



## Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 12/04/2018

Reviewed on 11/26/2018

### 1 Identification

**Product Identifier****Trade Name:** Charlie's Soap Laundry Liquid**Relevant identified uses of the substance or mixture and uses advised against:****Product Description:**

Laundry detergent

The product contains no VOC's.

pH 9.0 at 1% solution

**Details of the Supplier of the Safety Data Sheet:****Manufacturer/Supplier:**

Sutherland Products, Inc. dba Charlie's Soap

301 S Henry St.

Stoneville, NC 27048 USA

336-548-6035

www.charliesoap.com

**Emergency telephone number:**

Chemtel (800) 255-3924

International: +01 (813) 248-0584

### \* 2 Hazard(s) Identification

**Classification of the substance or mixture:**

Eye Irrit. 2B H320 Causes eye irritation.

Aquatic Acute 3 H402 Harmful to aquatic life.

**Label elements:****GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

**Hazard pictograms:** Non-Regulated Material**Signal word:** Warning**Hazard statements:**

H320 Causes eye irritation.

H402 Harmful to aquatic life.

**Precautionary statements:**

P264 Wash thoroughly after handling.

P273 Avoid release to the environment.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Unknown acute toxicity:**

This value refers to knowledge of known, established toxicological or ecotoxicological values.

0 % of the mixture consists of component(s) of unknown toxicity.

**Classification system:** NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme**NFPA ratings (scale 0 - 4)**

Health = 1

Fire = 0

Reactivity = 0

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**Trade Name: Charlie's Soap Laundry Liquid****· HMIS-ratings (scale 0 - 4)**

HEALTH	1	Health = 1
FIRE	0	Fire = 0
REACTIVITY	0	Physical Hazard = 0

**· Hazard(s) not otherwise classified (HNOC): None****\* 3 Composition/Information on Ingredients****· Chemical characterization: Mixtures****· Description:** Mixture of substances listed below with non-hazardous additions.**· Dangerous Components:**

68551-12-2	alcohols, C12-16, ethoxylated ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Aquatic Acute 2, H401	≤10.0%
497-19-8	Sodium carbonate ⚠ Eye Irrit. 2A, H319	≤5.0%

**· Additional information:**

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

**\* 4 First-Aid Measures****· Description of first aid measures****· After inhalation:** Supply fresh air; consult doctor in case of complaints.**· After skin contact:**

Rinse with warm water.

If skin irritation occurs, consult a doctor.

**· After eye contact:**

If easy to do so, remove contact lenses if worn.

If eye irritation occurs, consult a doctor.

Rinse opened eye for several minutes under running water.

**· After swallowing:** If swallowed and symptoms occur, consult a doctor.**· Information for doctor****· Most important symptoms and effects, both acute and delayed:** No further relevant information available.**· Indication of any immediate medical attention and special treatment needed:**

No further relevant information available.

**\* 5 Fire-Fighting Measures****· Extinguishing media****· Suitable extinguishing agents:** Use fire fighting measures that suit the environment.**· For safety reasons unsuitable extinguishing agents:** No further relevant information.**· Special hazards arising from the substance or mixture:** No further relevant information available.**· Advice for firefighters****· Special protective equipment for firefighters:**

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

**\* 6 Accidental Release Measures****· Personal precautions, protective equipment and emergency procedures:** Not required.**· Environmental precautions:**

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/surface or ground water.

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- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).  
Dispose of the collected material according to regulations.
- **Reference to other sections:**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

· <b>PAC-1:</b>		
497-19-8	Sodium carbonate	7.6 mg/m <sup>3</sup>
· <b>PAC-2:</b>		
497-19-8	Sodium carbonate	83 mg/m <sup>3</sup>
· <b>PAC-3:</b>		
497-19-8	Sodium carbonate	500 mg/m <sup>3</sup>

## 7 Handling and Storage

- **Handling**
- **Precautions for safe handling:** No special precautions are necessary if used correctly.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** Store in the original container.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s):** No further relevant information available.

## \* 8 Exposure Controls/Personal Protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters:**
- **Components with occupational exposure limits:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation of this SDS were used as basis.
- **Exposure controls:**
- **Personal protective equipment**
- **General protective and hygienic measures:**  
The usual precautionary measures for handling chemicals should be followed.  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing and wash before reuse.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes.
- **Breathing equipment:** Not required.
- **Protection of hands:** Not required.
- **Material of gloves:** Not applicable.
- **Penetration time of glove material:** Not applicable.

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**Trade Name: Charlie's Soap Laundry Liquid**

**· Eye protection:**



Tightly sealed goggles

**· Limitation and supervision of exposure into the environment:**

Keep away from drains, surface and ground waters.  
Avoid release into the environment.

**\* 9 Physical and Chemical Properties**

**· Information on basic physical and chemical properties**

**· General Information**

**· Appearance:**

<b>Form:</b>	Liquid
<b>Color:</b>	Clear
<b>· Odour:</b>	Sweetish
<b>· Odor threshold:</b>	Not determined.

