SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : KAY FILTER POUCH CLEANER
Other means of identification : Not applicable
Recommended use : Cleaning product
Restrictions on use : Reserved for industrial and professional use.
Product dilution information : 1.0 %

Company : Kay Chemical Company
8300 Capital Drive
Greensboro, North Carolina USA 27409
1-800-529-5458

Emergency health information : 1-877-231-2615 (USA/Canada), 952-853-1713 (outside USA)
Issuing date : 08/13/2019

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification
Product AS SOLD
Not a hazardous substance or mixture.

Product AT USE DILUTION
Not a hazardous substance or mixture.

GHS label elements
Product AS SOLD
Precautionary Statements : Prevention:
Wash hands thoroughly after handling.
Response:
Get medical advice/ attention if you feel unwell.
Storage:
Store in accordance with local regulations.

Product AT USE DILUTION
Precautionary Statements : Prevention:
Wash hands thoroughly after handling.
Response:
Get medical advice/ attention if you feel unwell.
Storage:
Store in accordance with local regulations.

Product AS SOLD
Other hazards : None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product AS SOLD
Pure substance/mixture : Mixture
SAFETY DATA SHEET

KAY FILTER POUCH CLEANER

Chemical name          CAS-No.          Concentration (%)
Sodium carbonate peroxide          15630-89-4          30 - 60
Sodium Carbonate                 497-19-8          10 - 30
Sodium silicate                  1344-09-8          1 - 5

Product AT USE DILUTION
No hazardous ingredients

SECTION 4. FIRST AID MEASURES

Product AS SOLD
In case of eye contact : Rinse with plenty of water.
In case of skin contact : Rinse with plenty of water.
If swallowed : Rinse mouth. Get medical attention if symptoms occur.
If inhaled : Get medical attention if symptoms occur.
Protection of first-aiders : No special precautions are necessary for first aid responders.
Notes to physician : No specific measures identified.
Most important symptoms and effects, both acute and delayed : See Section 11 for more detailed information on health effects and symptoms.

Product AT USE DILUTION
In case of eye contact : Rinse with plenty of water.
In case of skin contact : Rinse with plenty of water.
If swallowed : Rinse mouth. Get medical attention if symptoms occur.
If inhaled : Get medical attention if symptoms occur.

SECTION 5. FIRE-FIGHTING MEASURES

Product AS SOLD
Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media : None known.
Specific hazards during fire fighting : Not flammable or combustible.
Hazardous combustion products : Decomposition products may include the following materials:
  Carbon oxides
  Sulfur oxides
Special protective equipment for fire-fighters : Use personal protective equipment.
Specific extinguishing methods : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
SECTION 6. ACCIDENTAL RELEASE MEASURES

**Product AS SOLD**

Personal precautions, protective equipment and emergency procedures :
Refer to protective measures listed in sections 7 and 8.

Environmental precautions :
No special environmental precautions required.

Methods and materials for containment and cleaning up :
Sweep up and shovel into suitable containers for disposal.

**Product AT USE DILUTION**

Personal precautions, protective equipment and emergency procedures :
Refer to protective measures listed in sections 7 and 8.

Environmental precautions :
No special environmental precautions required.

Methods and materials for containment and cleaning up :
Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

SECTION 7. HANDLING AND STORAGE

**Product AS SOLD**

Advice on safe handling :
Wash hands after handling. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE). For personal protection see section 8.

Conditions for safe storage :
Keep out of reach of children. Store in suitable labeled containers.

Storage temperature :
5 °C to 40 °C

**Product AT USE DILUTION**

Advice on safe handling :
Wash hands after handling. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE). For personal protection see section 8.

Conditions for safe storage :
Keep out of reach of children. Store in suitable labeled containers.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Product AS SOLD**

Ingredients with workplace control parameters
Contains no substances with occupational exposure limit values.

Engineering measures :
Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Personal protective equipment**

Eye protection :
No special protective equipment required.
SAFETY DATA SHEET

KAY FILTER POUCH CLEANER

Hand protection : No special protective equipment required.
Skin protection : No special protective equipment required.
Respiratory protection : No personal respiratory protective equipment normally required.
Hygiene measures : Wash hands before breaks and immediately after handling the product.

