1 Identification

- **Product identifier**
  - **Trade name**: Charlie’s Soap Laundry Powder
  - **Relevant identified uses of the substance or mixture and uses advised against**
  - **Product description**: Laundry detergent

- **Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:** Charlie’s Soap, Inc.
    203 N 1st Avenue
    Mayodan, NC 27027 USA
    336-548-6035
    www.charliesoap.com
  - **Emergency telephone number:** 800-854-3541

2 Hazard(s) identification

- **Classification of the substance or mixture**
  
  ![GHS07](image)

  - Skin Irrit. 2 H315 Causes skin irritation.
  - Eye Irrit. 2A H319 Causes serious eye irritation.

- **Label elements**
  - **GHS label elements**
    The product is classified and labeled according to the Globally Harmonized System (GHS).
  - **Hazard pictograms**
    ![GHS07](image)

- **Signal word** Warning

- **Hazard-determining components of labeling:**
  - C12-15 Alcohol Ethoxylate
disodium metasilicate
- **Hazard statements**
  - Causes skin irritation.
  - Causes serious eye irritation.

- **Precautionary statements**
  - Wear protective gloves.
  - Wear eye protection / face protection.
  - Wash thoroughly after handling.
  - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - Specific treatment (see on this label).
  - If skin irritation occurs: Get medical advice/attention.
  - If eye irritation persists: Get medical advice/attention.
  - If on skin: Wash with plenty of water.
  - Take off contaminated clothing and wash it before reuse.

(Contd. on page 2)
Safety Data Sheet (SDS)
OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Printing date 01/13/2015 Reviewed on 01/09/2015

Trade name: Charlie’s Soap Laundry Powder

- **Unknown acute toxicity:**
  0 percent of the mixture consists of ingredient(s) of unknown toxicity.

- **Classification system:**
  - **NFPA ratings (scale 0 - 4)**
    - Health = 1
    - Fire = 0
    - Reactivity = 0
  - **HMIS-ratings (scale 0 - 4)**
    - HEALTH
    - Fire = 0
    - Reactivity = 0

- **Other hazards** None

3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
  - **Description:** Mixture of substances listed below with nonhazardous additions.

<table>
<thead>
<tr>
<th>Chemical Component</th>
<th>Percentage</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>497-19-8 sodium carbonate</td>
<td>75-85%</td>
<td>Eye Irrit. 2, H319</td>
</tr>
<tr>
<td>68131-39-5 C12-15 Alcohol Ethoxylate</td>
<td>5-15%</td>
<td>Eye Dam. 1, H318; Aquatic Acute 1, H400; Skin Irrit. 2, H315</td>
</tr>
<tr>
<td>6834-92-0 disodium metasilicate</td>
<td>1-10%</td>
<td>Skin Corr. 1B, H314; STOT SE 3, H335</td>
</tr>
</tbody>
</table>

4 First-aid measures

- **Description of first aid measures**
  - **After inhalation:** In case of unconsciousness, place patient securely on side position for transportation.
  - **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
  - **After eye contact:**
    Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.
  - **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:**
    CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
  - **Special hazards arising from the substance or mixture** No further relevant information available.
  - **Advice for firefighters**
  - **Protective equipment:**
    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.

(Contd. of page 1)
6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
  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.

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:** No special requirements.
    - **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 were used as basis.
- **Exposure controls**
  - **Personal protective equipment:**
    - **General protective and hygienic measures:**
      Keep away from foodstuffs, beverages and feed.
      Immediately remove all soiled and contaminated clothing.
      Wash hands before breaks and at the end of work.
      Avoid contact with the eyes and skin.
    - **Breathing equipment:** Not required.
    - **Protection of hands:**
      The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
      Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
      Select glove material based on penetration times, rates of diffusion and degradation.
- **Material of gloves**
  The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the
9 Physical and chemical properties

