical and chemical properties

**Information on basic physical and chemical properties**

**Appearance** Pink, Clear liquid
**Physical state** Liquid
**Colour** Pink
**Odour** Faint
**Odour threshold** No information available

| Property | Values | Remarks • Method |
|---|---|---|
| **pH** | 10 | |
| **pH (as aqueous solution)** | | No data available |
| **Melting point / freezing point** | | No data available |

| | | |
|---|---|---|
| **Initial boiling point and boiling range** | | No data available |
| **Flash point** | | No data available |
| **Flammability** | | No data available |
| **Flammability Limit in Air** | | |
| **Upper flammability or explosive limits** | | No data available |
| **Lower flammability or explosive limits** | | No data available |
| **Vapour pressure** | | No data available |
| **Relative vapour density** | | No data available |
| **Relative density** | 1.03 | |
| **Bulk density** | | No data available |
| **Liquid Density** | | No data available |
| **Solubility(ies)** | | No data available |
| **Water solubility** | Soluble in water | |
| **Partition Coefficient (n-octanol/water)** | | No data available |
| **Auto-ignition temperature** | | No data available |
| **Decomposition temperature** | | No data available |
| **SADT (°C)** | | No data available |
| **Kinematic viscosity** | | No data available |
| **Dynamic viscosity** | | No data available |
| **Particle characteristics** | | |
| **Particle Size** | | No data available |
| **Particle Size Distribution** | | No data available |

**Other information**

| | |
|---|---|
| **Molecular weight** | No information available |
| **VOC content** | No information available |
| **Softening point** | No information available |

**Information with regard to physical hazard classes**

| | |
|---|---|
| **Explosives** | |
| Explosive properties | No information available. |
| **Oxidising properties** | No information available. |

## Section 10: Stability and reactivity

**Reactivity**

**Reactivity** None under normal use conditions.

**Chemical stability**

**Stability** Stable under normal conditions.

**Explosion data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

**Possibility of hazardous reactions**

**Possibility of hazardous reactions** None under normal processing.

**Conditions to avoid**

**Conditions to avoid** Incompatible materials.

**Incompatible materials**

**Incompatible materials** Strong oxidising agents.

**Hazardous decomposition products**

**Hazardous decomposition products** Thermal decomposition can lead to release of irritating gases and vapours, Carbon oxides, Sodium oxides, Phosphorus oxides.

## Section 11: Toxicological information

**Acute toxicity**

**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. Causes mild skin 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 diarrhoea.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** May cause redness and tearing of the eyes. Burning sensation. Prolonged contact may cause redness and irritation.

**Acute toxicity**

**Numerical measures of toxicity**

The following ATE values have been calculated for the mixture:

| | |
|---|---|
| ATEmix (oral) | > 5,000 mg/kg |
| ATEmix (dermal) | > 5,000 mg/kg |
| ATEmix (inhalation-dust/mist) | > 10 mg/l |

**Component Information**

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|
| Sodium carbonate | = 4090 mg/kg ( Rat ) | >2000 mg/kg (Rabbit ) | = 2300 mg/m³ ( Rat ) 2 h |
| Propylene glycol | = 20 g/kg ( Rat ) | = 20800 mg/kg ( Rabbit ) | - |

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

**Skin corrosion/irritation** Classification based on data available for ingredients. Causes mild skin irritation.

**Serious eye damage/eye irritation** Classification based on data available for ingredients. Causes serious eye irritation.

**Respiratory or skin sensitisation** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** 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.

**Data used to identify the health effects** Refer to Section 16 for Key literature references and sources for data used to compile the SDS.

## Section 12: Ecological information

**Ecotoxicity** Based on available data, the classification criteria are not met.

**Aquatic ecotoxicity**

**Component Information**

| Chemical name | Fish | Crustacea | Algae/aquatic plants | Toxicity to microorganisms |
|---|---|---|---|---|
| 1-Dodecanamine, N,N-dimethyl-, N-oxide | LC50: =134mg/L (96h, Danio rerio) | - | - | - |
| Sodium carbonate | LC50: =300mg/L (96h, Lepomis macrochirus)<br>LC50: 310 - 1220mg/L (96h, Pimephales promelas) | EC50: =265mg/L (48h, Daphnia magna) | - | - |
| Propylene glycol | LC50: =51600mg/L (96h, Oncorhynchus mykiss)<br>LC50: 41 - 47mL/L (96h, Oncorhynchus mykiss)<br>LC50: =51400mg/L (96h, Pimephales promelas)<br>LC50: =710mg/L (96h, Pimephales promelas) | EC50: >1000mg/L (48h, Daphnia magna) | EC50: =19000mg/L (96h, Pseudokirchneriella subcapitata) | - |
| 1-Tetradecanamine, N,N-dimethyl-, N-oxide | LC50: =10.3mg/L (96h, Danio rerio) | - | - | - |

