



# SAFETY DATA SHEET

US OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada WHMIS 2015 which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR)

Issuing Date 10-Feb-2021

Revision Date 20-Dec-2023

Revision Number 4

## 1. Identification

### Product identifier

**Product Name** POWER KLEEN; FILTER CLEANER; 12 OZ PUMP SPRAY

### Other means of identification

**Product Code(s)** 99-0606

**UN/ID no** UN1719

**Synonyms** None

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

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

**Restrictions on use** No information available.

### Details of the supplier of the safety data sheet

#### Supplier Address

K&N Engineering, Inc.  
1455 Citrus Street  
Riverside, CA 92507  
+1 469-805-6936

### Emergency telephone number

**Emergency telephone** CHEMTREC: +1-703-527-3887 (INTERNATIONAL)  
1-800-424-9300 (NORTH AMERICA)

## 2. Hazard(s) identification

### Classification

|                                   |                           |
|-----------------------------------|---------------------------|
| Skin corrosion/irritation         | Category 1 Sub-category B |
| Serious eye damage/eye irritation | Category 1                |

### Label elements

**Danger**

#### **Hazard statements**

Causes severe skin burns and eye damage.

**Precautionary Statements - Prevention**

Do not breathe dusts or mists. Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves, protective clothing, eye protection and face protection.

**Precautionary Statements - Response**

Immediately call a POISON CENTER or doctor.

**Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

**Skin**

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water and then shower. Wash contaminated clothing before reuse.

**Inhalation**

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor.

**Ingestion**

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**Precautionary Statements - Storage**

Store locked up.

**Precautionary Statements - Disposal**

Dispose of contents/ container to an approved waste disposal receptacle.

**Other information**

No information available.

### 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) |
|---------------------|-----------|----------|--|---|
| Sodium metasilicate | 6834-92-0 | 1-6      | -  | -   |
| Tetrasodium EDTA    | 64-02-8   | 0.5-3    | -  | -   |

### 4. First-aid measures

**Description of first aid measures****General advice**

Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

**Inhalation**

If breathing has stopped, give artificial respiration. Get medical attention immediately. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial

respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, (trained personnel should) give oxygen. Delayed pulmonary edema may occur. Get immediate medical advice/attention. Remove to fresh air.

|   |  |
|---|--|
| <b>Eye contact</b>                        | Get immediate medical advice/attention. 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.   |
| <b>Skin contact</b>                       | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get immediate medical advice/attention.  |
| <b>Ingestion</b>                          | Get immediate medical advice/attention. Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting.  |
| <b>Self-protection of the first aider</b> | Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. 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** Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure.

### **5. Fire-fighting measures**

|   |  |
|---|--|
| <b>Suitable Extinguishing Media</b>                                   | Dry chemical, CO2, water spray or regular foam.  |
| <b>Unsuitable extinguishing media</b>                                 | None known based on information supplied.  |
| <b>Specific hazards arising from the chemical</b>                     | The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors. |
| <b>Hazardous combustion products</b>                                  | Carbon oxides.   |
| <b>Explosion data</b>   |  |
| <b>Sensitivity to mechanical impact</b>                               | None.  |
| <b>Sensitivity to static discharge</b>                                | None.  |
| <b>Special protective equipment and precautions for fire-fighters</b> | 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**

|                             |   |
|-----------------------------|---|
| <b>Personal precautions</b> | Attention! Corrosive material. Ensure adequate ventilation. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. |
| <b>Other information</b>    | Refer to protective measures listed in Sections 7 and 8.  |

#### **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. Clean contaminated surface thoroughly.

## 7. Handling and storage

### Precautions for safe handling

**Advice on safe handling** In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation. Take off contaminated clothing and wash before reuse. 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** Protect from moisture. Store away from other materials. Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.

## 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.

### Appropriate engineering controls

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

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

**Eye/face protection** Face protection shield. Tight sealing safety goggles.

**Hand protection** Impervious gloves. Wear suitable gloves.

**Skin and body protection** Long sleeved clothing. Chemical resistant apron. 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.