· Information on basic physical and chemical properties
· General Information
· Appearance:
  Form: Powder
  Color: White
· Odor: Light
· Odor threshold: Not determined.
· pH-value @ 20 °C (68 °F): 9.5-10.5
· Change in condition
  Melting point/Melting range: Not determined.
  Boiling point/Boiling range: 260 °C (500 °F)
· Flash point: Not applicable.
· Flammability (solid, gaseous): Not determined.
· Ignition temperature:
  Decomposition temperature: Not determined.
· Auto igniting: Product is not selfigniting.
· Danger of explosion: Product does not present an explosion hazard.
· Explosion limits:
  Lower: Not determined.
  Upper: Not determined.
· Vapor pressure: Not applicable.
· Density @ 20 °C (68 °F): 1.02 g/cm³ (8.512 lbs/gal)
· Relative density: Not determined.
· Vapour density: Not applicable.
· Evaporation rate: Not applicable.
· Solubility in / Miscibility with:
  Water: Fully miscible.
· Partition coefficient (n-octanol/water): Not determined.
· Viscosity:
  Dynamic: Not applicable.
  Kinematic: Not applicable.
· Solvent content:
  Organic solvents: 0.0 %
· Solids content: 100.0 %
· Other information
  No further relevant information available.
Trade name: Charlie’s Soap Laundry Powder

10 Stability and reactivity

- **Reactivity**: No further relevant information available.
- **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**
  - **LD/LC50 values that are relevant for classification**:
    - 497-19-8 sodium carbonate
      - Oral LD50 4090 mg/kg (rat)
    - 6834-92-0 disodium metasilicate
      - Oral LD50 1280 mg/kg (rat)
  - **Primary irritant effect**:
    - **on the skin**: Irritant to skin and mucous membranes.
    - **on the eye**: Irritating effect, Causes serious eye irritation.
  - **Additional toxicological information**: The product shows the following dangers according to internally approved calculation methods for preparations: Irritant
- **Carcinogenic categories**
  - **IARC (International Agency for Research on Cancer)**
    - None of the ingredients are listed.
  - **NTP (National Toxicology Program)**
    - None of the ingredients are listed.
  - **OSHA-Ca (Occupational Safety & Health Administration)**
    - None of the ingredients are listed.

12 Ecological information

- **Toxicity**
  - **Aquatic toxicity**: No further relevant information available.
  - **Persistence and degradability**: No further relevant information available.
  - **Behavior in environmental systems**: 
  - **Bioaccumulative potential**: No further relevant information available.
Trade name: Charlie's Soap Laundry Powder

- Mobility in soil: No further relevant information available.
- 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.
  - Results of PBT and vPvB assessment
    - PBT: Not applicable.
    - vPvB: Not applicable.
  - Other adverse effects: No further relevant information available.

13 Disposal considerations

- Uncleaned packagings:
  - Recommendation: Disposal must be made according to official regulations.

14 Transport information

- UN-Number
  - DOT, ADR, ADN, IMDG, IATA: Non-Regulated Material
  - UN proper shipping name
  - DOT, ADR, ADN, IMDG, IATA: Non-Regulated Material
  - Transport hazard class(es)
  - DOT, ADR, ADN, IMDG, IATA: Non-Regulated Material
  - Class
  - Packing group
  - DOT, ADR, IMDG, IATA: Non-Regulated Material
  - Environmental hazards:
    - Marine pollutant: No
  - 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": -

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
  - Sara
    - 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.
    - 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.

(Contd. on page 7)
Safety Data Sheet (SDS)
OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Printing date 01/13/2015 Reviewed on 01/09/2015

Trade name: Charlie’s Soap Laundry Powder

- **Chemicals known to cause developmental toxicity:**
  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**
  GHS07

- **Signal word** Warning

- **Hazard-determining components of labeling:**
  C12-15 Alcohol Ethoxylate
disodium metasilicate

- **Hazard statements**
  Causes skin irritation.
  Causes serious eye irritation.

- **Precautionary statements**
  Wear protective gloves.
  Wear eye protection / face protection.
  Wash thoroughly after handling.
  If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  Specific treatment (see on this label).
  If skin irritation occurs: Get medical advice/attention.
  If eye irritation persists: Get medical advice/attention.
  If on skin: Wash with plenty of water.
  Take off contaminated clothing and wash it before reuse.