**Terrestrial ecotoxicity** No information available.

**Persistence and degradability** No information available.

**Bioaccumulative potential**

| Chemical name | Partition coefficient | Bioconcentration factor (BCF) | Trophic magnification factor (TMF) |
|---|---|---|---|
| Propylene glycol | -1.07 | 1 | - |

**Mobility in soil** No information available.

**Other adverse effects** No information available.

## Section 13: Disposal considerations

**Disposal methods**

**Waste from residues/unused products** Dispose of product in packaging in a way that is consistent with the EPA Consolidation 30 April 2021 of the Hazardous Substances (Disposal) Notice 2017 and the Act. Treat the substance using a method that changes the characteristics or composition of the substance so that the substance is no longer a hazardous substance; or export the substance from New Zealand as waste. Substances which are hazardous to human health or corrosive to metals – may be discharged into the environment if a tolerable exposure limit has been set for the substance (or a component of that substance); and the discharge does not, after reasonable mixing, result in the concentration of the substance in an environmental medium exceeding the tolerable exposure limit. If there is no tolerable exposure limit for the substance, then it may only be discharged into the environment if the substance is very rapidly converted to substances that are not hazardous substances.

**Contaminated packaging** For packages that have been in direct contact with hazardous substances, the person must ensure that the package is rendered incapable of containing any substance. It must be disposed of in a manner that is consistent with the requirements for disposal of the substance that it contained, taking into account the material the package is manufactured from. Packages may only be reused or recycled if:
- the substance has a physical hazard other than corrosive to metal, and has been treated to remove any residual contents of the hazardous substance;
- or for substances that have a health or environmental hazard, or corrosive to metal, the contents of the residue in the package are below the threshold for the substance to be classified as hazardous in the Hazardous Substances (Hazard Classification) Notice 2020.

## Section 14: Transport information

**IATA** Not regulated
**Special precautions for user** Please refer to the applicable dangerous goods regulations for additional information

**IMDG** Not regulated
**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
No information available

## Section 15: Regulatory information

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

**National regulations**
**EPA New Zealand HSNO approval code or group standard** To be determined

**National regulations** There are no applicable tolerable exposure limits or environmental exposure limits according to the EPA Controls for Hazardous Substances

**Certified handlers, tracking and controlled substance license requirements** Certified handlers are required for some substances. This includes substances requiring a controlled substance license, and most explosives, vertebrates toxic agents, and certain fumigants. Acutely toxic substances which are a Category 1 or 2, such as pesticides also require Certified handlers. Please check the Health and Safety at Work Act 2015 for further information

Tracking is required for some highly hazardous substances. These substances need to be under the control of an appropriately trained person or appropriately secured. Please check the Health and Safety at Work Act 2015 for further information
Controlled substance licenses are required to possess certain explosives, vertebrate toxic agents and fumigants. See Part 7 of the Health and Safety at Work Regulation 2017 for more information

**International Regulations**

**The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable

**The Stockholm Convention on Persistent Organic Pollutants** Not applicable

**The Rotterdam Convention** Not applicable

**International Inventories**
Contact supplier for inventory compliance status

## Section 16: Other information

**Issuing Date** 10-Feb-2021

**Revision date** 28-Jan-2026

**Revision Note** Updated format. SDS sections updated: 3, 4, 7, 8, 9, 11, 12, 14, 16.

**Key or legend to abbreviations and acronyms used in the safety data sheet**
*List may include phrases which are not applicable to this product*

