



## Worx Clean 'n' Gentle Liquid Hand Soap

Date of Preparation: April 27, 2020

### SAFETY DATA SHEET

#### Section 1: IDENTIFICATION

**Product Name:** Worx Clean 'n' Gentle Liquid Hand Soap

**Synonyms:** Not available.

**Product Use:** Hand soap.

**Restrictions on Use:** Not available.

**Manufacturer/Supplier:** WORX ENVIRONMENTAL PRODUCTS, Inc.  
2305-52nd Avenue S.E., Bay 10  
Calgary, Alberta, Canada  
T2C 4X7

**Phone Number:** 800-424-9679  
403-273-7600

**Emergency Phone:** 800-424-9679  
403-273-7600

**Date of Preparation of SDS:** April 27, 2020

#### Section 2: HAZARD(S) IDENTIFICATION

##### GHS INFORMATION

The GHS classification below is intended for personnel handling bulk quantities of the product. For personal use, please follow the directions on individual product packaging. This SDS contains valuable information for the safe handling and storage of the product under normal workplace conditions as well as for unusual and unintended exposures such as large spills.

**Classification:** Skin Irritation, Category 2  
Eye Irritation, Category 2A

##### LABEL ELEMENTS

**Hazard**

**Pictogram(s):**



**Signal Word:** Warning

**Hazard Statements:** Causes skin irritation.  
Causes serious eye irritation.

##### Precautionary Statements

**Prevention:** Wash hands thoroughly after handling.  
Wear protective gloves, protective clothing and eye protection.

**Response:** IF ON SKIN: Wash with plenty of water.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If skin irritation occurs: Get medical attention.  
If eye irritation persists: Get medical attention.  
Take off contaminated clothing and wash it before reuse.



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**Storage:** Not applicable.

**Disposal:** Not applicable.

**Hazards Not Otherwise Classified:** Not applicable.

**Ingredients with Unknown Toxicity:** 20% of this product mixture consists of ingredient(s) of unknown acute toxicity.

This material is considered hazardous by the OSHA Hazard Communication Standard, (29 CFR 1910.1200).

This material is considered hazardous by the Hazardous Products Regulations.

**Section 3: COMPOSITION / INFORMATION ON INGREDIENTS**

Hazardous Ingredient(s)	Common name / Synonyms	CAS No.	% wt./wt.
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	Sodium C14-16 olefin sulfonate	68439-57-6	7 - 13
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., inner salts	Coco Amido Betaine	61789-40-0	3 - 7
Amides, coco, N,N-bis(hydroxyethyl)	Coconut diethanolamide	68603-42-9	0.1 - 1

Actual concentration range(s) withheld as a trade secret.

**Section 4: FIRST-AID MEASURES**

**Inhalation:** If used as recommended, no first-aid measures are necessary. If handling large amounts of product and vapour or spray/mist is inhaled, remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell.

**Acute and delayed symptoms and effects:** Normal use is not expected to cause any adverse effects.

**Eye Contact:** If in eyes: Rinse cautiously with water for at least 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

**Acute and delayed symptoms and effects:** Causes serious eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

**Skin Contact:** If used as recommended, no first-aid measures are necessary. If in contact with large amounts of product: Rinse skin with water or shower. Call a poison center or doctor if you feel unwell. Take off contaminated clothing and wash it before reuse.

**Acute and delayed symptoms and effects:** No adverse effects are expected under normal conditions of use. Handling of large amounts may cause skin dryness and/or irritation.



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**Ingestion:** If swallowed: Call a poison center or doctor if you feel unwell. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

**Acute and delayed symptoms and effects:** May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

**General Advice:** In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

**Note to Physicians:** Symptoms may not appear immediately.

**Section 5: FIRE-FIGHTING MEASURES**

**FLAMMABILITY AND EXPLOSION INFORMATION**

Not flammable or combustible by OSHA/WHMIS criteria.

**Sensitivity to Mechanical Impact:** This material is not sensitive to mechanical impact.

**Sensitivity to Static Discharge:** This material is not sensitive to static discharge.

**MEANS OF EXTINCTION**

**Suitable Extinguishing Media:** Small Fire: Dry chemical, CO2, water spray or regular foam.

Large Fire: Water spray, fog or regular foam. Move containers from fire area if you can do it without risk.

