

# SAFETY DATA SHEET

## 1. Identification of the substance/mixture and of the company

### 1.1 Product identifier

**Product Name: FiberKleen  
Type FC™ Fiber Test Cleaner**

**Product ID numbers:** FC-XXX (Where XXX is the package code.)

### 1.2 Relevant identified uses of the mixture and uses advised against

**Identified uses:** Precision cleaning

**List of advices against:** Not applicable.

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

#### Supplier/Manufacturer:

**American Polywater Corporation**  
11222 - 60th Street North  
Stillwater, MN 55082 USA  
Tel: 1-651-430-2270  
Email: sds@polywater.com

**Powerhowse Electric Limited**  
289 Rosebank Road,  
Avondale, Auckland 1026, NZ  
09 373 4487

### 1.4 Emergency telephone numbers

INFOTRAC: 1-800-535-5053 (USA) 1-352-323-3500 (INT'L)  
NPC (National Poison Centre) 0800 764 766 and 0800 Poison

## 2. Hazards Identification

### 2.1 Classification of the substance or mixture

Classification according to USA OSHA 29 CFR 1910.1200 (2012) and Canada HPR (SOR/2015-17; WHMIS 2015).

Asp Tox 1	H304
Skin Irrit 2	H315
Eye Irrit 2B	H319
Acute Tox 4	H332
Flam Liq 4	H227

### 2.2 Label elements

**Contains:** Petroleum distillates, hydrotreated light; 2-Butoxyethanol



#### Pictograms:

GHS08

GHS07

#### Signal word:

Danger

#### Hazard Statements:

H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes eye irritation
H332	Harmful if inhaled
H227	Combustible liquid

#### Precautionary Statements:

- P210 Keep away from flames and hot surfaces. No smoking.
  - P280 Wear protective gloves.
  - P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
  - P331 Do NOT induce vomiting.
  - P302 + P352 If on skin: Wash with plenty of water.
  - P332 + P313 If skin irritation occurs: Get medical attention
  - P305 + P351 + P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - P337 + P313 If eye irritation persists: Get medical attention.
  - P261 Avoid breathing fumes.
  - P304 + P340 If inhaled: remove person to fresh air and keep comfortable for breathing.
  - P403 + P235 Store in a well-ventilated place. Keep cool.
- 2.3 Other hazards:** No information available.

**3. Composition/Information on Ingredients**

<u>Component</u>	<u>CAS #</u>	<u>EC #</u>	<u>Wt. %</u>
Medium Aliphatic Petroleum Solvent	64742-47-8	265-149-8	< 100
2-Butoxyethanol	111-76-2	203-905-0	< 10

**4. First Aid Measures**

**4.1 Description of first aid measures**

- Eye Contact:** If eye irritation from exposure to vapors develops, move to fresh air. Flush eyes with clean water. If irritation persists, seek medical attention. For direct eye contact, flush with large quantity of water for 15 minutes. Seek medical attention.
- Skin Contact:** Remove contaminated clothing; flush skin thoroughly with water. If irritation occurs, seek medical attention.
- Inhalation (Breathing):** If irritation of nose or throat develops, move to fresh air. If irritation persists, seek medical attention. If breathing is difficult, provide oxygen. If not breathing, give artificial respiration. Seek immediate medical attention.
- Ingestion (Swallowing):** Do not induce vomiting or give anything by mouth. If victim is drowsy or unconscious, place on the left side with head down. Do not leave victim unattended. Seek medical attention.

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

Refer to Section 11 for more information.

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

Aspiration hazard. If ingested, material may be aspirated into the lungs and cause chemical pneumonitis.

**5. Firefighting Measures**

**5.1 Extinguishing media:**

Carbon dioxide, water fog, dry chemical or foam.

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

**Hazardous decomposition and by-products:**

Burning generates CO, CO<sub>2</sub> and smoke. Smoke may be acrid and fumes irritating.

**5.3 Advice for firefighters**

Wear full protective clothing, including self-contained, positive pressure or pressure-demand breathing apparatus. Sealed container can build up pressure when exposed to high heat. Use water spray to cool fire exposed containers.

**6. Accidental Release Measures**

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

Keep away from heat/sparks/open flames/hot surfaces. No smoking. Use only non-sparking tools to clean up the spill. For a spill in a confined space, provide mechanical ventilation to disperse or exhaust vapors. For emergency responders: use respiratory protection: half-face or full-face respirator with filter(s) for organic vapor for spills in a confined space. Work gloves that are resistant to aromatic hydrocarbons are recommended. Chemical goggles are recommended if splashes or contact with eyes is possible. For small spills: normal antistatic work clothes are usually adequate.

**6.2 Environmental precautions:**

Avoid release to the environment. Dike the spill to prevent entry into waterways, sewers, basements or confined areas.

