

Safety Data Sheet

Chrome Stripper Solution

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Mixture

Product Name: Chrome Stripper Solution

Use of the Substance/Mixture: chemical chrome stripper.

Name, Address, and Telephone of the Responsible Party

Company

Gold Plating Services

378 North Main #112 Layton, UT 84041

Tel: (801) 546-6200

www.goldplating.com

Emergency Phone Number

Emergency Number: PERS - (801) 629-0667 or (800) 633-8253

Current SDS preparation date: January 15, 2022

Original SDS preparation date: May 16, 2014

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture GHS-US classification

Met. Corr. 1 H290

Skin Corr. 1A H314

Eye Dam. 1 H318

Full text of H-phrases: see section 16



Hazard Pictograms (GHS-US)

:

GHS05

Signal Word (GHS-US)

: Danger

Hazard Statements (GHS-US)

: H290 - May be corrosive to metals.

H314 - Causes severe skin burns and eye damage.

H318 - Causes serious eye damage.

Precautionary Statements (GHS-US) : P234 - Keep only in original container.
 P260 - Do not breathe vapors, mist, or spray.
 P264 - Wash hands, forearms and face thoroughly after handling.
 P280 - Wear protective gloves, eye protection, face protection, protective clothing. P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting.
 P303+P361+P353+P363 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. P304+P340 - If inhaled: Remove person to fresh air and keep at rest in a position comfortable for breathing.
 P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 - Immediately call a poison center or doctor.
 P390 - Absorb spillage to prevent material damage.
 P405 - Store locked up.
 P406 - Store in corrosive resistant container with a resistant inner liner.
 P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

Other Hazards

Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

Unknown Acute Toxicity (GHS-US)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable

Mixture

| Name | Product Identifier | % | GHS-US classification |
|------------------|--------------------|----|--|
| Water | (CAS No) 7732-18-5 | 92 | Not classified |
| Sodium hydroxide | (CAS No) 1310-73-2 | 8 | Met. Corr. 1, H290 Skin Corr. 1A, H314 Eye Dam. 1, H318 Aquatic Acute 3, H402 |

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES**Description of First Aid Measures**

First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

First-aid Measures After Inhalation: Keep at rest and in a position comfortable for breathing. Seek medical attention. Symptoms may be delayed.

First-aid Measures After Skin Contact: Remove contaminated clothing and shoes. Immediately flush skin with plenty of water for at least 60 minutes. Immediately call a POISON CENTER or doctor/physician. Wash contaminated clothing before reuse. **First-aid Measures After Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 60 minutes. Immediately call a POISON CENTER or doctor/physician.

First-aid Measures After Ingestion: Rinse mouth thoroughly with water. Do NOT induce vomiting. Seek medical attention immediately.

Most important symptoms and effects, both acute and delayed

Symptoms/Injuries: Causes severe skin burns and eye damage.

Symptoms/Injuries After Inhalation: Contact may cause immediate severe irritation progressing quickly to chemical burns.

Symptoms/Injuries After Skin Contact: Corrosive. Causes burns. Symptoms may include: Redness, pain, swelling, itching, burning, dryness, and dermatitis.

Symptoms/Injuries After Eye Contact: Causes serious eye damage. Symptoms may include: Redness, pain, swelling, itching, burning, tearing, and blurred vision. Causes permanent damage to the cornea, iris, or conjunctiva.

Symptoms/Injuries After Ingestion: May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

Chronic Symptoms: None expected under normal conditions of use.

Indication of Any Immediate Medical Attention and Special Treatment Needed If exposed or concerned, get medical advice and attention.

SECTION 5: FIRE-FIGHTING MEASURES**Extinguishing Media**

Suitable Extinguishing Media: Dry chemical, alcohol foam, carbon dioxide.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not flammable.

Explosion Hazard: Product is not explosive, however in contact with incompatibilities may release explosive hydrogen gas.

Reactivity: May be corrosive to metals.

Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Other Information: Do not allow the product to be released into the environment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not get in eyes, on skin, or on clothing. Do not breathe vapor, mist or spray.

For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel. Keep upwind.

For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

Environmental Precautions Avoid release to the environment.

Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Cautiously neutralize spilled liquid. Clean up spills immediately and dispose of waste safely. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Collect absorbed material and place into a sealed, labeled container for proper disposal. Practice good housekeeping - spillage can be slippery on smooth surface either wet or dry.

Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection. Concerning disposal elimination after cleaning, see item 13.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Additional Hazards When Processed: Contact with metals may evolve flammable hydrogen gas. May be corrosive to metals.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Always wash your hands immediately after handling this product, and once again before leaving the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke in areas where product is used.

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Observe all regulations and local requirements regarding storage of containers.

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Store locked up. Store in corrosive resistant container with a resistant inner liner. Storage areas should be periodically checked for corrosion and integrity.

Incompatible Products: Strong acids. Metals such as aluminum, tin, and zinc. Leather and wool. Oxidizing agents. Light metals and their alloys.

Specific End Use(s)

Chrome stripper.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), or OSHA (PEL).

| Sodium hydroxide (1310-73-2) | | |
|-------------------------------------|--|----------------------|
| USA ACGIH | ACGIH Ceiling (mg/m ³) | 2 mg/m ³ |
| USA NIOSH | NIOSH REL (ceiling) (mg/m ³) | 2 mg/m ³ |
| USA IDLH | US IDLH (mg/m ³) | 10 mg/m ³ |
| USA OSHA | OSHA PEL (TWA) (mg/m ³) | 2 mg/m ³ |

Exposure Controls

Appropriate Engineering Controls : Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas.
Ensure all national/local regulations are observed.

