

# SAFETY DATA SHEET

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## Silver Solution

### SECTION 1: Product Identification

**Product Name:** Silver Solution  
**Chemical Family:** Surfactant blend  
**Common or Trade Name:** Low surface tension cleaner  
**Manufacturer:** Chem Max Corp  
**Address:** 6479 Norton Center Dr., Norton Shores, MI 49441  
**Phone:** 800-858-7237  
**Poison Control Phone:** 800-222-1222

### SECTION 2: Hazards Identification

#### GHS Classification :

Skin irritation: Category 4  
Acute toxicity - oral: Category 4  
Eye damage: Category 2

#### GHS label elements, including precautionary statement(s)

**Signal word:** Warning

#### Hazard statement (s)

H316 Causes mild skin irritation.  
H320 Causes eye irritation.

#### Precautionary-Preventive statement (s)

P264 Wash skin thoroughly after handling  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if possible. Continue rinsing.  
P332 + P313 IF SKIN IRRITATION: get medical advice/attention.  
P337 + P313 IF EYE IRRITATION PERSISTS: get medical advice/attention.

#### Precautionary statement/Storage

P362 Take off contaminated clothing.  
P501 Dispose of contents/container to an approved waste disposal plant.  
P501 Dispose of contents and container in accordance with local, state, and federal regulations.

IF SWALLOWED: Get medical attention if you feel unwell.

## SECTION 3: Composition/Information on Ingredients

Name:	CAS#	Weight %
Water	7732-18-5	40%-90%
Ammonium xylenesulfonate	26447-10-9	5%-25%
Sulfuric acid, mono-16-alkyl esters, ammonium salts	68081-96-9	5%-25%
Aluminum phyllosilicate	12141-46-7	1%-10%
(C12-15) Alcohol ethoxylated	68131-39-5	1%-10%
4-Nonylphenol branched, ethoxylated	127087-87-0	1%-5%
Poly (ethylene oxide)	25322-68-3	1%-5%
Acrylate polymer	Trade Secret	1%-5%
Isopropyl alcohol	67-63-0	1%-5%
Dinonylphenyl polyoxyethylene	9014-93-1	1%-5%
Alcohol	C10-16 67762-41-8	< 1%
Fluoridated alcohol substituted glycol	Trade Secret	< 1%
Crystalline silica quartz	14808-60-7	< 1%
Crystalline silica cristobalite	14464-46-1	< 1%
Crystalline silica tridymite	15468-32-3	< 1%

## SECTION 4: First Aid Measures

**Skin contact:** Wash skin thoroughly after handling. Seek medical attention if irritation develops and persists. Remove contaminated clothing and laundry before reuse.

**Eye contact:** If product enters eyes, open eyes while under gentle running water for several minutes. Remove contact lenses if present and easy to do. Continue routine for at least 15 minutes. Seek medical attention.

**Inhalation:** If breathing becomes difficult, remove the victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.

**Ingestion:** Rinse mouth with water. If swallowed, do not induce vomiting. Give a glass of water. Seek immediate medical attention.

**Indication of immediate medical attention in special treatment:** Treat symptomatically.

## SECTION 5: Firefighting Measures

**Suitable extinguishing media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media:** None known

**Specific hazards arising from the chemical:** None known

### Explosion data

**Sensitivity to mechanical impact:** None

**Sensitivity to static discharge:** None

**Firefighting procedures:** As in any fire, wear self-contained breathing apparatus designed for firefighting, MSHA /NIOSH (approved or equivalent), and full protective gear. In the event of fire and/or explosion, do not breathe fumes.

## SECTION 6: Accidental Release and Disposal Measures

**Personal precautions:** Evacuate personnel to a safe area. Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required.

**For emergency responders:** Use personal protective equipment recommended in section 8 as required.  
**Environmental precautions:** Prevent further leakage or spillage if safe to do so, Prevent product from entering drains, Do not flush into surface water. See Section 12 for additional ecological information.  
**Methods for containment:** Prevent further leakage or spillage if safe to do so. Rinse the spill area with plenty of water.

## SECTION 7: Storage and Handling

**Handling:** Do not get in eyes or on skin or clothing. Do not eat or drink in the work area. Use normal hygiene and housekeeping. Ensure adequate ventilation, especially in confined areas.

**Storage:** Keep the container tightly sealed in a dry, cool place.

**Incompatible materials:** None known

## SECTION 8: Exposure Control/Personal Protection

### Exposure guidelines:

ACGIH TLV - none

OSHA PEL - none

Other limit - none

### Other exposure limits for potential decomposition products:

OSHA TWA = None

SCGIH STEL = None

### Engineering controls:

Avoid being released into the environment. Avoid discharge into water courses or onto the ground.

