

# SAFETY DATA SHEET

## SECTION 1: IDENTIFICATION

Product Name: PURO HD All Purpose Cleaner  
 Product Use: Multi Use Cleaner  
 Manufacturer/Supplier: PURO Car Care  
 Address: 272 Springview Commerce  
 Debary, Florida 32713  
 Telephone Number: (866) 875-8566  
 E-Mail: info@purocarcare.com  
 Web: purocarcare.com

## SECTION 2: HAZARD(S) IDENTIFICATION

### GHS CLASSIFICATION: HEALTH ENVIRONMENTAL

Eye Effects – 1  
 Skin Corrosion – 1  
 Acute Toxicity – N/A  
 Skin Sensitization – N/A  
 Mutagenicity – N/A  
 Carcinogenicity – N/A  
 Reproductive/Developmental – N/A  
 Target Organ Toxicity – N/A  
 Toxicity – N/A  
 Aspiration Hazard – N/A  
 Environmental Hazards – N/A  
 Hazardous To The Aquatic Environment – N/A

### HAZARD STATEMENTS

Danger!  
 Causes severe skin burns and eye damage.  
 Combustible liquid.

### PHYSICAL

Flammable Liquid – 4  
 Explosives – N/A  
 Flammable Gases – N/A  
 Flammable Aerosols – N/A  
 Oxidizing Gases – N/A  
 Gases Under Pressure – N/A  
 Flammable Solid – N/A  
 Self-Reactive Substances – N/A  
 Pyrophoric Solids – N/A  
 Self-Heating Substances – N/A  
 Oxidizing Liquids – N/A  
 Oxidizing Solids – N/A  
 Organic Peroxides – N/A  
 Corrosive To Metal – N/A  
 Substances Which, In Contact With  
 Water Emit Flammable Gases – N/A

### PICTOGRAM



**PRECAUTIONARY STATEMENTS**

General:

- P101 If Medical Advice Is Needed, Have Product Or Label At Hand.
- P102 Keep Out Of Reach Of Children.
- P103 Read Label Before Use.

Prevention:

- P261 Avoid Breathing Mist, Vapors, Spray.
- P264 Wash Thoroughly After Handling.
- P280 Wear Protective Gloves/Protective Clothing/Eye Protection/Face Protection.
- P210 Keep Away From Heat/Sparks/Open Flames/Hot Surfaces. - No Smoking

Storage: Store In A Well-Ventilated Place. Store Locked Up. Keep Container Tightly Closed.

Response:

Immediately call a POISON CENTER or doctor/physician

If swallowed: immediately call a poison control center or doctor/physician. Rinse mouth. Do not induce vomiting.

In eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists get medical advice/attention.

If on skin (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower Wash contaminated clothing before reuse

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Disposal: Dispose Of Contents/Container In Accordance With Local/Regional/National/International Regulations.

Other Information: Toxic to aquatic life with long lasting effects. Toxic to aquatic life.

**SECTION 3: COMPOSITION | INFORMATION ON INGREDIENTS**

| <u>COMPONENT</u>                                     | <u>CAS NUMBER</u> | <u>WEIGHT</u> |
|--|-------------------|---------------|
| Sodium Metasilicate                                  | 6834-92-0         | 1 - 5         |
| Dodecylbenzenesulphonic Acid                         | 27176-87-0        | 1 - 5         |
| Benzenesulfonic acid, 4-C10-13-sec-alkyl derivatives | 85536-14-7        | 1 - 5         |
| Benzenesulfonic acid, (C10-16)                       | 68584-22-5        | 1 - 5         |
| 2-Butoxyethanol                                      | 111-76-2          | 1 - 5         |
| Sodium Hydroxide                                     | 1310-73-2         | 0.1 - 1       |



**SECTION 4: FIRST AID MEASURES**

Eye contact: Flush immediately with large amounts of clean water for at least 15 minutes, eyelids should be held away from the eyeball to ensure thorough rinsing. If any irritation persists, seek medical attention.

Skin contact: Rinse area with soap and water. Seek medical attention if any redness or irritation persists inhalation: if breathing is difficult or irritating, move to fresh air immediately. If symptoms persist, get medical attention.

Inhalation: Immediate medical attention is not required. If symptoms persist, call a physician. Move to fresh air in case of accidental inhalation of vapors or decomposition products.

Ingestion: Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician. Do NOT induce vomiting.

Self-protection of the first aider: Use personal protective equipment as required.

