SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: CONTENDER CLEANER & DESTAINER WITH BLEACH
Other means of identification: Not applicable
Recommended use: Cleaning product
Restrictions on use: Reserved for industrial and professional use.
Product dilution information: Product is sold ready to use.
Company: SSDC Division
           Kay Chemical Company
           4050 Corporate Dr., #100
           Grapevine, Texas USA 76051-2326
           1-800-532-7732 (Customer Service)
Emergency health information: 1-800-391-1504
Issuing date: 05/21/2019

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification
Corrosive to Metals: Category 1

GHS label elements
Hazard pictograms:

Signal Word: Warning
Hazard Statements: May be corrosive to metals.
Precautionary Statements: Prevention:
Keep only in original container.
Response:
Absorb spillage to prevent material damage.
Storage:
Store in corrosive resistant container with a resistant inner liner.

Other hazards: None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture: Mixture

Chemical name: Sulfuric acid, monoctyl ester, sodium salt (1:1)
CAS-No.: 142-31-4
Concentration (%): 1 - 5

SECTION 4. FIRST AID MEASURES

In case of eye contact: Rinse with plenty of water.
# SAFETY DATA SHEET

## CONTENDER CLEANER & DESTAINER WITH BLEACH

<table>
<thead>
<tr>
<th>In case of skin contact</th>
<th>Rinse with plenty of water.</th>
</tr>
</thead>
<tbody>
<tr>
<td>If swallowed</td>
<td>Rinse mouth. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>If inhaled</td>
<td>Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>Protection of first-aiders</td>
<td>No special precautions are necessary for first aid responders.</td>
</tr>
<tr>
<td>Notes to physician</td>
<td>No specific measures identified.</td>
</tr>
<tr>
<td>Most important symptoms and effects, both acute and delayed</td>
<td>See Section 11 for more detailed information on health effects and symptoms.</td>
</tr>
</tbody>
</table>

## SECTION 5. FIRE-FIGHTING MEASURES

<table>
<thead>
<tr>
<th>Suitable extinguishing media</th>
<th>Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unsuitable extinguishing media</td>
<td>None known.</td>
</tr>
<tr>
<td>Specific hazards during fire fighting</td>
<td>Not flammable or combustible.</td>
</tr>
<tr>
<td>Hazardous combustion products</td>
<td>Decomposition products may include the following materials: Carbon oxides Nitrogen oxides (NOx) Sulfur oxides</td>
</tr>
<tr>
<td>Special protective equipment for fire-fighters</td>
<td>Use personal protective equipment.</td>
</tr>
<tr>
<td>Specific extinguishing methods</td>
<td>Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.</td>
</tr>
</tbody>
</table>

## SECTION 6. ACCIDENTAL RELEASE MEASURES

<table>
<thead>
<tr>
<th>Personal precautions, protective equipment and emergency procedures</th>
<th>Refer to protective measures listed in sections 7 and 8.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental precautions</td>
<td>Do not allow contact with soil, surface or ground water.</td>
</tr>
<tr>
<td>Methods and materials for containment and cleaning up</td>
<td>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.</td>
</tr>
</tbody>
</table>

## SECTION 7. HANDLING AND STORAGE

<table>
<thead>
<tr>
<th>Advice on safe handling</th>
<th>Wash hands thoroughly after handling.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conditions for safe storage</td>
<td>Keep out of reach of children. Store in suitable labeled containers.</td>
</tr>
</tbody>
</table>
 Storage temperature : 0 °C to 40 °C

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Engineering measures : Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