**· pH-value @ 20 °C (68 °F):** 9

**· Change in condition**

<b>Melting point/Melting range:</b>	Not determined.
<b>Boiling point/Boiling range:</b>	≥100 °C (≥212 °F)

**· Solidification point:**

**Pouring point** -3 C

**· Flash point:** >100 °C (>212 °F)

**· Flammability (solid, gaseous):** Not applicable.

**· Ignition temperature:** Not applicable

**· Decomposition temperature:** Not determined.

**· Auto igniting:** Product is not self-igniting.

**· Danger of explosion:** Product does not present an explosion hazard.

**· Explosion limits:**

<b>Lower:</b>	0.0 Vol %
<b>Upper:</b>	0.0 Vol %

**· Vapor pressure @ 20 °C (68 °F):** ≤23 hPa (≤17.3 mm Hg)

**· Density @ 20 °C (68 °F):** 1.0486 g/cm<sup>3</sup> (8.7506 lbs/gal)

**· Relative density:** Not determined.

**· Vapor density:** Not determined.

**· Evaporation rate:** Not determined.

**· Solubility in / Miscibility with:**

**Water:** Miscible

**· Partition coefficient (n-octanol/water):** Not determined.

**· Viscosity:**

<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.

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- **Solvent content:**
  - Water:** 75-85 %
  - VOC content:** 0.00 %  
0.0 g/l / 0.00 lb/gal
- **Solids content:** 6-15 %
- **Other information:** No further relevant information available.

## \* 10 Stability and Reactivity

- **Reactivity:** The product is stable under normal conditions
- **Chemical stability:** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:**
  - Strong acids
  - Strong oxidizing agents.
- **Hazardous decomposition products:** No dangerous decomposition products known.

## \* 11 Toxicological Information

- **Information on toxicological effects:**
- **Acute toxicity:**

<b>LD/LC50 values that are relevant for classification:</b>		
<b>68551-12-2 alcohols, C12-16, ethoxylated</b>		
Oral	LD50	>2,000 mg/kg (Rat)
<b>497-19-8 Sodium carbonate</b>		
Oral	LD50	4,090 mg/kg (Rat)
Inhalative	LC50/96 hours	300 mg/l (Fathead Minnow)

- **Primary irritant effect:**
- **On the skin:** May be irritating.
- **On the eye:** Irritating effect.
- **Additional toxicological information:**  
The product shows the following dangers according to internally approved calculation methods for preparations:  
Irritant

- **Carcinogenic categories:**

<b>IARC (International Agency for Research on Cancer):</b>
None of the ingredients are listed.

<b>NTP (National Toxicology Program):</b>
None of the ingredients are listed.

<b>OSHA-Ca (Occupational Safety &amp; Health Administration):</b>
None of the ingredients are listed.

## \* 12 Ecological Information

- **Toxicity:**
- **Aquatic toxicity:**  
Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.



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<b>68551-12-2 alcohols, C12-16, ethoxylated</b>
EC50   1 mg/l (Daphnia)
<b>497-19-8 Sodium carbonate</b>
EC50   227 mg/l (Daphnia)

- **Persistence and degradability:** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.  
Harmful to aquatic organisms
- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects:** No further relevant information available.

## \* 13 Disposal Considerations

- **Waste treatment methods**
- **Recommendation:**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.  
Observe all federal, state and local environmental regulations when disposing of this material.
- **Uncleaned packaging**
- **Recommendation:** Disposal must be made according to official regulations.

## \* 14 Transport Information

- **UN-Number:**
- **DOT, ADR/ADN, ADN, IMDG, IATA** Non-Regulated Material
- **UN proper shipping name:**
- **DOT, ADN, IMDG, IATA** Non-Regulated Material
- **ADR/ADN** UN-
- **Transport hazard class(es):**
- **DOT, ADR/ADN, ADN, IMDG, IATA**
- **Class:** Non-Regulated Material
- **Packing group:**
- **DOT, ADR/ADN, IMDG, IATA** Non-Regulated Material
- **Environmental hazards:** Not applicable.
- **Special precautions for user:** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.
- **UN "Model Regulation":** Non-Regulated Material

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## \* 15 Regulatory Information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
- **SARA (Superfund Amendments and Reauthorization):**

· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed or exempt from listing.

· **California Proposition 65:**

· **Chemicals known to cause cancer:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

· **New Jersey Right-to-Know List:**

None of the ingredients are listed.

· **New Jersey Special Hazardous Substance List:**

None of the ingredients are listed.

· **Pennsylvania Right-to-Know List:**

None of the ingredients are listed.

· **Pennsylvania Special Hazardous Substance List:**

None of the ingredients are listed.

· **Carcinogenic categories:**

· **EPA (Environmental Protection Agency):**

None of the ingredients are listed.

· **TLV (Threshold Limit Value established by ACGIH):**

None of the ingredients are listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health):**

None of the ingredients are listed.

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms:** Non-Regulated Material

· **Signal word:** Warning

· **Hazard statements:**

- H320 Causes eye irritation.
- H402 Harmful to aquatic life.

· **Precautionary statements:**

- P264 Wash thoroughly after handling.





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- P273 Avoid release to the environment.  
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**· National regulations:**

None of the ingredients are listed.

- Chemical safety assessment:**
- A Chemical Safety Assessment has not been carried out.

**16 Other Information**

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

- Date of preparation / last revision:**
- 12/04/2018 / 8

**· Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road  
ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
ACGIH: American Conference of Governmental Industrial Hygienists  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
VOC: Volatile Organic Compounds (USA, EU)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
NIOSH: National Institute for Occupational Safety and Health  
OSHA: Occupational Safety & Health Administration  
TLV: Threshold Limit Value  
PEL: Permissible Exposure Limit  
REL: Recommended Exposure Limit  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A  
Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B  
Aquatic Acute 2: Hazardous to the aquatic environment - acute aquatic hazard – Category 2  
Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard – Category 3

- \* Data compared to the previous version altered.**

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