Most important symptoms and effects, both acute and delayed

Symptoms: See section 2 for more information

Indication of any immediate medical attention and special treatment needed

Note to physicians: Treat symptomatically

**SECTION 5: FIRE FIGHTING MEASURES**

Suitable extinguishing media:

Use, Dry chemical, Carbon dioxide (CO<sub>2</sub>), Water spray (fog), Alcohol resistant foam

Unsuitable extinguishing media: None

Specific hazards arising from the chemical:

Keep product and empty container away from heat and sources of ignition. Risk of ignition.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**SECTION 6: ACCIDENT RELEASE MEASURES**

Personal precautions: Use personal protective equipment as required. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges.

Environmental precautions: See section 12 for additional ecological information. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

**SECTION 6: ACCIDENT RELEASE MEASURES CONT.**

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: Soak up with inert absorbent material. Dam up. Pick up and transfer to properly labeled containers. Take precautionary measures against static discharges.

Prevention of secondary hazards: Clean contaminated objects and areas thoroughly observing environmental regulations.

**SECTION 7: HANDLING AND STORAGE**

Advice on safe handling: Use with local exhaust ventilation. All equipment used when handling the product must be grounded. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray. Take necessary action to avoid static electricity discharge(which might cause ignition of organic vapors).

Conditions for safe storage, including any incompatibilities:

Storage Conditions: Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electricmotors and static electricity). Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat. Keep in properly labeled containers.

Incompatible materials: Strong oxidizing agents

**SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION**

Exposure Guidelines:

2-Butoxyethanol 111-76-2:

|           |               |                       |
|-----------|---------------|-----------------------|
| ACGIH TLV | TWA           | 20 PPM                |
| OSHA PEL  | TWA           | 50 ppm                |
| OSHA PEL  | TWA           | 240 mg/m <sup>3</sup> |
| OSHA PEL  | (vacated) TWA | 25 ppm                |
| OSHA PEL  | (vacated) TWA | 120 mg/m <sup>3</sup> |
| OSHA PEL  | (vacated) S*  |                       |
| OSHA PEL  | S*            |                       |
| NIOSH     | TWA           | 5 PPM                 |
| NIOSH     | TWA           | 24 MG/M <sup>3</sup>  |
| NIOSH     | IDLH          | 700 PPM               |

Sodium Hydroxide 1310-73-2:

|           |                   |                      |
|-----------|-------------------|----------------------|
| ACGIH TLV | Ceiling           | 2mg/m <sup>3</sup>   |
| OSHA PEL  | TWA               | 2 mg/m <sup>3</sup>  |
| OSHA PEL  | (vacated) Ceiling | 2mg/m <sup>3</sup>   |
| NIOSH     | IDLH              | 10 MG/M <sup>3</sup> |
| NIOSH     | Ceiling           | 2mg/m <sup>3</sup>   |

(NIOSH IDLH Immediately Dangerous to Life or Health)

**PURO**

**SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION CONT.**

Other Information: Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965F.2d962(11th Cir., 1992).

Engineering Controls: Showers  
Eyewash stations  
Ventilation systems

Individual protection measures, such as personal protective equipment:

Eye/face protection: Tight sealing safety goggles.  
Skin and body protection: Wear protective natural rubber, nitrile rubber, Neoprene™ or PVC gloves.  
Respiratory protection: Use NIOSH-approved air-purifying respirator with organic vapor cartridge or canister, as appropriate.

General Hygiene Considerations: When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

9.1. Information on basic physical and chemical properties:

Physical state: Liquid  
Appearance: Green  
Odor: Cinnamon  
Odor threshold: No information available

| <u>Property</u>                | <u>Values</u>            |
|--------------------------------|--------------------------|
| pH                             | 11.5                     |
| Melting point / freezing point | No information available |
| Boiling point / boiling range  | 100 °C / 212 °F          |
| Flash point                    | 66 °C / 150.8 °F         |
| Evaporation rate               | No information available |
| Flammability (solid, gas)      | No information available |
| Flammability Limit in Air      |                          |
| Upper flammability limit:      | No information available |
| Lower flammability limit:      | No information available |
| Vapor pressure                 | No information available |
| Vapor density                  | No information available |
| Relative density               | No information available |
| Water solubility               | No information available |
| Solubility(ies)                | No information available |
| Partition coefficient          | No information available |
| Autoignition temperature       | No information available |
| Decomposition temperature      | No information available |
| Kinematic viscosity            | No information available |
| Dynamic viscosity              | No information available |
| Explosive properties           | No information available |
| Oxidizing properties           | No information available |

Other Information:

Softening point: No information available  
Molecular weight: No information available  
VOC Content (%): No information available  
VOC content:  
Density: 1.06  
Bulk density: No information available  
SADT (self-accelerating decomposition temperature): No information available



**SECTION 10: STABILITY AND REACTIVITY**

Reactivity: No information available.

