



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Hazardous Substances (Safety Data Sheets) Notice 2017. This notice is issued by the Environmental Protection Authority under sections 75 and 76(1)(b), (f), (g) and (h) of the Hazardous Substances and New Organisms Act 1996

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Revision Number 5

## Section 1: Identification

### Product identifier

**Product Name** POWER KLEEN; FILTER CLEANER; 32 OZ TRIGGER SPRAYER

**Product Code(s)** 99-0621

### 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.  
1455 Citrus Street  
Riverside, CA 92507  
+1 469-805-6936

### Emergency telephone number

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

## Section 2: Hazard identification

### GHS Classification

|  |            |
|--|------------|
| <b>Serious eye damage/eye irritation</b> | 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/face protection

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),<br>.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   |
| 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

|   |   |
|---|---|
| <b>General advice</b>                     | Show this safety data sheet to the doctor in attendance   |
| <b>Inhalation</b>                         | Remove to fresh air.  |
| <b>Eye contact</b>                        | 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. |
| <b>Skin contact</b>                       | Wash skin with soap and water. Get medical attention if symptoms occur.   |
| <b>Ingestion</b>                          | Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a doctor.  |
| <b>Self-protection of the first aider</b> | Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).   |

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

|                            |   |
|----------------------------|---|
| <b>Symptoms</b>            | May cause redness and tearing of the eyes. Burning sensation. Prolonged contact may cause redness and irritation. |
| <b>Effects of Exposure</b> | See Section 11 for additional Toxicological Information.  |

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

|                        |                        |
|------------------------|------------------------|
| <b>Note to doctors</b> | Treat symptomatically. |
|------------------------|------------------------|

### Section 5: Fire-fighting measures

#### Suitable Extinguishing Media

|                                     |   |
|-------------------------------------|---|
| <b>Suitable Extinguishing Media</b> | 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 fire-fighters**

**Special protective equipment and precautions for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection 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. 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** 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** Pink, Clear liquid  
**Physical state** Liquid  
**Colour** Pink  
**Odour** Faint  
**Odour threshold** No information available

#### Values

**pH** 10  
**Melting point / freezing point**  
**Initial boiling point and boiling range**  
**Flash point**  
**Evaporation rate**  
**Flammability**  
**Flammability Limit in Air**  
**Upper flammability or explosive limits**  
**Lower flammability or explosive limits**  
**Vapour pressure**  
**Relative vapour density**  
**Relative density** 1.03  
**Water solubility** Soluble in water  
**Solubility(ies)**  
**Partition coefficient**  
**Autoignition temperature**  
**Decomposition temperature**  
**Kinematic viscosity**  
**Dynamic viscosity**  
**Explosive properties** No information available.

#### Remarks • Method

No data available  
No data available  
No data available  
No data available  
No data available  
No data available  
No data available  
No data available  
No data available  
No data available  
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No data available  
No data available  
No data available

**Oxidising 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

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

**Acute toxicity**

**Numerical measures of toxicity**

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

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/m <sup>3</sup> ( Rat ) 2 h |

**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**

**Ecotoxicity**

**Aquatic ecotoxicity**

| Chemical name                             | Algae/aquatic plants | Fish   | Crustacea                           |
|---|----------------------|--|-------------------------------------|
| 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) |
| 1-Tetradecanamine, N,N-dimethyl-, N-oxide | -                    | LC50: =10.3mg/L (96h, Danio rerio)   | -                                   |

**Terrestrial ecotoxicity** There is no data for this product.

**Persistence and degradability** No information available.

#### Bioaccumulative potential

**Bioaccumulation** No information available.

#### Mobility in soil

**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

**IMDG** Not regulated

### 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** 18-Mar-2024

**Revision Note** Change in classification. SDS sections updated: 2, 3, 4, 7, 8, 11.

**Key or legend to abbreviations and acronyms used in the safety data sheet****Legend Section 8: Exposure controls/personal protection**

|         |                             |      |                                  |
|---------|-----------------------------|------|----------------------------------|
| TWA     | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value         | Sk*  | Skin designation                 |
| C       | Carcinogen                  |      |                                  |

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

Agency for Toxic Substances and Disease Registry (ATSDR)  
 U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 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



Australian 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)  
Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme  
Organisation for Economic Co-operation and Development Screening Information Data Set  
World Health Organization

**Disclaimer**

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**End of Safety Data Sheet**