**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product Name : **SILVER SOLID**

Other Means of Identification : Not applicable

Recommended Use : Silverware presoak

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**

Eye Irritation **:** Category 2B

**GHS Label elements**

**Signal word** : Warning

**Hazard Statements** : Causes eye Irritation

**Precautionary Statements**

**Prevention:** Wash skin 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

advice/ attention.

**Other Hazards** : None known.

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

**Substance/Mixture** : Mixture

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

Sodium carbonate 497-19-8 60-100

Alcohol ethoxylate 68439-51-0 1-5

**SECTION 4. FIRST AID MEASURES**

In case of Eye Contact Rinse immediately with plenty of water.

In case of skin contactRinse with plenty of water.

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

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

Notes to Physician Treat symptomatically.

**See toxicological information (section 11)**

**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 during fire : Not flammable or combustible.

Fighting

Hazardous CombustionDecomposition products may include the following materials:

Products Carbon dioxide

Oxides of phosphorus

Sulfur oxides

Special Protective Equipment Use personal protective equipment.

for Fire-Fighters

Specific extinguishing methods Fire residues and contaminated extinguishing water must be

 Disposed of in accordance with local regulations. In the event

 of fire and/or explosion do not breathe fumes.

**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** : Use water rinse for final clean-up

**Final Clean Up**

**SECTION 7. HANDLING AND STORAGE**

Advice on Safe Handling Wash hands thoroughly after handling.

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

Storage Temperatures Store between the following temperatures: 0 ̊C and 50 ̊C.

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

**Ingredients with workplace control parameters** None

Engineering measures Good general ventilation should be sufficient to control worker

exposure to airborne contaminants.

**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 Handle in accordance with good industrial hygiene and safety practice.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance Solid

Color : Blue

Odor : odorless

pH : 11.5(1.0%)

Flash Point : Not aplicable

Odor Threshold : No data available

Melting point/freezing point : No data available

Initial boiling point and : No data available 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 Not aplicable

Relative density : No data available

Water solubility : Complete

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 Under normal conditions of storage and use, hazardous reactions

Reactions will not occur.

Conditions to Avoid : None known

Materials to avoidReactive or incompatible with the following materials: acids.

Hazardous Decomposition : Decomposition products may include the following

 Carbon dioxide, oxides of phosphorus, sulfur osides.

**SECTION 11. TOXICOLOGICAL INFORMATION**

Information on likely routes of Eye contact,skin contact

exposure

**Potential health effectsSymptoms**

**Eye Contact** Causes eye irritation

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

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

**Ingestion** 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, irritation

**Skin Contact** No symptoms known or expected

**Inhalation** No symptoms known or expected

**Ingestion** No symptoms known or expected

**Toxicity**

Acute oral toxicityAcute toxicity estimate: 2956mg/kg

Acute inhalation toxicityNo data available

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

Skin corrosion /irritation no skin irritation

Serious eye damage/eye irritation Mild eye irritation

Respiratory or skin sensitization No data available

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 :** This material is 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

**Ingredients**

Toxicity to fish Alcohol ethoxylates

 96 h lc50: .1mg/l

**Ingredients**

**Toxicity to daphnia and other Sodium carbonate**

**Aquatic invertabrates 48 h EC50 Daphnia: 200mg/l**

**Persistence and degradability No data available**

**Bioaccumulative potential No data available**

**Mobility in soil No data available**

**Other adverse effects No data available**

**SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal methods** This product can be flushed to sanitary sewer.

Discard empty container in trash. Do not allow to enter storm drains, water course or the soil.

**SECTION 14. TRANSPORT INFORMATION**

**This shipper/consigner/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**

**U.S. Federal regulations**

 **TSCA 8(b) inventory**  : All components are listed or exempted.

 **SARA 302/304/311/312 extremely hazardous substances:** No listed substance.

 **SARA 302/304 emergency planning and notification:** No listed substance

 **SARA 313 Product name CAS number Concentration**

 **Form R – Reporting** : No listed substance

 **requirements**

**California Prop 65** : No listed substance

**SECTION 16. OTHER INFORMATION**

**Hazardous Material :**

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

 **Health 1**

 **Flammability**  **0**

 **Physical Hazards** **0**

**NFPA:**

 **Flammability**

**1**

**Instability/**

**Reactivity**

**Health**

**0**

**0**

 **Special Hazard**

Issuing date : April 1 2015

Version : 1.0

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.