Personal Protective Equipment : Protective clothing. Gloves. Protective goggles.



Materials for Protective Clothing : Corrosion-proof clothing.

Hand Protection : Wear chemically resistant protective gloves.

Eye Protection : A full face shield is recommended. Chemical safety goggles.

Skin and Body Protection : Wear suitable protective clothing.

Respiratory Protection : Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

Environmental Exposure Controls : Do not allow the product to be released into the environment.

Consumer Exposure Controls : Do not eat, drink or smoke during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

| | |
|---|-----------------------------------|
| Physical State | : Liquid |
| Appearance | : Clear to slightly yellow liquid |
| Odor | : Slight alkaline odor |
| Odor Threshold | : No data available |
| pH | : 10.5 |
| Evaporation Rate | : No data available |
| Melting Point | : No data available |
| Freezing Point | : No data available |
| Boiling Point | : 212 °F (100 °C) |
| Flash Point | : Does not burn |
| Auto-ignition Temperature | : Does not burn |
| Decomposition Temperature | : No data available |
| Flammability (solid, gas) | : Does not burn |
| Vapor Pressure | : No data available |
| Relative Vapor Density at 20 °C | : No data available |
| Relative Density | : No data available |
| Solubility | : Water : Complete |
| Partition Coefficient: N-Octanol/Water | : No data available |
| Viscosity | : No data available |

Explosive Properties : Product is not explosive.

Other Information: No additional information available

SECTION 10: STABILITY AND REACTIVITY

Reactivity: May be corrosive to metals.

Chemical Stability: Stable under recommended handling and storage conditions (see section 7).

Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

Conditions to Avoid: Direct sunlight, extremely high or low temperatures, open flames, sources of ignition and incompatible materials.

Incompatible Materials: Strong acids. Metals such as aluminum, tin, and zinc. Leather and wool. Oxidizing agents. Light metals and their alloys.

Hazardous Decomposition Products: Nitrogen oxides. Carbon dioxide (CO₂). Smoke and soot. May produce explosive hydrogen gas on contact with incompatibilities or upon thermal decomposition.

SECTION 11: TOXICOLOGICAL INFORMATION

Information On Toxicological Effects Acute

Toxicity: Not classified

Sodium hydroxide (1310-73-2)

| | |
|---------------------------|------------|
| LD50 Dermal Rabbit | 1350 mg/kg |
|---------------------------|------------|

Skin Corrosion/Irritation: Causes severe skin burns and eye damage.

Serious Eye Damage/Irritation: Causes serious eye damage.

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Contact may cause immediate severe irritation progressing quickly to chemical burns. **Symptoms/Injuries After Skin Contact:** Corrosive. Causes burns. Symptoms may include: Redness, pain, swelling, itching, burning, dryness, and dermatitis.

Symptoms/Injuries After Eye Contact: Causes serious eye damage. Symptoms may include: Redness, pain, swelling, itching, burning, tearing, and blurred vision. Causes permanent damage to the cornea, iris, or conjunctiva.

Symptoms/Injuries After Ingestion: May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. **Chronic Symptoms:** None expected under normal conditions of use.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Sodium hydroxide (1310-73-2)

| | |
|-----------------------|--|
| LC50 Fish 1 | 45.4 mg/l (Exposure time: 96 h - Species: <i>Oncorhynchus mykiss</i> [static]) |
| EC50 Daphnia 1 | 40 mg/l |

Persistence and Degradability No additional information available

Bioaccumulative Potential No additional information available.

Mobility in Soil No additional information available

Other Adverse Effects

Other Information : Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Sewage Disposal Recommendations: Do not empty into drains; dispose of this material and its container in a safe way.

Waste Disposal Recommendations: Dispose of contents and container according to local, regional, national, and international regulations.

SECTION 14: TRANSPORT INFORMATION

In Accordance with DOT , IATA, IMDG, ICAO

Proper Shipping Name : SODIUM HYDROXIDE SOLUTION
Hazard Class : 8
Identification Number : UN1824
Label Codes : 8
Packing Group : III
ERG Number : 154



IMDG:

Label Codes : 8
EmS-No. (Fire) : F-A
EmS-No. (Spillage) : S-B

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

| | |
|---|---------------------------------|
| Chrome Stripper Solution | |
| SARA Section 311/312 Hazard Classes | Immediate (acute) health hazard |
| Water (7732-18-5) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| Sodium hydroxide (1310-73-2) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| SARA Section 311/312 Hazard Classes | Immediate (acute) health hazard |

US State Regulations

Sodium hydroxide (1310-73-2)

U.S. - Massachusetts - Right To Know List
 U.S. - New Jersey - Right to Know Hazardous Substance List
 U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
 U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date : 11/15/2015
Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

| | |
|-----------------|--|
| Aquatic Acute 3 | Hazardous to the aquatic environment - Acute Hazard Category 3 |
| Eye Dam. 1 | Serious eye damage/eye irritation Category 1 |
| Met. Corr. 1 | Corrosive to metals Category 1 |
| Skin Corr. 1A | Skin corrosion/irritation Category 1A |
| H290 | May be corrosive to metals |
| H314 | Causes severe skin burns and eye damage |
| H318 | Causes serious eye damage |
| H402 | Harmful to aquatic life |

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

SDS US (GHS HazCom)