**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product Name : **ECOSUDS**

Other means of identification : Not applicable

Recommended use : Manual dishwashing detergent

Restrictions on use : For industrial and professional use

Company West Chem Loveland

2032 Alta Court

Loveland, CO 80538

Emergency telephone (970) 490-9096

Poison control center (800)-222-1222

Issuing date 04/1/2015

**SECTION 2. HAZARDS IDENTIFICATION**

**GHS Classification SERIOUS EYE DAMAGE /EYE IRRITATION**

 **Category 2B**

**GHS Label elements**

**Signal word** Warning

**Hazard statement** Causes eye irritation

**Precautionary Statements** : **Prevention:**

 **:** Wash hands thoroughly after handling.

 : **Response:**

 **:** 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 attention.

**Other hazards** : None known

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

Pure Substance/Mixture : Mixture

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

Sodium Alkylbenzene Sulfonate 25155-30-0 5-15

Sodium Lauryl ether Sulfate 9004-82-4 5-15

Cocamine oxide 61788-90-7 1-5

**SECTION 4. FIRST AID MEASURES**

In case of eye contact : Rinse with plenty of water.

In case of skin contact : Rinse with plenty of water.

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

If inhaled : Get medical attention if symptoms occur.

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

Notes to Physician : No specific measures identified.

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 : No special environmental precautions required.

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 : Wash hands thoroughly after handling. Use only with adequate

 ventilation.

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

 containers.

Storage Temperature : Store between the following temperatures: 5 ̊C and 35 ̊C

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

**Ingredients with workplace control parameters None**

Engineering Measures None

**Personal Protective Equipment**

Eye Protection : No special protective equipment required.

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 Wash hands before breaks and immediately after handling the

 product.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance Liquid

Color Blue green

Odor : Mild

pH : 6.2 – 9.4, 100%

Flash Point : Not applicable

Odor Threshold : No data available

Melting Point/Freezing Point : No data available

Initial Boiling Point and >100 ̊C

 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 : 1.019

Relative Density : 1.026 to 1.046 (water)

Water Solubility : soluble

Solubility in Other Solvents : No data available

Partition Coefficient: n No data available

Octanol/Water No dta available

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 Carbon oxides

Products Nitrogen oxides (NOx)

 Sulfur oxides

**SECTION 11. TOXICOLOGICAL INFORMATION**

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

exposure

**Potential Health Effects**

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

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 : No symptoms known or expected

Skin Contact : No symptoms known or expected

Ingestion : No symptoms known or expected

Inhalation  **:** No symptoms known or expected

**Toxicity data**

Benzenesulfonic acid, dimethyl sodium salt LC50 Inhalation Rat 6.2mg/kg

Dusts and mists

LD50 Dermal Rabbit 2000mg/kg

Ld50 Oral Rat 7000mg/kg

Amines, coco alkyldimethyl, n-oxides LD50 Dermal Rat 2174mg/kg

 LD50 Oral Rat 846mg/kg

Sodium laurylether sulfate LD50 dermal Rat 2000mg/kg

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 **:** Toxic to aquatic life.

**Aquatic and terrestrial toxicity**

**Product/ingredients name Result Species Exposure**

Benzenesulfonic acid, dimethyl sodium salt Acute EC50 230mg/l Aquatic plants 96 hours Amines, coco alkyldimethyl, n-oxides Acute LC50 <1mg/l Fish 96 hours

Sodium laurylether sulfate Acute LC50 28 mg/l Fish 96 hours

Persistence and degradability

Biodegradable

Bioaccumulative potential

no data available

Mobility in soil

no data available

**Other adverse effects** No known significant effects or critical hazards**.**

**SECTION 13. DISPOSAL CONSIDERATIONS**

Disposal methods The product should not be allowed to enter storm 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.

**Land transport (DOT)**

Not regulated

**Sea transport (IMDG/IMO)**

Not regulated

**SECTION 15. REGULATORY INFORMATION**

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

**SARA 304 Extremely Hazardous Substance 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 :**  Acute Health Hazard

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

 requirements of SARA Title lll, Section 302.

**SARA 313 :** This material does not contain any chemical components with

 known CAS numbers that exceed the threshold (De Minimus)

 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) :**

All components of this product are on the Canadian DSL.

**SECTION 16. OTHER INFORMATION**

**Hazardous Material :**

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

 **Health 1**

 **Flammability**  **0**

 **Physical Hazards** **0**

**NFPA:**

 **Flammability**

**13**

**Instability/**

**Reactivity**

**Health**

**0**

**0**

 **Special Hazard**

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Prepared by : Specialty Chemicals & Systems

Notice to reader

The information provided in this Material 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.