**Unsuitable Extinguishing Media:** Not available.

**Products of Combustion:** Oxides of carbon. Oxides of sulphur. Oxides of nitrogen. Sodium oxide.

**Protection of Firefighters:** Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.

**Section 6: ACCIDENTAL RELEASE MEASURES**

**Emergency Procedures:** Keep unauthorized personnel away. Ventilate closed spaces before entering.

**Personal Precautions:** Use personal protection recommended in Section 8.

**Environmental Precautions:** Keep out of drains, sewers, ditches, and waterways.

**Methods for Containment:** Stop leak if without risk. Do not flush to sewer or allow to enter waterways.

**Methods for Clean-Up:** Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

**Other Information:** See Section 13 for disposal considerations.

**Section 7: HANDLING AND STORAGE**

**Handling:**

Do not swallow. Do not handle until all safety precautions have been read and understood. Wash hands thoroughly after handling large amounts. See Section 8 for information on Personal Protective Equipment.

**Storage:**

Store locked up. Store away from incompatible materials. See Section 10 for information on Incompatible Materials. Keep out of the reach of children.

**Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure Guidelines**

**Component**

Sodium C14-16 olefin sulfonate [CAS No. 68439-57-6]

**ACGIH:** No TLV established.

**OSHA:** No PEL established.

Coco Amido Betaine [CAS No. 61789-40-0]

**ACGIH:** No TLV established.

**OSHA:** No PEL established.

Coconut diethanolamide [CAS No. 68603-42-9]

**ACGIH:** No TLV established.

**OSHA:** No PEL established.

**PEL:** Permissible Exposure Limit

**TLV:** Threshold Limit Value

**Engineering Controls:** Not normally required.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**



**Eye/Face Protection:**

Wear chemical safety goggles when handling large amounts of product. Ensure that eyewash stations are close to the workstation location. Use equipment for eye protection that meets the standards referenced by CSA Standard CAN/CSA-Z94.3-92 and OSHA regulations in 29 CFR 1910.133 for Personal Protective Equipment.

**Hand Protection:**

Wear protective gloves when handling large amounts of product. Consult manufacturer specifications for further information.

**Skin and Body Protection:**

Wear protective clothing when handling large amounts of product.



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#### Respiratory Protection:

Not required under normal use conditions. If handling large amounts of product and engineering controls and ventilation are not sufficient to control exposure to below the allowable limits then an appropriate NIOSH/MSHA approved air-purifying respirator that meets the requirements of CSA Standard CAN/CSA-Z94.4-11, or self-contained breathing apparatus must be used.

#### General Hygiene Considerations:

Handle according to established industrial hygiene and safety practices. Consult a competent industrial hygienist to determine hazard potential and/or the PPE manufacturers to ensure adequate protection.

### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Thick liquid.
<b>Colour:</b>	White creamy.
<b>Odour:</b>	Not available.
<b>Odour Threshold:</b>	Not available.
<b>Physical State:</b>	Liquid.
<b>pH:</b>	8.92
<b>Melting Point / Freezing Point:</b>	Not available.
<b>Initial Boiling Point:</b>	Not available.
<b>Boiling Range:</b>	Not available.
<b>Flash Point:</b>	Not available.
<b>Evaporation Rate:</b>	Not available.
<b>Flammability (solid, gas):</b>	Not applicable.
<b>Lower Flammability Limit:</b>	Not available.
<b>Upper Flammability Limit:</b>	Not available.
<b>Vapor Pressure:</b>	Not available.
<b>Vapor Density:</b>	Not available.
<b>Relative Density:</b>	1.04 (Water = 1)
<b>Solubilities:</b>	Soluble in water.
<b>Partition Coefficient: n-Octanol/Water:</b>	Not available.
<b>Auto-ignition Temperature:</b>	Not available.
<b>Decomposition Temperature:</b>	Not available.



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**Viscosity:** 83 cP at 22 °C (71.6 °F)

**Percent Volatile, wt. %:** Not available.

**VOC content, wt. %:** Not available.

**Density:** Not available.

**Coefficient of Water/Oil Distribution:** Not available.

**Section 10: STABILITY AND REACTIVITY**

**Reactivity:** Contact with incompatible materials. Exposure to heat.

**Chemical Stability:** Stable under normal storage conditions.

**Possibility of Hazardous Reactions:** None known.

**Conditions to Avoid:** Contact with incompatible materials. Exposure to heat.

**Incompatible Materials:** Strong oxidizers.

**Hazardous Decomposition Products:** Not available.

**Section 11: TOXICOLOGICAL INFORMATION**

**EFFECTS OF ACUTE EXPOSURE**

**Product Toxicity**

**Oral:** Not available.

**Dermal:** Not available.

**Inhalation:** Not available.

**Component Toxicity**

Component	CAS No.	LD <sub>50</sub> oral	LD <sub>50</sub> dermal	LC <sub>50</sub>
Sodium C14-16 olefin sulfonate	68439-57-6	Not available.	Not available.	Not available.
Coco Amido Betaine	61789-40-0	Not available.	Not available.	Not available.
Coconut diethanolamide	68603-42-9	12.4 mL/kg (rat)	Not available.	Not available.