- **National regulations:**
  The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

- **State Right to Know**
  All ingredients are listed.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.
Trade name: Charlie's Soap Laundry Powder

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 01/13/2015 / 1

Abbreviations and acronyms:
ADR: Accord européen sur le transport des marchandises dangereuses par Route (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)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
Aquatic Acute 1: Hazardous to the aquatic environment - Acute Hazard, Category 1

* Data compared to the previous version altered.

SDS created by MSDS Authoring Services     www.msdsauthoring.com     (877) 204-9106
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

· Details of the supplier of the safety data sheet
  · Manufacturer/Supplier:
    Charlie’s Soap, Inc.
    203 N 1st Avenue
    Mayodan, NC 27027 USA
    336-548-6035
    www.charliesoap.com
  · Emergency telephone number: 800-854-3541

2 Hazard(s) identification

· Classification of the substance or mixture
  · GHS07
  ∙ Skin Irrit. 2 H315 Causes skin irritation.
  ∙ Eye Irrit. 2B H320 Causes eye irritation.

· Label elements
  · GHS label elements
    The product is classified and labeled according to the Globally Harmonized System (GHS).
  · Hazard pictograms
    GHS07

· Signal word Warning

· Hazard-determining components of labeling:
  · C12-15 Alcohol Ethoxylate

· Hazard statements
  · Causes skin and eye irritation.

· Precautionary statements
  · Wear protective gloves.
  · Wash thoroughly after handling.
  · If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  · Specific treatment (see on this label).
  · If skin irritation occurs: Get medical advice/attention.
  · If eye irritation persists: Get medical advice/attention.
  · If on skin: Wash with plenty of water.
  · Take off contaminated clothing and wash it before reuse.

· Unknown acute toxicity:
  0 percent of the mixture consists of ingredient(s) of unknown toxicity.

(Contd. on page 2)
Trade name: Charlie's Soap Laundry Liquid

- **Classification system:**
  - NFPA ratings (scale 0 - 4)
    - Health = 1
    - Fire = 0
    - Reactivity = 0
  - HMIS-ratings (scale 0 - 4)
    - HEALTH
      - Health = 1
    - FIRE
      - Fire = 0
    - REACTIVITY
      - Reactivity = 0
  - Other hazards: None

### 3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** Mixture of substances listed below with nonhazardous additions.

#### Dangerous Components:

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>68131-39-5 C12-15 Alcohol Ethoxylate</td>
<td>10-20%</td>
</tr>
<tr>
<td>497-19-8 sodium carbonate</td>
<td>1-5%</td>
</tr>
</tbody>
</table>

- **Eye Dam. 1, H318; Aquatic Acute 1, H400; Skin Irrit. 2, H315**

### 4 First-aid measures

- **Description of first aid measures**
  - **After inhalation:** In case of unconsciousness, place patient securely on side position for transportation.
  - **After skin contact:**
    - Immediately wash skin with soap and plenty of water for at least 20 minutes.
    - Get medical attention if symptoms occur.
  - **After eye contact:**
    - Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.
  - **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:
    - CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
  - **Special hazards arising from the substance or mixture** No further relevant information available.
  - **Advice for firefighters**
  - **Protective equipment:**
    - 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:** Do not allow to enter sewers/ surface or ground water.
Trade name: Charlie's Soap Laundry Liquid

- **Methods and material for containment and cleaning up:**
  Absorb with liquid-binding material (ie. 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.

### 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:** No special requirements.
    - **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 were used as basis.
- **Exposure controls**
  - **Personal protective equipment:**
    - **General protective and hygienic measures:**
      Keep away from foodstuffs, beverages and feed.
      Immediately remove all soiled and contaminated clothing.
      Wash hands before breaks and at the end of work.
      Avoid contact with the eyes and skin.
    - **Breathing equipment:** Not required.
    - **Protection of hands:**
      - Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Select glove material based on penetration times, rates of diffusion and degradation.