| | |
|---|---|
| ACGIH | American Conference of Governmental Industrial Hygienists |
| ADN | Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Europe) |
| ADR | Agreement concerning the International Carriage of Dangerous Goods by Road (Europe) |
| AIIC | Australian Inventory of Industrial Chemicals |
| ATE | Acute Toxicity Estimate |
| ASTM | American Society for the Testing of Materials |
| bar | Biological Reference Values for Chemical Compounds in the Work Area |
| BAT | Biological tolerance values for occupational exposure |
| BEL | Biological exposure limits |
| bw | Body weight |
| Ceiling | Maximum limit value |
| CMR | Carcinogen, Mutagen or Reproductive Toxicant |
| DOT | Department of Transportation (United States) |
| DSL | Domestic Substances List (Canada) |
| EmS | Emergency Schedule |
| ENCS | Existing and New Chemical Substances (Japan) |
| EPA | U.S. Environmental Protection Agency |
| GHS | Globally Harmonized System |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IBC | International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk |
| ICAO | International Civil Aviation Organisation |
| IECSC | Inventory of Existing Chemical Substances in China |
| IMDG | International Maritime Dangerous Goods |
| IMO | International Maritime Organization |
| ISO | International Organisation for Standardisation |

| | |
|---|---|
| KECI | Korean Existing Chemicals Inventory |
| LC50 | Lethal Concentration to 50% of a test population |
| LD50 | Lethal Dose to 50% of a test population (Median Lethal Dose) |
| MARPOL | International Convention for the Prevention of Pollution from Ships |
| n.o.s. | Not Otherwise Specified |
| NOAEC | No Observed Adverse Effect Concentration |
| NOAEL | No Observed Adverse Effect Level |
| NOELR | No Observable Effect Loading Rate |
| NZIoC | New Zealand Inventory of Chemicals |
| OECD | Organisation for Economic Cooperation and Development |
| OEL | Occupational exposure limits |
| PBT | Persistent, Bioaccumulative and Toxic substance |
| PICCS | Philippines Inventory of Chemicals and Chemical Substances |
| PMT | Persistent, Mobile and Toxic |
| PPE | Personal protective equipment |
| QSAR | Quantitative Structure Activity Relationship |
| RID | Agreement concerning the International Carriage of Dangerous Goods by Rail (Europe) |
| SADT | Self-Accelerating Decomposition Temperature |
| SAR | Structure-activity relationship |
| SDS | Safety Data Sheet |
| SL | Surface Limit |
| STEL | Short Term Exposure Limit |
| STOT RE | Specific target organ toxicity - Repeated exposure |
| STOT SE | Specific target organ toxicity - Single exposure |
| TCSI | Taiwan Chemical Substance Inventory |
| TDG | Transport of Dangerous Goods (Canada) |
| TSCA | Toxic Substances Control Act (United States) |
| TWA | Time-Weighted Average |
| UN | United Nations |
| VOC | Volatile organic compounds |
| vPvB | Very Persistent and Very Bioaccumulative |
| vPvM | Very Persistent and Very Mobile |
| As | Allergenic substance |
| DS | Dermal Sensitiser |
| Ot | Ototoxicant |
| pOt | Ototoxicant - potential to cause hearing disorders |
| PS | Photosensitiser |
| RS | Respiratory Sensitiser |
| S | Sensitiser |
| poS | Sensitiser - capable of causing occupational asthma |
| Sa | Simple asphyxiant |
| Sd | Skin designation |
| pSd | Skin designation - potential for cutaneous absorption |
| Sdv | Skin designation - vacated |
| Sk | Skin notation |
| dSk | Skin notation - danger of cutaneous absorption |
| pSk | Skin notation - potential for cutaneous absorption |

**Key literature references and sources for data used to compile the SDS**

U.S. Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
U.S. Environmental Protection Agency
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal

Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine’s PubMed database (NLM PUBMED)
U.S. National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
International Organization for Economic Co-operation and Development (OECD) Environment, Health, and Safety Publications
International Organization for Economic Co-operation and Development (OECD) High Production Volume Chemicals Program
International Organization for Economic Co-operation and Development (OECD) Screening Information Data Set
United Nations World Health Organization (WHO)

**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**

**End of Safety Data Sheet**

# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Hazardous Substances (Safety Data Sheets) Notice 2017 EPA Consolidation 30
September 2022

**Issuing Date** 15-Apr-2021 **Revision date** 30-Jan-2026 **Revision Number** 2

## Section 1: Identification

**Product identifier**

**Product Name** FILTER OIL; BLUE, 8 OZ SQUEEZE BOTTLE (individual) / RECHARGER KIT; SQUEEZE OIL-BLUE, 8 OZ (kit)

**Product Code(s)** 99-0533BL (individual) / 99-5050BL (kit)

**Other means of identification**

**Recommended use of the chemical and restrictions on use**

**Recommended use** Air filter moisturization

**Uses advised against** No information available

**Details of the supplier of the safety data sheet**

**Supplier**
K&N Engineering, Inc.
14 Longitude Way
Corona, CA 92881
+1 951-826-4000 / 800-858-3333

**Emergency telephone number**

**Emergency Telephone** CHEMTREC (New Zealand): 64-98010034

## Section 2: Hazard identification

**Classification of the substance or mixture**

Not a hazardous substance or mixture according to the Globally Harmonised System (GHS). Not classified.