**General hygiene considerations** Remove and wash contaminated clothing and gloves, including the inside, before re-use. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

|                       |                          |
|-----------------------|--------------------------|
| <b>Appearance</b>     | Pink, Clear liquid       |
| <b>Physical state</b> | Liquid                   |
| <b>Color</b>          | Pink                     |
| <b>Odor</b>           | Characteristic           |
| <b>Odor threshold</b> | No information available |

| <u>Property</u>                         | <u>Values</u>  | <u>Remarks • Method</u> |
|---|--|-------------------------|
| pH                                      | > 12   | No data available       |
| Melting point / freezing point          |  | No data available       |
| Initial boiling point and boiling range | 106 °C   | No data available       |
| Flash point                             | Testing not relevant or not possible due to nature of product. | No data available       |
| Evaporation rate                        |  | 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       |
| Vapor pressure                          |  | No data available       |
| Vapor density                           |  | No data available       |
| Relative density                        | 1.06 g/cm <sup>3</sup>   | No data available       |
| Water solubility                        | Miscible in water  | No data available       |
| Solubility(ies)                         |  | No data available       |
| Partition coefficient                   |  | No data available       |
| Autoignition temperature                |  | No data available       |
| Decomposition temperature               |  | No data available       |
| Kinematic viscosity                     |  | No data available       |
| Dynamic viscosity                       |  | No data available       |
| <u>Other information</u>                |  |                         |
| Explosive properties                    | No information available.                                      |                         |
| Oxidizing properties                    | No information available.                                      |                         |
| 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                                       |                         |

## 10. Stability and reactivity

|                                    |  |
|------------------------------------|--|
| Reactivity                         | None under normal use conditions.  |
| Chemical stability                 | Stable under normal conditions.  |
| Possibility of hazardous reactions | None under normal processing.  |
| Conditions to avoid                | Exposure to air or moisture over prolonged periods. Incompatible materials.              |
| Incompatible materials             | Strong oxidizing agents.   |
| Hazardous decomposition products   | Thermal decomposition can lead to release of irritating gases and vapors. 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. Corrosive by inhalation. (based on components). Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate. Inhaled corrosive substances can lead to a toxic edema of the lungs. Pulmonary edema can be fatal. |
| Eye contact | Specific test data for the substance or mixture is not available. Corrosive to the eyes and   |

may cause severe damage including blindness. Causes serious eye damage. (based on components). May cause irreversible damage to eyes.

**Skin contact**

Specific test data for the substance or mixture is not available. Corrosive. (based on components). Causes burns.

**Ingestion**

Specific test data for the substance or mixture is not available. Causes burns. (based on components). Ingestion causes burns of the upper digestive and respiratory tracts. May cause severe burning pain in the mouth and stomach with vomiting and diarrhea of dark blood. Blood pressure may decrease. Brownish or yellowish stains may be seen around the mouth. Swelling of the throat may cause shortness of breath and choking. May cause lung damage if swallowed. May be fatal if swallowed and enters airways.

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

**Symptoms** Coughing and/ or wheezing. Redness. Burning. May cause blindness.

**Acute toxicity****Numerical measures of toxicity****Component Information**

| Chemical name       | Oral LD50            | Dermal LD50 | Inhalation LC50 |
|---------------------|----------------------|-------------|-----------------|
| Sodium metasilicate | = 1153 mg/kg ( Rat ) | -           | -               |
| Tetrasodium EDTA    | = 1658 mg/kg ( Rat ) | -           | -               |

**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 burns.

**Serious eye damage/eye irritation** Classification based on data available for ingredients. Causes burns. Risk of serious damage to eyes.