- **Material of gloves**
  The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
Trade name: Charlie’s Soap Laundry Liquid

- **Penetration time of glove material**
  The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

- **Eye protection**: Tightly sealed goggles

### 9 Physical and chemical properties

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

  **General Information**

  **Appearance:**
  - **Form:** Liquid
  - **Color:** Clear
  - **Odor:** Sweetish
  - **Odor threshold:** Not determined.

  **pH-value @ 20 °C (68 °F):** 10.5-11.0

  **Change in condition**
  - **Melting point/Melting range:** Not determined.
  - **Boiling point/Boiling range:** 104 °C (219 °F)
  - **Solidification point:** Not determined.
  - **Pouring point:** -3 °C

  **Flash point:** Not applicable.

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

  **Ignition temperature:**
  - **Decomposition temperature:** Not determined.

  **Auto igniting:** Product is not selfigniting.

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

  **Explosion limits:**
  - **Lower:** 0.0 Vol %
  - **Upper:** 0.0 Vol %

  **Vapor pressure @ 20 °C (68 °F):** 23 hPa (17 mm Hg)

  **Density @ 20 °C (68 °F):** 1.02 g/cm³ (8.512 lbs/gal)

  **Relative density**
  - **Not determined.**

  **Vapour density**
  - **Not determined.**

  **Evaporation rate**
  - **Not determined.**

  **Solubility in / Miscibility with Water:** Not miscible or difficult to mix.

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

  **Viscosity:**
  - **Dynamic:** Not determined.
  - **Kinematic:** Not determined.

  **Solvent content:**
  - **Organic solvents:** 0.0 %
  - **Water:** 75-89 %

  **Other information**
  - **No further relevant information available.**
10 Stability and reactivity

- **Reactivity**: No further relevant information available.
- **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**:
  - **LD/LC50 values that are relevant for classification**:
    - **68131-39-5 C12-15 Alcohol Ethoxylate**
      - Oral LD50 500-2000 mg/kg (rat)
      - Dermal LD50 >2000 mg/kg (rat)
      - Inhalative LC50/4 h >20 mg/l (rat)
  - **Primary irritant effect**:
    - **on the skin**: Irritant to skin and mucous membranes.
    - **on the eye**: Irritating effect. Causes serious eye irritation.
  - **Additional toxicological information**: The product shows the following dangers according to internally approved calculation methods for preparations: Irritant.
- **Carcinogenic categories**
  - **IARC (International Agency for Research on Cancer)**: None of the ingredients are listed.
  - **NTP (National Toxicology Program)**: None of the ingredients are listed.
  - **OSHA-Ca (Occupational Safety & Health Administration)**: None of the ingredients are listed.

12 Ecological information

- **Toxicity**
  - **Aquatic toxicity**:
    - **68131-39-5 C12-15 Alcohol Ethoxylate**
      - EC50 1 mg/kg (daphnia)
Trade name: Charlie’s Soap Laundry Liquid

- **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.
- **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.
- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- **UN-Number**
  - **DOT, ADR, ADN, IMDG, IATA** Non-Regulated Material
  - **UN proper shipping name** Non-Regulated Material
  - **Transport hazard class(es)**
    - **DOT, ADR, ADN, IMDG, IATA** Non-Regulated Material
  - **Class** Non-Regulated Material
  - **Packing group**
  - **DOT, ADR, IMDG, IATA** Non-Regulated Material
  - **Environmental hazards:**
    - **Marine pollutant:** No
    - **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":** -

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - **Sara**
    - **Section 355 (extremely hazardous substances):**
  - **Section 313 (Specific toxic chemical listings):**
  - **TSCA (Toxic Substances Control Act):**
    - All ingredients are listed.
  - **Proposition 65**
  - **Chemicals known to cause cancer:**
    - None of the ingredients are listed.
Trade name: Charlie’s Soap Laundry Liquid

- **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.

- **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**
  GHS07

- **Signal word** Warning

- **Hazard-determining components of labeling:**
  C12-15 Alcohol Ethoxylate

- **Hazard statements**
  - Causes skin and eye irritation.