### Incompatibilities:

None known

### Personal protective equipment (PPE):

**Eyes:** Wear appropriate protective glasses or chemical safety goggles as directed by OSHA's eye and face protection regulations in 29 CFR 1910.133

**Skin:** Wear appropriate protective gloves.

**Clothing:** Selection of protective clothing depends on work conditions and potential exposure conditions and may include gloves, boots, suits and other protective items.

**Respirators:** Where adequate ventilation is not available, an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of OSHA

## SECTION 8: Exposure Control/Personal Protection (continued)

Respiratory Protection Standard 29 CFR 1920.134. In confined areas, use a self-contained breathing apparatus.

**Specific hygiene measures:** always observe good personal hygiene, such as washing after handling and before eating, drinking and/or smoking. Practice good housekeeping. Access to eyewash and a safety shower is recommended.

## SECTION 9: Physical and Chemical Properties

Appearance:	Thick gray paste
Physical state:	Liquid
Odor:	Earthy
Odor threshold:	Not determined
Relative density (water = 1.0):	Not determined
Solubility in water:	100%
PH:	5.8
Initial boiling point/range:	Not determined
Melting/freezing point:	Not determined
Vapor pressure:	Not determined
Vapor density (air = 1.0 ):	Not determined
Evaporation rate (n-butyl acetate =1)	Not determined
% Volatiles:	Not determined
Partition coefficient (N-Octanol/water):	Not determined
Viscosity:	Not determined
Flashpoint:	Non-flammable
Flashpoint method:	Not determined
Autoignition temperature:	Not determined
Upper flame limit (volume % in air):	Not determined
Lower flame limit (volume % in air):	Not determined
Decomposition temperature:	Not determined
Flammability (solid, gas):	Non-flammable

## SECTION 10: Stability and Reactivity

**Reactivity:** Not normally reactive

**Possibility of hazardous reactions:** No dangerous reaction known

**Incompatible materials:** None known

**Chemical stability:** Normally stable under normal conditions.

**Hazardous decomposition products:** None known

## SECTION 11: Toxicological Information

No adverse health effects expected if the product is handled in accordance with the safety data sheet and product label.

Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

**Ingestion:** Swallowing may result in irritation of the gastrointestinal tract. Health injury is not expected under normal use.

**Eye contact:** An eye irritant. Health injury is not expected under normal use.

**Skin contact:** contact with skin may result in irritation. Health injury is not expected under normal use.

**Inhalation:** May result in respiratory irritation. Health injuries are not expected under normal use.

**Chronic effects:** not listed as a carcinogenic according to the international Agency for Research on Cancer (IARC).

## SECTION 12: Ecological Information

**Ecotoxicity:** Ecological Studies have not been carried out on this product.

**Persistence and degradability:** Readily biodegradable.

**Bio accumulative potential:** No data available.

**Mobility in soil:** No data available.

**Other adverse effects:** No data available.

## SECTION 13: Disposal Considerations

RCRA

Is the unused product an RCRA hazardous waste if discarded? No

**Other disposal considerations:**

Dispose of in accordance with applicable federal, state and local regulations.

## SECTION 14: Transport Information

Air (IATA) Not classified as dangerous in the meaning of transport regulations.

Land (DOT) Not classified as dangerous in the meaning of transport regulations.

Sea (IMDG) Not classified as dangerous in the meaning of transport regulations.

## SECTION 15: Regulatory Information

**OSHA:** This product is a "hazardous chemical" as defined by the OSHA hazard communication standard 29 CFR 1910.1200

**CERCLA:** This material, as supplied, does not contain any substance regulated as hazardous substances under the Comprehensive Environmental Response Comprehensive and Liability Act (CERCLA), (49 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA), (40 CFR 355), or **SARA 304** Emergency Release Notification.

**SDWA (Safe Drinking Water Act):** not regulated.

**CLEAN AIR ACT (CAA):** Section 112 Hazardous Air Pollutants (HAPS) list: not regulated.

**CLEAN AIR ACT (CAA):** Section 112(R) Accidental Release Prevention (40 CFR 68.130): not regulated.

**SARA 311/312 Hazardous Chemical:** Yes (serious eye damage or eye irritation).

**TSCA: United States Toxic Substances Control Act:** Section 8 (b) inventory: not regulated

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052):** not regulated.

### International inventories

DSL/NDSL: Not regulated

EINECS/ELINCS : Not regulated

ENCS : Not regulated

IECSC : Not regulated

KECL : Not regulated

PICCS : Not regulated

AICS : Not regulated

### Legend

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List.

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances.

ENCS - Japan Existing and New Chemical Substances.

IECSC - China Inventory of Existing Chemical Substances.

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances.

AICS - Australian Inventory of Chemical Substances.

**CHEMICAL SAFETY ASSESSMENT: A chemical safety assessment has not been carried out for the substance or mixture.**

## **Section 16: Other Information**

Issue date: April 8th 2021

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**End of Safety Data Sheet**