**6.3 Methods materials for containment and cleaning up:**

Absorb spill with sand or absorbents. Collect as much of the spilled material as possible using non-sparking tools and transfer to a container. Seal the container. Remember, adding an absorbent material does not change the toxicity or flammability hazard.

**6.4 Reference to other sections:**

Refer to Sections 4, 5, 8, and 13 for more information.

**7. Handling and Storage**

**7.1 Precautions for safe handling**

Keep away from heat/sparks/open flames/hot surfaces. No smoking. Avoid breathing vapors or spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Wash contaminated clothing before reuse. For industrial or professional use only. Avoid contact with oxidizing agents (e.g. chlorine, chromic acid etc.)

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

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store away from acids and oxidizing agents.

**7.3 Specific end uses**

See technical data sheet on this product for further information.

**8. Exposure Controls / Personal Protection**

**8.1 Control parameters**

**Exposure limits and recommendations:**

Component Name	Limit	Standard	Source/Note
Medium Aliphatic Petroleum Solvent	100 ppm	ACGIH TWA	United States
Medium Aliphatic Petroleum Solvent	500 ppm	OSHA TWA	United States
Medium Aliphatic Petroleum Solvent	1200 mg/m3	RCP* TWA	ACGIH, Manufacturer
2-Butoxyethanol	20 ppm	ACGIH TWA	United States
2-Butoxyethanol	50 ppm	OSHA TWA	United States

*\*reciprocal calculation procedure for total hydrocarbons*

**8.2 Exposure controls**

**Respiratory protection:**

Normal ventilation is adequate. If exposure exceeds recommended limits, respirator protection is recommended. Use a respirator or gas mask with cartridges for organic vapors (NIOSH-approved) or use supplied air equipment.

**Protective gloves:**

For repeated or prolonged skin contact, the use of impermeable gloves is recommended to prevent drying and possible irritation.

**Eye protection:**

Safety glasses recommended.

**Other protective equipment:**

It is suggested that a source of clean water be available in work area for flushing eyes and skin. Impervious clothing should be worn as needed.



## 9. Physical and Chemical

### 9.1 Information of basic physical and chemical properties

<b>Appearance:</b>	Clear, colorless liquid.
<b>Odor threshold:</b>	Not available
<b>pH:</b>	Does not apply
<b>Freezing point:</b>	<-58°F (<-50°C)
<b>Boiling point:</b>	365°F (185°C) Initial
<b>Flash point:</b>	>140°F (>60.5°C), Closed Cup (PMCC)
<b>Evaporation rate:</b>	<0.1 (n-butyl acetate = 1)
<b>Flammability (solid, gas):</b>	Not applicable to liquids
<b>Upper/lower flammability or explosive limits:</b>	LEL = 0.7% UEL = 6.1%-7.0%
<b>Vapor pressure:</b>	<1 mm Hg < 134 Pa @ 20°C
<b>Vapor density (Air = 1):</b>	Not available
<b>Specific gravity (H<sub>2</sub>O = 1):</b>	0.80
<b>Solubility in water:</b>	Not available
<b>Partition coefficient: n-octanol/water:</b>	Not available
<b>Auto-ignition temperature:</b>	Not available
<b>Decomposition temperature:</b>	Not available
<b>Viscosity:</b>	Not available

### 9.2 Other Information

<b>Volatiles (Weight %):</b>	100%
<b>VOC Content:</b>	800 g/l

## 10. Stability and Reactivity

### 10.1 Reactivity:

See remaining headings in Section 10.

### 10.2 Chemical stability:

Stable

### 10.3 Possibility of hazardous reactions:

None known.

### 10.4 Conditions to avoid:

Avoid heat, flame, and sparks.

### 10.5 Incompatible materials :

Strong oxidizing agents.

**10.6 Hazardous decomposition products:**

Carbon dioxide, carbon monoxide.

**11. Toxicological Information**

**11.1 Information on toxicological effects:**

**Acute toxicity**

**Eye contact:**

Direct eye contact may cause eye irritation. This irritation is minimal and expected to be transient.

**Skin contact:**

Prolonged or repeated skin exposure can remove oils, causing redness, drying and cracking. Persons with pre-existing skin disorders may be more susceptible to skin irritation from this material.

**Irritation and Sensitization Potential:**

Product may be irritating to skin and eyes. It is not a sensitizer.

**Inhalation (Breathing):**

Concentrated petroleum solvent vapors may cause irritation of the nose and throat. Prolonged exposure to excessively high vapor concentrations can result in central nervous system depression (e.g., drowsiness, dizziness, loss of coordination, and fatigue). Persons with impaired lung function may experience additional breathing difficulties due to the irritant properties of this material.