**Respiratory or skin sensitization** 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.

**12. Ecological information**

**Ecotoxicity** The environmental impact of this product has not been fully investigated.

| Chemical name                    | Algae/aquatic plants  | Fish                                       | Toxicity to microorganisms | Crustacea |
|----------------------------------|-----------------------|--|----------------------------|-----------|
| Sodium metasilicate<br>6834-92-0 | -                     | LC50: =210mg/L (96h,<br>Brachydanio rerio) | -                          | -         |
| Tetrasodium EDTA                 | EC50: =1.01mg/L (72h, | LC50: =41mg/L (96h,                        | -                          | -         |

|         |                         |   |  |  |
|---------|-------------------------|---|--|--|
| 64-02-8 | Desmodemus subspicatus) | Lepomis macrochirus)<br>LC50: =59.8mg/L (96h,<br>Pimephales promelas) |  |  |
|---------|-------------------------|---|--|--|

**Persistence and degradability** No information available.

**Bioaccumulation** No information available.

**Mobility in soil** No information available.

**Other adverse effects** No information available.

### 13. Disposal considerations

#### Waste treatment methods

**Waste from residues/unused products** Should not be released into the environment, Dispose of in accordance with local regulations, Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Dispose of contents/containers in accordance with local regulations.

### 14. Transport information

#### DOT

**UN/ID no** UN1719  
**Proper shipping name** CAUSTIC ALKALI LIQUIDS, N.O.S.  
**Transport hazard class(es)** 8  
**Packing group** III  
**Special Provisions** IB3, T7, TP1, TP28  
**DOT Marine Pollutant** NP  
**Description** UN1719, CAUSTIC ALKALI LIQUIDS, N.O.S. (Sodium metasilicate), 8, III  
**Emergency Response Guide Number** 154

#### TDG

**UN/ID no** UN1719  
**Proper shipping name** CAUSTIC ALKALI LIQUID, N.O.S.  
**Transport hazard class(es)** 8  
**Packing group** III  
**Special Provisions** 16  
**Description** UN1719, Caustic alkali liquid, n.o.s. (Sodium metasilicate), 8, III

#### IATA

**UN number or ID number** UN1719  
**UN proper shipping name** Caustic alkali liquid, n.o.s.  
**Transport hazard class(es)** 8  
**Packing group** III  
**ERG Code** 8L  
**Special Provisions** A3, A803  
**Description** UN1719, Caustic alkali liquid, n.o.s. (Sodium metasilicate), 8, III

#### IMDG

**UN number or ID number** UN1719  
**UN proper shipping name** CAUSTIC ALKALI LIQUID, N.O.S.  
**Transport hazard class(es)** 8  
**Packing group** III  
**EmS-No** F-A, S-B  
**Special Provisions** 223, 274

Marine pollutant  
Description

NP  
UN1719, CAUSTIC ALKALI LIQUID, N.O.S. (Sodium metasilicate), 8, III

## 15. Regulatory information

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

#### 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

#### 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.

##### **SARA 311/312 Hazard Categories**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

##### **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 does not contain any Proposition 65 chemicals.

#### U.S. State Right-to-Know Regulations

| Chemical name                         | New Jersey | Massachusetts | Pennsylvania |
|---------------------------------------|------------|---------------|--------------|
| Pentasodium triphosphate<br>7758-29-4 | -          | X             | X            |
| Propylene glycol<br>57-55-6           | X          | -             | X            |

#### U.S. EPA Label Information

**EPA Pesticide Registration Number** Not applicable



**16. Other information**

|             |                         |                       |                           |                              |
|-------------|-------------------------|-----------------------|---------------------------|------------------------------|
| <b>NFPA</b> | <b>Health hazards</b> 3 | <b>Flammability</b> 0 | <b>Instability</b> 0      | <b>Special hazards</b> -     |
| <b>HMIS</b> | <b>Health hazards</b> 3 | <b>Flammability</b> 0 | <b>Physical hazards</b> 0 | <b>Personal protection</b> X |

**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         | *    | Skin designation                 |

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

U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 EPA (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 Toxicology Program (NTP)  
 New Zealand's Chemical Classification and Information Database (CCID)  
 Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
 Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
 Organization for Economic Co-operation and Development Screening Information Data Set  
 World Health Organization

|                      |                         |
|----------------------|-------------------------|
| <b>Issuing Date</b>  | 10-Feb-2021             |
| <b>Revision Date</b> | 20-Dec-2023             |
| <b>Revision Note</b> | SDS sections updated: 9 |

**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**