**Label elements**

No label elements required.

**Other hazards which do not result in classification**
May be harmful if swallowed. May be harmful in contact with skin.

## Section 3: Composition/information on ingredients

| Chemical name | CAS No. | Weight-% |
|---|---|---|
| Lubricating oils, petroleum, hydrotreated spent | 64742-58-1 | > 99 |
| Chemical name | CAS No. | Weight-% |
| Non-hazardous ingredients | Proprietary | Balance |

## Section 4: First-aid measures

**Description of first aid measures**

**Inhalation** Remove to fresh air.

**Eye contact** Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if symptoms occur.

**Skin contact** Wash with plenty of water. Get medical attention if symptoms occur.

**Ingestion** If large quantities of this material are swallowed, call a doctor immediately.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** None known.

**Effects of Exposure** None known.

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

**Note to doctors** Treat symptomatically.

## Section 5: Fire-fighting measures

**Suitable Extinguishing Media**

**Suitable Extinguishing Media** Dry chemical, CO2, water spray or regular foam.

**Unsuitable extinguishing media** Water spray jet.

**Specific hazards arising from the chemical**

**Specific hazards arising from the chemical** Thermal decomposition can lead to release of irritating gases and vapours.

**Hazardous combustion products** Oxides of sulphur, Aldehydes, Ketones and their derivatives, Carbon monoxide, Organic compounds.

**Special protective actions for firefighters**

**Special protective equipment and precautions for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protective equipment.

## Section 6: Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak. Extremely slippery when spilled. Use personal protective equipment as required. See section 8 for more information. Avoid contact with skin, eyes or clothing. Deny entry to unauthorized and unprotected personnel.

**For emergency responders** Use personal protection recommended in Section 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. Take up with sand or other non-combustible absorbent material and place into containers for later disposal. Clean contaminated surface thoroughly.

**Precautions to prevent secondary hazards**

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

## Section 7: Handling and storage

**Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes or clothing. Avoid breathing vapours or mists.

**General hygiene considerations** Do not eat, drink or smoke when using this product. Wash hands before breaks and after work.

**Conditions for safe storage, including any incompatibilities**

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

**Incompatible materials** Strong oxidising agents.

## Section 8: Exposure controls/personal protection

**Control Parameters**

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Biological occupational exposure limits** This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

**Appropriate engineering controls**

**Engineering controls** Showers
Eyewash stations
Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Hand protection** Wear suitable gloves.

**Skin and body protection** Wear suitable protective clothing.

**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.

**Environmental exposure controls** No information available.

## Section 9: Physical and chemical properties

**Information on basic physical and chemical properties**

| | |
|---|---|
| **Appearance** | Oily liquid |
| **Physical state** | Liquid |
| **Colour** | Blue |
| **Odour** | Petroleum |
| **Odour threshold** | No information available |

| **Property** | **Values** | **Remarks • Method** |
|---|---|---|
| **pH** | | No data available |
| **pH (as aqueous solution)** | | No data available |
| **Melting point / freezing point** | | No data available |
| **Initial boiling point and boiling range** | > 260 °C | |
| **Flash point** | > 232 °C | |
| **Flammability** | | No data available |
| **Flammability Limit in Air** | | |
| **Upper flammability or explosive limits** | | No data available |
| **Lower flammability or explosive limits** | | No data available |
| **Vapour pressure** | | No data available |
| **Relative vapour density** | | No data available |
| **Relative density** | 0.86 | |
| **Bulk density** | | No data available |
| **Liquid Density** | | No data available |
| **Solubility(ies)** | | No data available |
| **Water solubility** | Insoluble | |
| **Partition Coefficient (n-octanol/water)** | | No data available |
| **Auto-ignition temperature** | | No data available |
| **Decomposition temperature** | | No data available |
| **SADT (°C)** | | No data available |
| **Kinematic viscosity** | | No data available |
| **Dynamic viscosity** | | No data available |
| **Particle characteristics** | | |
| **Particle Size** | | No data available |
| **Particle Size Distribution** | | No data available |

