**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product Name LUNA

Other means of identification : Not applicable

Recommended use : Liquid Laundry Detergent

Restrictions on use : For industrial and professional use

Company CD Chemical Solutions

4940 Jackson St

Denver, Colorado 80216

Emergency telephone (800) 535-5053

Poison control center (800)-222-1222

Issuing date 12/06/2015

**SECTION 2. HAZARDS IDENTIFICATION**

**GHS Classification**

Serious eye damage : Category 1

**GHS Label element**

Hazard pictograms :

Signal Word Warning

Hazard statements Causes serious eye damage

Precautionary Statements **: Prevention:**

 Wear eye protection/face protection

 : **Response:**

IF IN EYES: Rinse cautiously with water for several minutes.

 Remove contact lenses, if present and easy to do. Continue

 rinsing. Immediately call a POISON CENTER or doctor/physician.

**Other Hazards** : None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Pure Substance/Mixture : Mixture

**Chemical Name CAS-No. Concentration (%)**

alcohols, ethoxylate 68131-39-5 10-30

Sodium Xylene Sulfonate 1300-72-7 1-5

**SECTION 4. FIRST AID MEASURES**

In case of eye contactRinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

In case of skin contactRinse with plenty of water.

If swallowed Rinse mouth. Get medical attention if symptoms occur.

If inhaled Remove to frest air. Treat symptomatically. Get medical attention if symptoms occur.

Protection of First-Aiders No special precautions are necessary for first aid responders.

Notes to Physician Treat symptomatically.

Most important symptoms and : See Section 11 for more detailed information on health effects

effects, both acute and delayed and symptoms.

**SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing Media : Use extinguishing measures that are appropriate to local

 Circumstances and the surrounding environment.

Unsuitable extinguishing : None known

media

Specific hazards arising from the : Not flammable or combustible.

chemical

Hazardous combustion : Decomposition products may include the following materials:

products Carbon oxides

 Nitrogen oxides (NOx)

 Sulfur oxides

 Oxides of phosphorus

Specific fire-fighting methods : Use personal protective equipment

Special Protective Equipment : Fire residues and contaminated fire extinguishing water must be

For Fire-Fighters disposed of in accordance with local regulations.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective : Refer to protective measures listed in section 7 and 8.

equipment and emergency

procedures

Environmental precautions : Do not allow contact with soil, surface or ground water.

Methods and materials for : Stop leak if safe to do so. Contain spillage, and then collect with containment and cleaning up non-combustible absorbent material, (e.g. sand, earth,

 diatomaceous earth, vermiculite) and place in container for

 disposal according to local/ national regulations (see section 13).

 Flush away traces with water. For large spills, dike spilled material

 or otherwise contain material to ensure runoff does not reach a

 waterway.

**SECTION 7. HANDLING AND STORAGE**

Advice on Safe Handling Do not get in eyes, on skin, or on clothing. Wash hands thoroughly after handling.

Conditions for Safe Storage Keep out of reach of children. Store in suitable labeled

containers.

Storage Temperature 0 ̊C to 40 ̊C

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Ingredients with workplace control parameters**

Contains no substances with occupational exposure limits.

Engineering Measures None required

**Personal Protective Equipment**

Eye Protection : Safety goggles, Face shield

Hand Protection No special protective equipment required.

Skin Protection : No special protective equipment required.

Respiratory Protection No personal respiratory protective equipment normally required.

Hygiene Measures : Handle in accordance with good industrial hygiene and safety

 practice. Remove and wash contaminated clothing before re-use.

 Wash face, hands and any exposed skin thoroughly after

 handling. Provide suitable facilities for quick drenching or flushing

 of the eyes and body in case of contact or splash hazard.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : Liquid

Color : blue

Odor : mild

pH : 6.2 – 9.4, (100%)

Flash Point : > 100 ̊C

Odor Threshold : No data available

Melting Point/Freezing Point : No data available

Initial Boiling Point and : >100 ̊C (>212 ̊F) Boiling Range

Evaporation Rate : No data available

Flammability (solid, gas) : No data available

Upper Explosion Limit : No data available

Lower Explosion Limit : No data available

Vapor Pressure : No data available

Relative Vapor Density : No data available

Specific Gravity : 1.007

Relative Density : No data available

Water Solubility : soluble

Solubility in Other Solvents : No data available

Partition Coefficient: n- : No data available Octanol/Water

Autoignition Temperature : No data available

Thermal Decomposition : No data available

Viscosity, Kinematic : No data available

Explosive Properties : No data available

Oxidizing Properties : No data available

Molecular Weight : No data available

VOC : None

**SECTION 10. STABILITY AND REACTIVITY**

Chemical Stability : Stable under normal conditions

Possibility of hazardous : No dangerous reaction known under conditions of normal use.

reactions

Conditions to avoid : None known

Incompatible materials : None known

Hazardous decomposition : Under normal conditions of storage and use, hazardous

products decomposition products should not be produced.