- **Precautionary statements**
  - Wear protective gloves.
  - Wash thoroughly after handling.
  - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - Specific treatment (see on this label).
  - If skin irritation occurs: Get medical advice/attention.
  - If eye irritation persists: Get medical advice/attention.
  - If on skin: Wash with plenty of water.
  - Take off contaminated clothing and wash it before reuse.

- **National regulations:**
  The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

- **State Right to Know**
  All 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
Trade name: Charlie’s Soap Laundry Liquid

this information and the suitability of the material or product for any particular purpose.

· Date of preparation / last revision 01/13/2015 / 1

· Abbreviations and acronyms:
  ADR: Accord européen sur le transport des marchandises dangereuses par Route (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)
  LC50: Lethal concentration, 50 percent
  LD50: Lethal dose, 50 percent
  Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
  Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
  Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
  Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B
  Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1

· * Data compared to the previous version altered.

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1 Identification

- Product identifier
  - Trade name: Charlie’s Soap Indoor/Outdoor Surface Cleaner
  - Relevant identified uses of the substance or mixture and uses advised against
  - Product description: Multi-purpose surface cleaner, degreaser.

- Details of the supplier of the safety data sheet
  - Manufacturer/Supplier: Charlie’s Soap, Inc.
    203 N 1st Avenue
    Mayodan, NC 27027 USA
    336-548-6035
    www.charliessoap.com
  - Emergency telephone number: 800-854-3541

2 Hazard(s) identification

- Classification of the substance or mixture
  - Eye Irrit. 2B H320 Causes eye irritation.

- 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-determining components of labeling:
  - C12-15 Alcohol Ethoxylate

- Precautionary statements
  - Causes eye irritation.
  - Wash thoroughly after handling.
  - If 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.

- Unknown acute toxicity:
  - 0 percent of the mixture consists of ingredient(s) of unknown toxicity.

- Classification system:
  - NFPA ratings (scale 0 - 4)
    - Health = 1
    - Fire = 0
    - Reactivity = 0
  - HMIS-ratings (scale 0 - 4)
    - HEALTH 1 Health = 1
    - FIRE 0 Fire = 0
    - REACTIVITY 0 Reactivity = 0
  - Other hazards: None

3 Composition/information on ingredients

- Chemical characterization: Mixtures
- Description: Mixture of substances listed below with nonhazardous additions.

(Contd. on page 2)
Trade name: Charlie’s Soap Indoor/Outdoor Surface Cleaner

4 First-aid measures

- Description of first aid measures
  - After inhalation: Supply fresh air; consult doctor in case of complaints.
  - After skin contact: Generally the product does not irritate the skin.
  - After eye contact:
    - Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.
  - After swallowing:
    - Rinse out mouth and then drink plenty of water.
    - Call a doctor if irritation or symptoms develop.
  - 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:
    - CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
  - Special hazards arising from the substance or mixture: No further relevant information available.
  - Advice for firefighters
  - Protective equipment:
    - 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:
    - Dilute with plenty of water.
    - Do not allow to enter sewers/surface or ground water.
  - Methods and material for containment and cleaning up:
    - Absorb with liquid-binding material (ie. 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.

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.
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 were used as basis.
- Exposure controls
  - Personal protective equipment:
    - General protective and hygienic measures:
      Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes. Avoid contact with the eyes and skin.
      Breathing equipment: Not required.
    - Protection of hands:
      The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Select glove material based on penetration times, rates of diffusion and degradation.
    - Material of gloves
      The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
    - Penetration time of glove material
      The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.
    - Eye protection: Tightly sealed goggles

9 Physical and chemical properties

- Information on basic physical and chemical properties
  - General Information
    - Appearance:
      Form: Liquid
      Color: Clear
      Odor: Sweetish
      Odor threshold: Not determined.
    - pH-value @ 20 °C (68 °F): 10.5-11.0
    - Change in condition
      Melting point/Melting range: Not determined.
Trade name: Charlie’s Soap Indoor/Outdoor Surface Cleaner