**Other information**

| | |
|---|---|
| **Molecular weight** | No information available |
| **VOC content** | No information available |
| **Softening point** | No information available |

**Information with regard to physical hazard classes**

| | |
|---|---|
| **Explosives** | |
| Explosive properties | No information available. |
| **Oxidising properties** | No information available. |

## Section 10: Stability and reactivity

**Reactivity**

**Reactivity** None under normal use conditions.

**Chemical stability**

**Stability** Stable under normal conditions.

**Explosion data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

**Possibility of hazardous reactions**

**Possibility of hazardous reactions** None under normal processing.

**Conditions to avoid**

**Conditions to avoid** Extremes of temperature and direct sunlight. Incompatible materials.

**Incompatible materials**

**Incompatible materials** Strong oxidising agents.

**Hazardous decomposition products**

**Hazardous decomposition products** None known based on information supplied.

## Section 11: Toxicological information

**Acute toxicity**

**Information on likely routes of exposure**

**Product Information** .

**Inhalation** Specific test data for the substance or mixture is not available.

**Eye contact** Specific test data for the substance or mixture is not available. Contact with eyes may cause irritation.

**Skin contact** Specific test data for the substance or mixture is not available. May be harmful in contact with skin.

**Ingestion** Specific test data for the substance or mixture is not available. May be harmful if swallowed.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** None known.

**Acute toxicity**

**Numerical measures of toxicity**

The following ATE values have been calculated for the mixture:

| | |
|---|---|
| ATEmix (oral) | > 2,000 mg/kg |
| ATEmix (dermal) | > 2,000 mg/kg |

**Component Information**

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|
| Lubricating oils, petroleum, hydrotreated spent | > 2000 mg/kg ( Rat ) | > 4480 mg/kg ( Rabbit ) | - |

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

| | |
|---|---|
| **Skin corrosion/irritation** | No information available. |
| **Serious eye damage/eye irritation** | No information available. |
| **Respiratory or skin sensitisation** | No information available. |
| **Germ cell mutagenicity** | No information available. |
| **Carcinogenicity** | 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. |
| **Data used to identify the health effects** | Refer to Section 16 for Key literature references and sources for data used to compile the SDS. |

## Section 12: Ecological information

| | |
|---|---|
| **Ecotoxicity** | Based on available data, the classification criteria are not met. |
| **Aquatic ecotoxicity** | No information available. |
| **Terrestrial ecotoxicity** | No information available. |
| **Persistence and degradability** | No information available. |
| **Bioaccumulative potential** | No information available. |
| **Mobility in soil** | No information available. |
| **Other adverse effects** | No information available. |

## Section 13: Disposal considerations

**Disposal methods**

| | |
|---|---|
| **Waste from residues/unused products** | Not applicable. Not Hazardous. |
| **Contaminated packaging** | Not applicable. Not Hazardous. |

## Section 14: Transport information

| | |
|---|---|
| **IATA** | Not regulated |
| **Special precautions for user** | Please refer to the applicable dangerous goods regulations for additional information |

**IMDG** Not regulated

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
No information available

## Section 15: Regulatory information

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

**National regulations**

**EPA New Zealand HSNO approval code or group standard** To be determined

**National regulations** There are no applicable tolerable exposure limits or environmental exposure limits according to the EPA Controls for Hazardous Substances

**Certified handlers, tracking and controlled substance license requirements** Certified handlers are required for some substances. This includes substances requiring a controlled substance license, and most explosives, vertebrates toxic agents, and certain fumigants. Acutely toxic substances which are a Category 1 or 2, such as pesticides also require Certified handlers. Please check the Health and Safety at Work Act 2015 for further information
Tracking is required for some highly hazardous substances. These substances need to be under the control of an appropriately trained person or appropriately secured. Please check the Health and Safety at Work Act 2015 for further information
Controlled substance licenses are required to possess certain explosives, vertebrate toxic agents and fumigants. See Part 7 of the Health and Safety at Work Regulation 2017 for more information