Product AT USE DILUTION

Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

Eye protection : No special protective equipment required.
Hand protection : No special protective equipment required.
Skin protection : No special protective equipment required.
Respiratory protection : No personal respiratory protective equipment normally required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Product AS SOLD</th>
<th>Product AT USE DILUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>powder</td>
</tr>
<tr>
<td>Color</td>
<td>White with colored particles</td>
</tr>
<tr>
<td>Odor</td>
<td>slight</td>
</tr>
<tr>
<td>pH</td>
<td>9.4 - 11.4, (1 %)</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>&gt; 100 °C</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td>No data available</td>
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<tr>
<td>Vapor pressure</td>
<td>No data available</td>
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<td>Relative vapor density</td>
<td>No data available</td>
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<tr>
<td>Relative density</td>
<td>1.04 - 1.08</td>
</tr>
<tr>
<td>Water solubility</td>
<td>soluble</td>
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<tr>
<td>Solubility in other solvents</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Thermal decomposition</td>
<td>No data available</td>
</tr>
</tbody>
</table>

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SAFETY DATA SHEET
KAY FILTER POUCH CLEANER

Viscosity, kinematic : No data available
Explosive properties : No data available
Oxidizing properties : yes
Molecular weight : No data available
VOC : No data available

SECTION 10. STABILITY AND REACTIVITY

Product AS SOLD
Reactivity : No dangerous reaction known under conditions of normal use.
Chemical stability : Stable under normal conditions.
Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.
Conditions to avoid : None known.
Incompatible materials : Acids
Hazardous decomposition products : In case of fire hazardous decomposition products may be produced such as:
                                   Carbon oxides
                                   Sulfur oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

Potential Health Effects

Product AS SOLD
Eyes : Health injuries are not known or expected under normal use.
Skin : Health injuries are not known or expected under normal use.
Ingestion : Health injuries are not known or expected under normal use.
Inhalation : Health injuries are not known or expected under normal use.
Chronic Exposure : Health injuries are not known or expected under normal use.

Product AT USE DILUTION
Eyes : Health injuries are not known or expected under normal use.
Skin : Health injuries are not known or expected under normal use.
Ingestion : Health injuries are not known or expected under normal use.
Inhalation : Health injuries are not known or expected under normal use.
Chronic Exposure : Health injuries are not known or expected under normal use.

Experience with human exposure

Product AS SOLD
SAFETY DATA SHEET

KAY FILTER POUCH CLEANER

Eye contact : No symptoms known or expected.
Skin contact : No symptoms known or expected.
Ingestion : No symptoms known or expected.
Inhalation : No symptoms known or expected.

**Product AT USE DILUTION**

Eye contact : No symptoms known or expected.
Skin contact : No symptoms known or expected.
Ingestion : No symptoms known or expected.
Inhalation : No symptoms known or expected.

**Toxicity**

**Product AS SOLD**

Product

Acute oral toxicity : Acute toxicity estimate : 2,526 mg/kg
Acute inhalation toxicity : No data available
Acute dermal toxicity : No data available
Skin corrosion/irritation : No skin irritation
Serious eye damage/eye irritation : No eye irritation
Method: OECD Test Guideline 437
Test substance: Product
Respiratory or skin sensitization : No data available
Carcinogenicity : No data available
Reproductive effects : No data available
Germ cell mutagenicity : No data available
Teratogenicity : No data available
STOT-single exposure : No data available
STOT-repeated exposure : No data available
Aspiration toxicity : No data available

**Components**

Acute dermal toxicity : Sodium silicate
LD50 Rat: > 5,000 mg/kg
Test substance: Information given is based on data obtained from similar substances.

**SECTION 12. ECOLOGICAL INFORMATION**

**Product AS SOLD**

Ecotoxicity

Environmental Effects : Toxic to aquatic life.