Boiling point/Boiling range: 104 °C (219 °F)
· Flash point: Not applicable.
· Flammability (solid, gaseous): Not applicable.
· Ignition temperature:
  · Decomposition temperature: Not determined.
· Auto igniting: Product is not selfigniting.
· Danger of explosion: Product does not present an explosion hazard.
· Explosion limits:
  · Lower: 0.0 Vol %
  · Upper: 0.0 Vol %
· Vapor pressure @ 20 °C (68 °F): 23 hPa (17 mm Hg)
· Density @ 20 °C (68 °F): 1.02 g/cm³ (8.512 lbs/gal)
· Relative density Not determined.
· Vapour density Not determined.
· Evaporation rate Not determined.
· Solubility in / Miscibility with Water: Fully miscible.
· Partition coefficient (n-octanol/water): Not determined.
· Viscosity:
  · Dynamic: Not determined.
  · Kinematic: Not determined.
· Solvent content:
  · Organic solvents: 0.0 %
  · Water: 90.0 %
· Solids content: 2.0 %
· Other information No further relevant information available.

*10 Stability and reactivity

· Reactivity No further relevant information available.
· 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 Will not polymerize.
· Incompatible materials:
  Strong acids
  Strong oxidizing agents.
· Hazardous decomposition products: No dangerous decomposition products known.

*11 Toxicological information

· Information on toxicological effects
  · Acute toxicity:
    · Primary irritant effect:
      · on the skin: No irritating effect.
Trade name: Charlie’s Soap Indoor/Outdoor Surface Cleaner

- on the eye:
  - Irritating effect.
  - Causes serious eye irritation.
- Additional toxicological information:
  - The product shows the following dangers according to internally approved calculation methods for preparations:
    - Irritant
- Carcinogenic categories
  - IARC (International Agency for Research on Cancer)
    - Group 1 - Carcinogenic to humans
    - Group 2A - Probably carcinogenic to humans
    - Group 2B - Possibly carcinogenic to humans
    - Group 3 - Not classifiable as to its carcinogenicity to humans
    - Group 4 - Probably not carcinogenic to humans
  - NTP (National Toxicology Program)
    - None of the ingredients are listed.
  - OSHA-Ca (Occupational Safety & Health Administration)
    - None of the ingredients are listed.

12 Ecological information

- Toxicity
  - Aquatic toxicity: No further relevant information available.
  - 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.
  - 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.
- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.
- Other adverse effects: No further relevant information available.

13 Disposal considerations

- Uncleaned packagings:
  - Recommendation: Disposal must be made according to official regulations.
  - Recommended cleansing agent: Water, if necessary with cleansing agents.

14 Transport information

- UN-Number
  - DOT, ADR, ADN, IMDG, IATA: Non-Regulated Material
- UN proper shipping name
- Transport hazard class(es)
- DOT, ADR, ADN, IMDG, IATA: Non-Regulated Material
- Class

(Contd. on page 4)
Trade name: Charlie's Soap Indoor/Outdoor Surface Cleaner

· Packing group
  · DOT, ADR, IMDG, IATA: Non-Regulated Material

· Environmental hazards:
  · Marine pollutant: No
  · 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": -

*15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture
  · Sara
    · 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.
  · 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.

· 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.

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· Hazard-determining components of labeling:
  C12-15 Alcohol Ethoxylate

· Hazard statements
  Causes eye irritation.

· Precautionary statements
  Wash thoroughly after handling.
### Trade name: Charlie’s Soap Indoor/Outdoor Surface Cleaner

If 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.

#### National regulations:
The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

#### State Right to Know

<table>
<thead>
<tr>
<th>CAS: 68131-39-5</th>
<th>C12-15 Alcohol Ethoxylate</th>
<th>Eye Dam. 1, H318; Aquatic Acute 1, H400; Skin Irrit. 2, H315</th>
<th>2-12%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS: 497-19-8</td>
<td>sodium carbonate</td>
<td>Eye Irrit. 2, H319</td>
<td>≤ 2.5%</td>
</tr>
<tr>
<td>CAS: 7732-18-5</td>
<td>water, distilled, conductivity or of similar purity</td>
<td></td>
<td>60-90%</td>
</tr>
</tbody>
</table>

All 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** 01/09/2015 / 1

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