**International Regulations**

**The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable

**The Stockholm Convention on Persistent Organic Pollutants** Not applicable

**The Rotterdam Convention** Not applicable

**International Inventories**
Contact supplier for inventory compliance status

## Section 16: Other information

**Issuing Date** 15-Apr-2021

**Revision date** 30-Jan-2026

**Revision Note** Updated format. SDS sections updated: 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16.

**Key or legend to abbreviations and acronyms used in the safety data sheet**
*List may include phrases which are not applicable to this product*

| | |
|---|---|
| ACGIH | American Conference of Governmental Industrial Hygienists |
| ADN | Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Europe) |
| ADR | Agreement concerning the International Carriage of Dangerous Goods by Road (Europe) |
| AIIC | Australian Inventory of Industrial Chemicals |
| ATE | Acute Toxicity Estimate |
| ASTM | American Society for the Testing of Materials |

| | |
|---|---|
| bar | Biological Reference Values for Chemical Compounds in the Work Area |
| BAT | Biological tolerance values for occupational exposure |
| BEL | Biological exposure limits |
| bw | Body weight |
| Ceiling | Maximum limit value |
| CMR | Carcinogen, Mutagen or Reproductive Toxicant |
| DOT | Department of Transportation (United States) |
| DSL | Domestic Substances List (Canada) |
| EmS | Emergency Schedule |
| ENCS | Existing and New Chemical Substances (Japan) |
| EPA | U.S. Environmental Protection Agency |
| GHS | Globally Harmonized System |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IBC | International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk |
| ICAO | International Civil Aviation Organisation |
| IECSC | Inventory of Existing Chemical Substances in China |
| IMDG | International Maritime Dangerous Goods |
| IMO | International Maritime Organization |
| ISO | International Organisation for Standardisation |
| KECI | Korean Existing Chemicals Inventory |
| LC50 | Lethal Concentration to 50% of a test population |
| LD50 | Lethal Dose to 50% of a test population (Median Lethal Dose) |
| MARPOL | International Convention for the Prevention of Pollution from Ships |
| n.o.s. | Not Otherwise Specified |
| NOAEC | No Observed Adverse Effect Concentration |
| NOAEL | No Observed Adverse Effect Level |
| NOELR | No Observable Effect Loading Rate |
| NZIoC | New Zealand Inventory of Chemicals |
| OECD | Organisation for Economic Cooperation and Development |
| OEL | Occupational exposure limits |
| PBT | Persistent, Bioaccumulative and Toxic substance |
| PICCS | Philippines Inventory of Chemicals and Chemical Substances |
| PMT | Persistent, Mobile and Toxic |
| PPE | Personal protective equipment |
| QSAR | Quantitative Structure Activity Relationship |
| RID | Agreement concerning the International Carriage of Dangerous Goods by Rail (Europe) |
| SADT | Self-Accelerating Decomposition Temperature |
| SAR | Structure-activity relationship |
| SDS | Safety Data Sheet |
| SL | Surface Limit |
| STEL | Short Term Exposure Limit |
| STOT RE | Specific target organ toxicity - Repeated exposure |
| STOT SE | Specific target organ toxicity - Single exposure |
| TCSI | Taiwan Chemical Substance Inventory |
| TDG | Transport of Dangerous Goods (Canada) |
| TSCA | Toxic Substances Control Act (United States) |
| TWA | Time-Weighted Average |
| UN | United Nations |
| VOC | Volatile organic compounds |
| vPvB | Very Persistent and Very Bioaccumulative |
| vPvM | Very Persistent and Very Mobile |
| As | Allergenic substance |
| DS | Dermal Sensitiser |
| Ot | Ototoxicant |

| | |
|---|---|
| pOt | Ototoxicant - potential to cause hearing disorders |
| PS | Photosensitiser |
| RS | Respiratory Sensitiser |
| S | Sensitiser |
| poS | Sensitiser - capable of causing occupational asthma |
| Sa | Simple asphyxiant |
| Sd | Skin designation |
| pSd | Skin designation - potential for cutaneous absorption |
| Sdv | Skin designation - vacated |
| Sk | Skin notation |
| dSk | Skin notation - danger of cutaneous absorption |
| pSk | Skin notation - potential for cutaneous absorption |

**Key literature references and sources for data used to compile the SDS**
U.S. Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
U.S. Environmental Protection Agency
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine’s PubMed database (NLM PUBMED)
U.S. National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
International Organization for Economic Co-operation and Development (OECD) Environment, Health, and Safety Publications
International Organization for Economic Co-operation and Development (OECD) High Production Volume Chemicals Program
International Organization for Economic Co-operation and Development (OECD) Screening Information Data Set
United Nations World Health Organization (WHO)

**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**

**End of Safety Data Sheet**