Chemical stability: Stable under normal conditions

Possibility of hazardous reactions: None under normal processing.

Conditions to avoid: Heat, flames and sparks.

Incompatible materials: Strong oxidizing agents

Hazardous decomposition: Carbon oxides

**SECTION 11: TOXICOLOGICAL INFORMATION**

Information on likely routes of exposure:

|              |   |
|--------------|---|
| Inhalation   | May cause irritation of respiratory tract.  |
| Eye contact  | Contact with eyes may cause irritation. May cause redness and tearing of the eyes |
| Skin contact | May cause skin irritation and/or dermatitis.                                      |
| Ingestion    | Ingestion may cause irritation to mucous membranes                                |

| Chemical Name   | Oral LD50            | Oral LD50                   | Inhalation LC50                                |
|---|----------------------|-----------------------------|--|
| Sodium Metasilicate<br>6834-92-0  | = 1153 mg/kg ( Rat ) | -                           | -  |
| Dodecylbenzenesulphonic<br>Acid<br>27176-87-0                               | = 1260 mg/kg ( Rat ) | 631 - 1000 mg/kg ( Rabbit ) | -  |
| Benzenesulfonic acid,<br>4-C10- 13-sec-alkyl deriv-<br>itives<br>85536-14-7 | = 1219 mg/kg ( Rat ) | -                           | -  |
| Benzenesulfonic acid,<br>(C10-16)<br>68584-22-5                             | = 775 mg/kg ( Rat )  | = 2000 mg/kg ( Rabbit )     | -  |
| 2-Butoxyethanol<br>111-76-2   | = 470 mg/kg ( Rat )  | = 435 mg/kg ( Rabbit )      | = 486 ppm ( Rat ) 4 h = 450<br>ppm ( Rat ) 4 h |
| Sodium Hydroxide<br>1310-73-2   | = 325 mg/kg ( Rat )  | = 1350 mg/kg ( Rabbit )     | -  |

Information on toxicological effects:

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical Name               | ACGIH | IARC    | NTP | OSHA |
|-----------------------------|-------|---------|-----|------|
| 2-Butoxyethanol<br>111-76-2 | A3    | Group 3 | -   | -    |

**SECTION 11: TOXICOLOGICAL INFORMATION CONT.**

ACGIH (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

Not classifiable as a human carcinogen

NTP (National Toxicology Program)

Known - Known Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Chronic toxicity: May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects.

Target Organ Effects: Blood, Central nervous system, Eyes, Hematopoietic System, kidney, Liver, Respiratory system, Skin.

The following values are calculated based on chapter 3.1 of the GHS document .

|                               |              |
|-------------------------------|--------------|
| ATEmix (oral)                 | 5972 mg/kg   |
| ATEmix (dermal)               | 12962 mg/kg  |
| ATEmix (inhalation-dust/mist) | 65.5 mg/l    |
| ATEmix (inhalation-vapor)     | 19646.5 mg/l |

**SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity: 0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Persistence and degradability: No information available.

Bioaccumulation: No information available.

Mobility: No information available.

Other adverse effects: No information available.

| Chemical Name   | Partial Coefficient |
|---|---------------------|
| Benzenesulfonic acid, 4-C10- 13-sec-alkyl derivatives<br>85536-14-7 | 2                   |
| Benzenesulfonic acid, (C10-16)<br>68584-22-5                        | 2                   |
| 2-Butoxyethanol<br>111-76-2   | 0.81                |

**SECTION 13: DISPOSAL CONSIDERATIONS**

Waste treatment methods:

- Disposal of wastes: Disposal should be in accordance with applicable regional, national and local laws and regulations.
- Contaminated packaging: Do not reuse container.
- US EPA Waste Number: U122

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical Name                 | California Hazardous Waste Status |
|-------------------------------|-----------------------------------|
| Sodium Hydroxide<br>1310-73-2 | Toxic<br>Corrosive                |

**SECTION 14: TRANSPORT INFORMATION**

Note: This information is not intended to convey all specific regulatory information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material. The transportation classification provided is based on ITW Evercoat original packaging, which is suitable for domestic ground transportation only.