**Ingestion:**

Ingestion of large quantities may cause irritation of the digestive tract, nervous system depression (e.g., drowsiness, dizziness, loss of coordination, and fatigue).

**Toxicity to Animals:**

Medium Aliphatic Petroleum

Solvent: LD<sub>50</sub> (oral rat) >5000 mg/kg  
 LD<sub>50</sub> (dermal rabbit) >2000 mg/kg  
 LC<sub>50</sub> (inhl rat) >4.3mg/L, 4 hours

2-Butoxyethanol: LD<sub>50</sub> (oral rat) >5000 mg/kg  
 LD<sub>50</sub> (dermal rabbit) >3000 mg/kg  
 LC<sub>50</sub> (inhl dog, guinea pig) >2mg/l, 7 hr.

**Aspiration hazard**

May be fatal if swallowed and enters airways. Based on physico-chemical properties of the material.

**Chronic Exposure:**

**Reproductive Toxicity:** Not available.

**Mutagenicity:** Not available.

**Teratogenicity:** Not available.

**Specific Target Organ Toxicity (STOT)** No end point data.

**Toxicologically Synergistic Products:** Not available.

**Carcinogenic Status:** This substance has not been identified as a carcinogen or probable carcinogen by NTP, IARC, or OSHA, nor have any of its components.

**12. Ecological Information**

**12.1 Aquatic Toxicity:**

2-Butoxyethanol (acute):	96 h LC <sub>50</sub> Bluegill	1,490 mg/l
	96 h LC <sub>50</sub> Silverside Minnow	1,250 mg/l
	48 h EC <sub>50</sub> Water Flea	1,550 mg/l
2-Butoxyethanol (chronic):	21 d NOEC Zebra Fish	> 100 mg/l
	21 d NOEC Daphnid	100 mg/l

<b>12.2 Persistence and degradability:</b>	Expected to be biodegradable.
<b>12.3 Bioaccumulation potential:</b>	No information available
<b>12.4 Mobility in soil:</b>	No information available.
<b>12.5 Results of PBT and vPvB Assessment:</b>	This product is not, nor does it contain a substance that is a PBT or vPvB.
<b>12.6 Other adverse effects:</b>	None known.

### 13. Disposal Considerations

Dispose of product in accordance with National and Local Regulations.

### 14. Transport Information

<b>UN Number:</b>	Not Listed
<b>UN Proper shipping name:</b>	Not Applicable
<b>Transport hazard class(es):</b>	Not Applicable
<b>Packing group:</b>	Not Applicable
<b>Environmental hazards:</b>	None known
<b>Special precautions:</b>	None known
<b>TDG:</b>	Not Regulated
<b>ICAO/IATA-DGR:</b>	Not Regulated
<b>IMDG:</b>	Not Regulated
<b>ADR/RID:</b>	Not Regulated

### 15. Regulatory Information

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

##### 15.1.1. NZ-Regulations

All chemical substances in this product are listed in the New Zealand Inventory of Chemicals (NZIoC) or are exempt

This substance is to be managed using the conditions specified in an applicable Group Standard

##### **HSR Number**

HSR002525 Combustible Cleaning Products Group Standard

##### 15.1.2. EU-regulations

- Contains no REACH substances with Annex XVII restrictions
- Contains no substance on the REACH candidate list
- Contains no REACH Annex XIV substances
- Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.
- Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

##### 15.1.3. Australian-regulations

All components are listed on the AICS.

Product is classified as hazardous according to criteria of NOHSC Australia.

##### 15.1.4. International-regulations

All chemical substances in this product are listed as "Active" in the US EPA (Environmental Protection Agency) "TSCA Inventory Notification (Active-Inactive) Requirements Rule" ("the Final Rule"). as of Feb. 2019 or are otherwise exempt.

### 15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out for the mixture by the supplier.

## 16. Other Information

### Abbreviations and acronyms:

OSHA = Occupational Safety and Health Administration

CLP = Classification, Labeling and Packaging Regulation

STOT = Specific Target Organ Toxicity

LD<sub>50</sub> = Median Lethal Dose

DNEL = Derived No Effect Level

ACGIH = American Conference of Governmental Industrial Hygienists

TSCA = Toxic Substances Control Act (USA)

DSL = Domestic Substances List (Canada)

AICS = Australian Inventory of Chemical Substances

**Revision Date:** March 14, 2022  
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**Supersedes:** July 30, 2020  
**Other:** New Zealand (NZ)  
**Indication of Changes:** Section 8; added PPE pictograms.

Written in accordance with the provisions of OSHA 1910.1200 App D (2012) and Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 including New Zealand specific information. (GHS format)

The information and recommendations contained herein are believed to be reliable. However, the supplier makes no warranties, express or implied, concerning the use of this product. The buyer must determine conditions of safe usage and assumes all risk and liability in handling this product.