Product
| Toxicity to fish | : No data available |
| Toxicity to daphnia and other aquatic invertebrates | : No data available |
| Toxicity to algae | : No data available |

**Components**

Toxicity to fish: Sodium Carbonate 96 h LC50 Lepomis macrochirus (Bluegill sunfish): 300 mg/l

Sodium silicate 96 h LC50 Oncorhynchus mykiss (rainbow trout): 260 mg/l

**Components**

Toxicity to daphnia and other aquatic invertebrates: Sodium carbonate peroxide 48 h EC50 Daphnia: 4.9 mg/l

Sodium Carbonate 48 h EC50 Ceriodaphnia (water flea): 213.5 mg/l

Sodium silicate 48 h EC50 Daphnia magna (Water flea): 1,700 mg/l

**Components**

Toxicity to algae: Sodium silicate 72 h EC50 Desmodesmus subspicatus (green algae): 207 mg/l

**Persistence and degradability**

**Product AS SOLD**
Readily biodegradable.

**Product AT USE DILUTION**
Readily biodegradable.

**Bioaccumulative potential**
No data available

**Mobility in soil**
No data available

**Other adverse effects**
No data available

**SECTION 13. DISPOSAL CONSIDERATIONS**

**Product AS SOLD**
Disposal methods: Do not contaminate ponds, waterways or ditches with chemical or used container. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations: Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.
SAFETY DATA SHEET
KAY FILTER POUCH CLEANER

Product AT USE DILUTION
Disposal methods : Diluted product can be flushed to sanitary sewer.
Disposal considerations : Dispose of in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

Product AS SOLD
The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)
Not dangerous goods

Sea transport (IMDG/IMO)
Not dangerous goods

SECTION 15. REGULATORY INFORMATION

Product AS SOLD
EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity
This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity
This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : No SARA Hazards
SARA 302 : This material does not contain any components with a section 302 EHS TPQ.
SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop. 65
This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

California Cleaning Product Right to Know Act of 2017 (SB 258)
This regulation applies to this product.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Function</th>
<th>List(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium carbonate peroxide</td>
<td>15630-89-4</td>
<td>Cleaning Agent</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>sodium sulfate</td>
<td>7757-82-6</td>
<td>Diluent</td>
<td>20</td>
</tr>
<tr>
<td>citric acid, trisodium salt, dihydrate</td>
<td>6132-04-3</td>
<td>Buffer</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>water</td>
<td>7732-18-5</td>
<td>Diluent</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Pigment</td>
<td>Withheld</td>
<td>Dye</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Copper</td>
<td>7440-50-8</td>
<td>Dye</td>
<td>19, 20</td>
</tr>
</tbody>
</table>

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The ingredients of this product are reported in the following inventories:

Switzerland. New notified substances and declared preparations:  
On the inventory, or in compliance with the inventory

United States TSCA Inventory:  
All substances listed as active on the TSCA inventory

Canadian Domestic Substances List (DSL):  
All components of this product are on the Canadian DSL

Australia Inventory of Chemical Substances (AICS):  
On the inventory, or in compliance with the inventory

New Zealand. Inventory of Chemical Substances:  
not determined

Japan. ENCS - Existing and New Chemical Substances Inventory:  
not determined

Japan. ISHL - Inventory of Chemical Substances (METI):  
On the inventory, or in compliance with the inventory

Korea. Korean Existing Chemicals Inventory (KECI):  
On the inventory, or in compliance with the inventory

Philippines Inventory of Chemicals and Chemical Substances (PICCS):  
On the inventory, or in compliance with the inventory

China. Inventory of Existing Chemical Substances in China (IECSC):  
On the inventory, or in compliance with the inventory

Taiwan Chemical Substance Inventory (TCSI):  
On the inventory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION

Product AS SOLD  
NFPA:  
Flammability

Health
0
0
0
Special hazard.

Instability

HMIS III:  

<table>
<thead>
<tr>
<th>Category</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEALTH</td>
<td>0</td>
</tr>
<tr>
<td>FLAMMABILITY</td>
<td>0</td>
</tr>
<tr>
<td>PHYSICAL HAZARD</td>
<td>0</td>
</tr>
</tbody>
</table>

0 = not significant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme, * = Chronic

Product AT USE DILUTION
REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

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.