



SR-1 SLURRY SEAL SET RETARDER

1 Identification

GHS Product Identifier

SR-1 SLURRY SEAL SET RETARDER

Other means of identification

Dilute Acetic Acid

Supplier's details

COBITCO, INC.
5301 NORTH BANNOCK STREET
DENVER, CO 80216-1623
(303) 296-8575

Emergency phone number

CHEMTREC: 1-800-424-9300

2 Hazard(s) identification

Classification of the substance or mixture

Skin Corrosion/Irritation

Serious Eye Damage/Eye Irritation

Acute Toxicity (Oral/Dermal/Inhalation)



GHS label elements



Causes severe skin burns and eye damage

May cause an allergic skin reaction

May cause allergy or asthma symptoms or breathing difficulties if inhaled

May be harmful if swallowed, in contact with skin or if inhaled

Use personal protective equipment as required.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

If skin irritation or rash occurs: Get medical advice/attention.

3 Composition/information on ingredients

Description	CAS Number	EIN CS Number	%	Note
Acetic Acid	64-19-7		5	
Water	7732-18-5		95	
Water and other components	N/A		Balance	

Each of the other components are present in less than 1 percent concentration (or 0.1% concentration for potential carcinogens, reproductive toxins, respiratory tract sensitizers, and mutagens).

None of the other components contribute significant, additional, hazards at the concentrations present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalent Standards and Canadian Workplace Hazardous Materials Identification System Standards (CPR 4).

4 First-aid measures

Description of necessary first-aid measures

Victims of chemical exposure must be taken for medical attention. Rescuers should be taken for medical attention if necessary. Immediate first-aid treatment is recommended for overexposures. Take copy of label and SDS to physician or health professional with victim.

Most important symptoms/effects, acute and delayed

EYE EXPOSURE: If this product enters the eyes, *immediately* open victim's eyes while under gently running water. Use sufficient force to open eyelids. Have the victim "roll" eyes. The recommended minimum flushing time is 15 minutes. If any adverse effect, discomfort or sight changes occur after 15 minutes of rinsing, victim must seek immediate medical attention.

SKIN EXPOSURE: If this product contaminates the skin, decontaminate with running water for at least 15 minutes. Remove exposed or contaminated clothing, taking care not to contaminate eyes. Victims must seek medical attention if adverse effects occur.

INHALATION: If mists or sprays of this product are inhaled, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Victims must seek medical attention if adverse effects occur.

INGESTION: If this product is swallowed, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. DO NOT INDUCE VOMITING. Have victim rinse mouth with water if conscious. Never induce vomiting or give a diluent (e.g., water) to someone who is unconscious, having convulsions, or unable to swallow. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain an open airway and prevent aspiration.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing dermatitis and other skin conditions may be aggravated by overexposure to this product.

RECOMMENDATIONS TO PHYSICIANS: Treat symptoms. Eliminate overexposure.

5 Fire-fighting measures

Suitable extinguishing media

<u>Water Spray</u> : YES (for cooling)	<u>Carbon Dioxide</u> : YES
<u>Foam</u> : YES	<u>Dry Chemical</u> : YES
<u>Halon</u> : YES	<u>Other</u> : Any "ABC" Class.

Specific hazards arising from the chemical

This product can moderately to severely irritate contaminated tissue. When involved in a fire, this material may decompose and produce irritating vapors and toxic gases (e.g., carbon oxides, nitrogen oxides, and hydrogen chloride). Containers of this product can rupture in a fire situation due to internal water vapor (steam) pressure.

Explosion Sensitivity to Mechanical Impact: Not sensitive.

Explosion Sensitivity to Static Discharge: Not sensitive.

Special protective actions for fire-fighters

Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Chemical resistant clothing may be necessary. Move fire-exposed containers if it can be done without risk to firefighters. If possible, firefighters should control runoff water to prevent environmental contamination. Rinse contaminated equipment with soapy water before returning such equipment to service.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

CHEMTEL EMERGENCY

NUMBER (24 Hour): 1-800-255-3924

Methods and materials for containment and cleaning up

In case of spillage, dilute with water to sewer if allowed by local and state regulations. If unable to wash product with water, absorb with inert material (sand or other approved material) and dispose of in accordance with applicable regulations.

RCRA STATUS: Regulated limit 100% concentration: 50 kg (110 lbs.) 2,000 pounds based on percentage in blend

7 Handling and storage

Precautions for safe handling

As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid breathing mists or sprays generated by this product. Use in a well-ventilated location. Remove contaminated clothing immediately. Eyewash stations and safety showers should be in areas of use of this material.

Conditions for safe storage, including any incompatibilities

All employees who handle this material should be trained to handle it safely. Open containers slowly on a stable surface. Keep container tightly closed when not in use. Containers of this product must be properly labeled. Store containers in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is possible. Store away from incompatible materials (see Section 10, Stability and Reactivity). Material should be stored in secondary containers or in a diked area as appropriate. Floors should be sealed to prevent absorption of this material. If appropriate, post warning signs in storage and use areas. Inspect all incoming containers before storage to ensure containers are properly labeled and not damaged. Empty containers may contain residual liquid or vapors; therefore, empty containers should be handled with care. Never store food, feed, or drinking water in containers that held this product.

BULK SHIPMENTS: Bulk shipments of this product should be loaded and unloaded in strict accordance with truck manufacturer recommendation and all established onsite safety procedures. Appropriate personal protective equipment must be used (see Section 8, Exposure Controls-Personal Protection). All loading and unloading equipment must be inspected, prior to each use. Loading and unloading operations must be attended at all times. Trucks must be level and wheels must be locked or blocked prior to loading or unloading. Truck and material-handling equipment must be verified to be correct for receiving this product and be properly prepared prior to starting the transfer operations. Hoses must be verified to be free of incompatible chemicals prior to connection to the truck. Valves and hoses must be verified to be in the correct positions before starting transfer operations.

PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT: Follow practices indicated in Section 6 (Accidental Release Measures). Make certain that application equipment is locked and tagged-out safely if necessary. Collect all rinsates and dispose of according to applicable U.S. Federal, State, or local procedures or appropriate Canadian standards.

8 Exposure controls/personal protection

Control parameters

Consider the potential hazards of this material (see section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment.

Appropriate engineering controls

VENTILATION: A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

MECHANICAL EXHAUST: Desired in closed places

LOCAL EXHAUST: Recommended

VENTILATION NOTES: Provide natural or mechanical ventilation to control exposure levels below Airborne exposure limits (see below). The use of local mechanical exhaust ventilation is preferred at sources of air contamination such as open process equipment. Consult NFPA Standard 91 for design of exhaust systems.

THRESHOLD LIMIT VALUE: OSHA TWA 10ppm as per acidic acid content.

Individual protection measures

EYE PROTECTION: Chemical safety goggles meeting the specifications of OSHA 29CFR 1910.133 / ANSI Standard Z87.1 should be worn whenever there is the possibility of splashing or other contact with the eyes. Wear safety glasses meeting the specifications of OSHA 29CFR 1910.133 / ANSI Standard Z87.1 where no contact with the eye is anticipated.

RESPIRATORY PROTECTION: Use NIOSH approved vapor respirator if exposure is unknown or exceeds permissible limits. A respiratory protection program that meets OSHA's 29 CFR 1910.134 or ANSI Z88.2 requirements must be followed whenever workplace conditions warrant respirator use.

Use NIOSH / MSHA approved respiratory protection equipment when airborne exposure limits are exceeded (see below). Consult the respirator manufacturer to determine appropriate type of equipment for a given application. Observe respirator use limitations specified by NIOSH / MSHA or the manufacturer. Respiratory protection programs must comply with 29 CFR 1910.134. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

PROTECTIVE GLOVES:.....Wear impervious gloves.

PROTECTIVE EQUIPMENT: HMIS PERSONAL PROTECTION: C: Safety Glasses, Gloves, Apron

The user should read and understand all instructions and limitations supplied with the equipment since protection

is usually provided for a limited time or under certain circumstances.

9 Physical and chemical properties

Physical and chemical properties

APPEARANCE / ODOR: Clear Liquid / Vinegar Odor

FLASHPOINT: Not flammable.

AUTOIGNITIONTEMPERATURE: Not applicable.

FLAMMABLELIMITS(inairbyvolume,%):

Lower(LEL): Not applicable.

Upper(UEL): Not applicable.

BOILING POINT: 212°F

FREEZING POINT: 32°F

VAPOR PRESSURE: ND

VAPOR DENSITY (AIR=1): ND

SPECIFIC GRAVITY: 1.01

pH: 1-3

SOLUBILITY IN WATER: Complete

10 Stability and reactivity

Chemical stability

Stable

Conditions to avoid

Material can react with: amines, bases, oxidizers.

Incompatible materials

Amines, bases, oxidizers.

Hazardous decomposition products

None

11 Toxicological information

Delayed and immediate effects and also chronic effects from short and long term exposure

EYE EFFECTS: The eye irritation hazard is based on data from information supplied by raw material(s) supplier(s). **SKIN**

EFFECTS: The skin irritation hazard is based on data from information supplied by raw material(s) supplier(s). **ACUTE**

ORAL EFFECTS: The acute oral toxicity is based on data from information supplied by raw material(s) supplier(s).

ACUTE INHALATION EFFECTS: The acute respiratory toxicity is based on data from information supplied by raw material(s) supplier(s).

12 Ecological information

Toxicity

Data from laboratory studies and from scientific literature is noted below if available.

13 Disposal considerations**Disposal methods**

Treatment, storage, transportation and disposal must be in accordance with Federal, State/Provincial and Local Regulations. Regulations may vary in different locations. Characterization and compliance with applicable laws are the responsibility solely of the generator. Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14 Transport information**UN Number**

1760

UN Proper Shipping Name

Corrosive Liquid, N.O.S. (Contains 5% Acetic Acid), 8, UN1760, PG II.

Transport hazard class(es)

8, Corrosive Liquid

Packing group, if applicable

PACKAGING SIZE: Gallon, Pail, 55 gal. Drum

REPORTABLE QUANTITY: 2,000 lbs. based on Acetic Acid content in blend

15 Regulatory information**Safety, health and environmental regulations specific for the product in question****SARA311CATEGORIES:**

EPA ACUTE: Yes (Eyes)

EPA CHRONIC: No

EPA IGNITABILITY: No

EPA REACTIVITY: No

EPA SUDDEN RELEASE

OF PRESSURE: NO

CERCLA RQ VALUE: Regulated limit 100% concentration: 50 kg (110 lbs.) 2,000 pounds based on percentage in blend.

SARA TPQ: 2,000 pounds based upon % concentration in product.

SARA RQ: 2,000 pounds based upon % concentration in product.

EPA HAZARD WASTE #: D002 - Characteristic of Corrosivity

CLEAN AIR: NA

CLEAN WATER: Section 311 and 312.

SARA SECTION 313: 2,000 pounds based upon % concentration in product.

NFPA HEALTH: 2

NFPA FLAMMABILITY: 0

NFPA REACTIVITY: 0

DEA Chemical Trafficking Act: No

TSCA STATUS: All ingredients in this product are on the TSCA Inventory List.

16 Other information

Other information

PREPARED BY: EnviroSure, LLC.
1018 E Guadalupe Road, Tempe, AZ 85209
(480) 784-4621

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