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.
Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid
Color : clear, colorless
Odor : Perfumes, fragrances
pH : 11.8 - 13.0, (100 %)
Flash point : Not applicable, Does not sustain combustion.
Odor Threshold : No data available
Melting point/freezing point : No data available
Initial boiling point and boiling range : > 100 °C
Evaporation rate : No data available
Flammability (solid, gas) : No data available
Upper explosion limit : No data available
Lower explosion limit : No data available
Vapor pressure : No data available
Relative vapor density : No data available
Relative density : 1.006 - 1.026
Water solubility : soluble
Solubility in other solvents : No data available
Partition coefficient: n-octanol/water : No data available
Autoignition temperature : No data available
Thermal decomposition : No data available
SAFETY DATA SHEET

CONTENDER CLEANER & DESTAINER WITH BLEACH

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

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
Metals
Hazardous decomposition products: In case of fire hazardous decomposition products may be produced such as:
Carbon oxides
Nitrogen oxides (NOx)
Sulfur oxides

SECTION 11. TOXICOLOGICAL INFORMATION

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

Potential Health Effects

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

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
**SAFETY DATA SHEET**

**CONTENDER CLEANER & DESTAINER WITH BLEACH**

<table>
<thead>
<tr>
<th>Acute oral toxicity</th>
<th>Acute toxicity estimate</th>
<th>&gt; 5,000 mg/kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute inhalation toxicity</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Acute dermal toxicity</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>No skin irritation</td>
<td></td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>No eye irritation</td>
<td></td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Reproductive effects</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Teratogenicity</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>STOT-single exposure</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>STOT-repeated exposure</td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td>Aspiration toxicity</td>
<td>No data available</td>
<td></td>
</tr>
</tbody>
</table>

**Components**

Acute dermal toxicity: Sulfuric acid, monoctyl ester, sodium salt (1:1)
LD50 Rabbit: > 500 mg/kg

**SECTION 12. ECOLOGICAL INFORMATION**

**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 daphnia and other aquatic invertebrates: Sulfuric acid, monoctyl ester, sodium salt (1:1)
48 h EC50 Daphnia: 31 mg/l

**Persistence and degradability**

Biodegradable

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Other adverse effects**

No data available
SECTION 13. DISPOSAL CONSIDERATIONS

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.


SECTION 14. TRANSPORT INFORMATION

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

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Component RQ (lbs)</th>
<th>Calculated product RQ (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>sodium hypochlorite</td>
<td>7681-52-9</td>
<td>100</td>
<td>13989</td>
</tr>
</tbody>
</table>

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

SARA 311/312 Hazards: Corrosive to Metals

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>water</td>
<td>7732-18-5</td>
<td>Diluent</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Sulfuric acid, monoocetyl ester, sodium salt (1:1)</td>
<td>142-31-4</td>
<td>Cleaning Agent</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Chlorine oxidant</td>
<td>Withheld</td>
<td>Brightener</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Phosphate</td>
<td>Withheld</td>
<td>Cleaning Agent</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Nonionic Surfactant</td>
<td>Withheld</td>
<td>Cleaning Agent</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>1310-73-2</td>
<td>Cleaning Agent</td>
<td>20</td>
</tr>
<tr>
<td>solvents /additives</td>
<td>88-41-5</td>
<td>Fragrance</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Nonionic surfactant</td>
<td>Withheld</td>
<td>Cleaning Agent</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Benzyl benzoate</td>
<td>120-51-4</td>
<td>Fragrance</td>
<td>FRA</td>
</tr>
<tr>
<td>4-tert-butylcyclohexyl acetate</td>
<td>32210-23-4</td>
<td>Fragrance</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>2-heptanol, 2,6-dimethyl-</td>
<td>13254-34-7</td>
<td>Fragrance</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

*refer to ecolab.com/sds for electronic links to designated lists

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

**United States TSCA Inventory**: On the inventory, or in compliance with the 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**: On the inventory, or in compliance with the inventory

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

**SECTION 16. OTHER INFORMATION**
SAFETY DATA SHEET

CONTENDER CLEANER & DESTAINER WITH BLEACH

Issuing date : 05/21/2019
Version : 1.0
Prepared by : Regulatory Affairs

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 Material 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.