**SECTION 11. TOXICOLOGICAL INFORMATION**

Information on likely routes of : Inhalation, Eye contact, Skin contact

exposure

**Potential Health Effects**

Eyes : Causes serious eye damage.

Skin : Health injuries are not known or expected under normal use.

Ingestion : Health injuries are not known or expected under normal use.

Inhalation : Health injuries are not known or expected under normal use.

Chronic exposure **:** Health injuries are not known or expected under normal use.

**Experience with human exposure**

Eye contact : Redness, pain, corrosion.

Skin Contact : No symptoms known or expected

Ingestion : No symptoms known or expected

Inhalation  **:** No symptoms known or expected

**Toxicity**

**Product/ingredient name**

alcohols, ethoxylated LD50 Dermal Rabbit >2000 mg/kg

 LD50 Oral Rat 1100 mg/kg

LC50 Inhalation Rat >1.1 mg/l

Acute oral toxicity : Acute toxicity estimate : > 3,930 mg/kg

Acute inhalation toxicity : 4 h Acute toxicity estimate : > 40 mg/l

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

Skin corrosion/irritation : No data available

Serious eye damage/eye : No data available

Irritation

Respiratory or skin : No data available

sensitization

Carcinogenicity : No data available

Reproductive effects : No data available

Germ cell mutagenicity : No data available

Teratogenicity : No data available

STOT –single exposure : No data available

STOT –repeated exposure : No data available

Aspiration toxicity : No data available

**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Environmental Effects : Harmful to aquatic life.

**Product**

Toxicity to fish : No data available

Toxicity to daphnia and other : No data available

aquatic invertebrates

Toxicity to algae : No data available

**Ecotoxicity :** This material is harmful to aquatic life.

**Ingredients**

**Product/ingredient name Result Species exposure**

 alcohols, ethoxylated acute LC50 1.5 mg/l Fish 96 hours

Persistence and degradability

Biodegradable

Bioaccumulative potential

No data available

Mobility in soil

No data available

**Other adverse effects**

no data available

**SECTION 13. DISPOSAL CONSIDERATIONS**

Disposal methods : The product should not be allowed to enter drains, water courses

 or the soil.

Disposal Considerations : Dispose of in accordance with local, state, and federal regulations.

**SECTION 14. TRANSPORT INFORMATION**

This shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

**(DOT)**

**DOT Classification Not regulated**

**(IMDG/IMO) Not regulated**

**SECTION 15. REGULATORY INFORMATION**

**EPCRA – Emergency Planning and Community Right-to-Know**

**CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ

**SARA 304 Extremely Hazardous Substance Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ

**SARA 311/312 Hazards :**  No SARA Hazards

**SARA 302 :** No chemicals in this material are subject to the reporting

 requirements of SARA Title lll, Section 302.

**SARA 313 :** The following components are subject to reporting levels

 established by SARA Title lll, Section 313:

**California Prop 65**

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other

reproductive defects.

**The ingredients of this product are reported in the following inventories:**

**United States TSCA Inventory :**

On TSCA Inventory

**Canadian Domestic Substances List (DSL) :**

This product contains one or several components listed in the Canadian NDSL.

**SECTION 16. OTHER INFORMATION**

**Hazardous Material :**

**Information System (U.S.A)**

 **Health 3**

 **Flammability**  **0**

 **Physical Hazards** **0**

**NFPA:**

 **Flammability**

**3**

**Instability/**

**Reactivity**

**Health**

**0**

**0**

 **Special Hazard**

Issuing date : December 06, 2015

Version : 1.0

Prepared by : Specialty Chemicals & Systems

Notice to reader

The information provided in this Safety Data Sheet is correct to the best of our knowledge., information and belief at the date of its publication. The information given is designed only as a guidance for safe handling,

Use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality

Specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.