SAFETY DATA SHEET
STAINLESS STEEL CLEANER & POLISH

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : STAINLESS STEEL CLEANER & POLISH
Other means of identification : Not applicable
Recommended use : Metal polish
Restrictions on use : Reserved for industrial and professional use.
Product dilution information : Product is sold ready to use.
Company : Ecolab Inc.
1 Ecolab Place
St. Paul, Minnesota USA 55102
1-800-352-5326
Emergency health information : 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)
Issuing date : 09/23/2019

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification
Flammable aerosols : Category 2

GHS label elements
Hazard pictograms : [Flammable icon]

Signal Word : Warning
Hazard Statements : Flammable aerosol.
Precautionary Statements : Prevention:
Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Do not spray on an open flame or other ignition source. Pressurized
container: Do not pierce or burn, even after use. Intentional misuse by
deliberate inhalation may be harmful or fatal.
Storage:
Protect from sunlight. Do not expose to temperatures exceeding
50 °C/ 122 °F.

Other hazards : None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture : Mixture

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>white mineral oil, petroleum</td>
<td>8042-47-5</td>
<td>10 - 30</td>
</tr>
<tr>
<td>Butane</td>
<td>106-97-8</td>
<td>5 - 10</td>
</tr>
<tr>
<td>propane</td>
<td>74-98-6</td>
<td>1 - 5</td>
</tr>
<tr>
<td>solvent naphtha (petroleum), medium aliph.</td>
<td>64742-88-7</td>
<td>1 - 5</td>
</tr>
</tbody>
</table>

900096-03 1 / 8
## SECTION 4. FIRST AID MEASURES

<table>
<thead>
<tr>
<th>Condition</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>In case of eye contact</td>
<td>Rinse with plenty of water.</td>
</tr>
<tr>
<td>In case of skin contact</td>
<td>Rinse with plenty of water.</td>
</tr>
<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>Parameter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suitable extinguishing media</td>
<td>Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.</td>
</tr>
<tr>
<td>Unsuitable extinguishing media</td>
<td>High volume water jet</td>
</tr>
<tr>
<td>Specific hazards during fire fighting</td>
<td>Pressurised container: May burst if heated. Flammable aerosols</td>
</tr>
<tr>
<td>Hazardous combustion products</td>
<td>Decomposition products may include the following materials: Carbon 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. In the event of fire and/or explosion do not breathe fumes.</td>
</tr>
</tbody>
</table>

## SECTION 6. ACCIDENTAL RELEASE MEASURES

<table>
<thead>
<tr>
<th>Precaution</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personal precautions, protective equipment and emergency procedures</td>
<td>Refer to protective measures listed in sections 7 and 8.</td>
</tr>
<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.</td>
</tr>
</tbody>
</table>

## SECTION 7. HANDLING AND STORAGE

<table>
<thead>
<tr>
<th>Handling and storage</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advice on safe handling</td>
<td>Contents under pressure. Do not puncture. Wash hands thoroughly after handling.</td>
</tr>
<tr>
<td>Conditions for safe storage</td>
<td>Keep in a cool, well-ventilated place. Keep out of reach of children.</td>
</tr>
</tbody>
</table>
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Keep container tightly closed. Store in suitable labeled containers.

Storage temperature: 5 °C to 45 °C

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Form of exposure</th>
<th>Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>white mineral oil, petroleum</td>
<td>8042-47-5</td>
<td>TWA (Mist)</td>
<td>5 mg/m³</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL (Mist)</td>
<td>10 mg/m³</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Mist)</td>
<td>5 mg/m³</td>
<td>OSHA Z1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA (Inhalable fraction)</td>
<td>5 mg/m³</td>
<td>ACGIH</td>
</tr>
<tr>
<td>Butane</td>
<td>106-97-8</td>
<td>TWA</td>
<td>800 ppm, 1,900 mg/m³</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL</td>
<td>1,000 ppm</td>
<td>ACGIH</td>
</tr>
<tr>
<td>propane</td>
<td>74-98-6</td>
<td>TWA</td>
<td>1,000 ppm, 1,800 mg/m³</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>1,000 ppm, 1,800 mg/m³</td>
<td>OSHA Z1</td>
</tr>
<tr>
<td>solvent naphtha (petroleum), medium aliph.</td>
<td>64742-88-7</td>
<td>TWA</td>
<td>500 ppm, 2,000 mg/m³</td>
<td>OSHA Z1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>200 mg/m³ (as total hydrocarbon vapor)</td>
<td>ACGIH</td>
</tr>
</tbody>
</table>

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: aerosol
Color: opaque, white
Odor: citrus
pH: Not applicable
Flash point: Not applicable, Sustains combustion
Odor Threshold: No data available
Melting point/freezing point: No data available
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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 : 0.894 - 0.951
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
Viscosity, kinematic : 6300.000 mm²/s (40 °C)
Explosive properties : No data available
Oxidizing properties : No data available
Molecular weight : No data available
VOC : No data available
Heat of combustion : 6.26 kJ/g

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 : None known.
Hazardous decomposition products : Decomposition products may include the following materials: Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : 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: Intentional misuse by deliberate inhalation may be harmful or fatal.

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**

Acute oral toxicity: Acute toxicity estimate: > 5,000 mg/kg

Acute inhalation toxicity: No data available

Acute dermal toxicity: No data available

Skin corrosion/irritation: No data available

Serious eye damage/eye irritation: No data available

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 inhalation toxicity: Butane

4 h LC50 Rat: 280000 ppm

Test atmosphere: gas

**Components**

Acute dermal toxicity: solvent naphtha (petroleum), medium aliph.

LD50 Rabbit: > 2,000 mg/kg

**SECTION 12. ECOLOGICAL INFORMATION**

Ecotoxicity

Environmental Effects: This product has no known ecotoxicological effects.
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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 : white mineral oil, petroleum
96 h LC50 Oncorhynchus mykiss (rainbow trout): > 100 mg/l

Butane
96 h LC50 Fish: 22.03 mg/l

solvent naphtha (petroleum), medium aliph.
96 h LC50 Fish: 800 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 : 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)

UN number : 1950
Description of the goods : Aerosols
Class : 2.1
Environmentally hazardous : no

Sea transport (IMDG/IMO)

UN number : 1950
Description of the goods : AEROSOLS
Class : 2.1
Marine pollutant : no
SECTION 15. REGULATORY INFORMATION

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 : Fire Hazard

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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>Solvent</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>solvent naphtha (petroleum), medium aliph.</td>
<td>64742-88-7</td>
<td>Solvent</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>white mineral oil, petroleum</td>
<td>8042-47-5</td>
<td>Solvent</td>
<td>9, 15</td>
</tr>
<tr>
<td>Butane</td>
<td>106-97-8</td>
<td>Propellant</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>propane</td>
<td>74-98-6</td>
<td>Propellant</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 : 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

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

NFPA:

<table>
<thead>
<tr>
<th>Flammability</th>
<th>Health</th>
<th>Instability</th>
<th>Special hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>3</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

HMIS III:

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>FLAMMABILITY</th>
<th>PHYSICAL HAZARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>3</td>
<td>0</td>
</tr>
</tbody>
</table>

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

Issuing date : 09/23/2019
Version : 1.1
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.

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