**Likely Routes of Exposure:** Eye contact. Skin contact. Inhalation. Ingestion.

**Target Organs:** Skin. Eyes. Gastrointestinal tract. Respiratory system.

**Symptoms (including delayed and immediate effects)**

**Inhalation:** Normal use is not expected to cause any adverse effects.

**Eye:** Causes serious eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

**Skin:** No adverse effects are expected under normal conditions of use. Handling of large amounts may cause skin dryness and/or irritation.



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**Ingestion:** May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

**Skin Sensitization:** Not available.

**Respiratory Sensitization:** Not available.

**Medical Conditions Aggravated By Exposure:** Not available.

**EFFECTS OF CHRONIC EXPOSURE (from short and long-term exposure)**

**Target Organs:** Skin. Eyes. Gastrointestinal tract. Respiratory system.

**Chronic Effects:** Prolonged or repeated contact may dry skin and cause irritation.

**Carcinogenicity:** Product is not classified as a carcinogen. See Component Carcinogenicity table below for information on individual components.

**Component Carcinogenicity**

Component	ACGIH	IARC	NTP	OSHA	Prop 65
Coconut diethanolamide	Not listed.	Group 2B	Not listed.	OSHA Carcinogen.	Listed.

**Mutagenicity:** Not available.

**Reproductive Effects:** Not available.

**Developmental Effects**

**Teratogenicity:** Not available.

**Embryotoxicity:** Not available.

**Toxicologically Synergistic Materials:** Not available.

**Section 12: ECOLOGICAL INFORMATION**

**Ecotoxicity:** Not available.

**Persistence / Degradability:** Not available.

**Bioaccumulation / Accumulation:** Not available.

**Mobility in Environment:** Not available.

**Other Adverse Effects:** Not available.

**Section 13: DISPOSAL CONSIDERATIONS**

**Disposal Instructions:** Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.



**Section 14: TRANSPORT INFORMATION**

**U.S. Department of Transportation (DOT)**

**Proper Shipping Name:** Not regulated.  
**Class:** Not applicable.  
**UN Number:** Not applicable.  
**Packing Group:** Not applicable.  
**Label Code:** Not applicable.

**Canada Transportation of Dangerous Goods (TDG)**

**Proper Shipping Name:** Not regulated.  
**Class:** Not applicable.  
**UN Number:** Not applicable.  
**Packing Group:** Not applicable.  
**Label Code:** Not applicable.

**Section 15: REGULATORY INFORMATION**

**Chemical Inventories**

**US (TSCA)**

The components of this product are in compliance with the chemical notification requirements of TSCA.

**Canada (DSL)**

The components of this product are in compliance with the chemical notification requirements of the NSN Regulations under CEPA, 1999.

**Federal Regulations**

**United States**

This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**SARA Title III**

No components are listed.

**State Regulations**

**Massachusetts**

US Massachusetts Commonwealth's Right-to-Know Law (Appendix A to 105 Code of Massachusetts Regulations Section 670.000)

**Component**

Coconut diethanolamide

**CAS No.**

68603-42-9

**RTK List**

Listed.





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**New Jersey**

US New Jersey Worker and Community Right-to-Know Act (New Jersey Statute Annotated Section 34:5A-5)

No components are listed.

**Pennsylvania**

US Pennsylvania Worker and Community Right-to-Know Law (34 Pa. Code Chap. 301-323)

<b>Component</b>	<b>CAS No.</b>	<b>RTK List</b>
Coconut diethanolamide	68603-42-9	Listed.

**Section 16: OTHER INFORMATION**

**Disclaimer:**

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for their own particular use.

**Date of Preparation of SDS:** April 27, 2020  
**Version:** 1.0  
**GHS SDS Prepared by:** Deerfoot Consulting Inc.  
**Phone:** (403) 720-3700