DOT

- UN/ID No UN1719
- Proper shipping name: Caustic Alkali Liquid N.O.S (Sodium Hydroxide)
- Hazard Class 8
- Packing Group III

IATA

- UN/ID No UN1719
- Proper shipping name: Caustic Alkali Liquid N.O.S (Sodium Hydroxide)
- Hazard Class 8
- Packing Group III

IMDG

- UN/ID No UN1719
- Proper shipping name: Caustic Alkali Liquid N.O.S (Sodium Hydroxide)
- Hazard Class 8
- Packing Group III





**SECTION 15: REGULATORY INFORMATION**International Inventories

|               |                |
|---------------|----------------|
| TSCA          | Complies       |
| DSL/NDSL      | Complies       |
| EINECS/ELINCS | Not determined |
| ENCS          | Not determined |
| IECSC         | Not determined |
| KECL          | Not determined |
| PICCS         | Not determined |
| AICS          | Not determined |

Legend:

|                 |  |
|-----------------|--|
| TSCA -          | United States Toxic Substances Control Act Section 8(b) Inventory                                |
| DSL/NDSL -      | Canadian Domestic Substances List/Non-Domestic Substances List                                   |
| EINECS/ELINCS - | European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances |
| ENCS -          | Japan Existing and New Chemical Substances   |
| IECSC -         | China Inventory of Existing Chemical Substances  |
| KECL -          | Korean Existing and Evaluated Chemical Substances  |
| PICCS -         | Philippines Inventory of Chemicals and Chemical Substances                                       |
| AICS -          | Australian Inventory of Chemical Substances  |

**US Federal Regulations**SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| <b>Chemical Name</b>       | <b>SARA 313 - Threshold Values %</b> |
|----------------------------|--------------------------------------|
| 2-Butoxyethanol - 111-76-2 | 1.0                                  |
| Formaldehyde - 50-00-0     | 0.1                                  |

SARA 311/312 Hazard Categories

|                                   |     |
|-----------------------------------|-----|
| Acute health hazard               | Yes |
| Chronic Health Hazard             | No  |
| Fire hazard                       | Yes |
| Sudden release of pressure hazard | No  |
| Reactive Hazard                   | No  |

**SECTION 15: REGULATORY INFORMATION CONT.**CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| <b>Chemical Name</b>                       | <b>CWA - Reportable Quantities</b> | <b>CWA - Toxic Pollutants</b> | <b>CWA - Priority Pollutants</b> | <b>CWA - Hazardous Substances</b> |
|--|------------------------------------|-------------------------------|----------------------------------|-----------------------------------|
| Dodecylbenzenesulphonic Acid<br>27176-87-0 | 1000lb                             | -                             | -                                | X                                 |
| Sodium Hydroxide<br>1310-73-2              | 1000lb                             | -                             | -                                | X                                 |

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| <b>Chemical Name</b>                       | <b>Hazardous Substances RQs</b> | <b>CERCLA/SARA RQ</b> | <b>Reportable Quantity (RQ)</b>           |
|--|---------------------------------|-----------------------|---|
| Dodecylbenzenesulphonic Acid<br>27176-87-0 | 1000lb                          | -                     | RQ 1000 lb final RQ<br>RQ 454 kg final RQ |
| Sodium Hydroxide<br>1310-73-2              | 1000lb                          | -                     | RQ 1000 lb final RQ<br>RQ 454 kg final RQ |

**US State Regulations**California Proposition 65

| <b>Chemical Name</b>       | <b>California Proposition 65</b> |
|----------------------------|----------------------------------|
| Sulfuric Acid<br>7664-93-9 | Carcinogen                       |
| Formaldehyde<br>50-00-0    | Carcinogen                       |

**SECTION 15: REGULATORY INFORMATION CONTI,****US State Right-to-Know Regulations**

| Chemical Name                              | New Jersey | Massachusetts | Pennsylvania |
|--|------------|---------------|--------------|
| Dodecylbenzenesulphonic Acid<br>27176-87-0 | X          | X             | X            |
| Dodecylbenzenesulphonic Acid<br>27176-87-0 | X          | X             | X            |
| Monoethanolamine<br>141-43-5               | X          | X             | X            |
| Sodium Hydroxide<br>1310-73-2              | X          | X             | X            |
| Formaldehyde<br>50-00-0                    | X          | X             | X            |

**US State Right-to-Know Regulations**

EPA Pesticide Registration Number Not applicable

**SECTION 16: OTHER INFORMATION**

|             |                  |                |                    |                       |
|-------------|------------------|----------------|--------------------|-----------------------|
| <u>NFPA</u> | Health hazards 2 | Flammability 2 | Instability 0      | -                     |
| <u>HMIS</u> | Health hazards 2 | Flammability 2 | Physical hazards 0 | Personal protection B |

NFPA (National Fire Protection Association)  
HMIS (Hazardous Material Information System)

Revision Date 04-Mar-2020

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