



COMPANY IDENTITY: Stinger Chemical LLC
PRODUCT IDENTITY: 794 STINGER® IRON REMOVER

SDS DATE: 07/05/2021
ORIGINAL: 07/05/2021

SAFETY DATA SHEET

This Safety Data Sheet conforms to ANSI Z400.5, and to the format requirements of the Global Harmonizing System. THIS SDS COMPLIES WITH 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD) IMPORTANT: Read this SDS before handling & disposing of this product. Pass this information on to employees, customers, & users of this product

SECTION 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

PRODUCT IDENTITY: 794 STINGER® IRON REMOVER
PRODUCT USES: Cleanning compound
COMPANY IDENTITY: Stinger Chemical, LLC
COMPANY ADDRESS: 905 Live Oak
COMPANY CITY: Houston, TX 77003
COMPANY PHONE: 713-227-1340
EMERGENCY PHONES: CHEMTREC: 1-800-424-9300 (USA)
CANUTEC: 1-613-996-6666 (CANADA)

SECTION 2. HAZARD(S) IDENTIFICATION

Table with 3 columns: Hazard Category, Description, and Classification. Includes Physical Hazards (Corrosive to metals, Category 1), Health Hazards (Acute toxicity, oral, dermal, inhalation; Sensitization, skin; Category 4, 5, 1A), Environmental hazards (Not classified), and OSHA defined hazards (Not classified).

Label elements



Label elements section containing multiple paragraphs of text, likely representing a hazard statement or safety instructions in a different language.

3. COMPOSITION/ INFORMATION ON INGREDIENTS AND MIXTURES

| Chemical name | CAS number | % |
|--|------------|-----------|
| Ammonium Mercaptoacetate | 5421-46-5 | 20 - < 30 |
| Propan-2-ol | 67-63-0 | 3 - < 5 |
| Pnp Glycol Ether | 1569-01-3 | 1 - < 3 |
| Dodecyldimethylamine Oxide | 1643-20-5 | < 1 |
| Sodium Hydroxide | 64-02-8 | < 0.3 |
| Tetrasodium Ethylenediaminetetraacetate | 1310-73-2 | < 0.1 |
| Other components below reportable levels | | 70 - < 80 |

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret

4. FIRST-AID MEASURES

| | |
|---|--|
| Inhalation | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a POISON CENTER or doctor/physician. |
| Skin contact | Remove contaminated clothing immediately and wash skin with soap and water. Get medical advice/attention if you feel unwell. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse. |
| Eye contact | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. |
| Ingestion | Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell. |
| Most important symptoms/effects, acute and delayed | Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Difficulty in breathing. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash. Prolonged exposure may cause chronic effects. |
| Indication of immediate medical attention and special treatment needed | Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed. |
| General information | Take off all contaminated clothing immediately. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse. |

5. FIRE FIGHTING MEASURES

| | |
|--|---|
| Suitable extinguishing media | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). |
| Unsuitable extinguishing media | Not applicable. |
| Specific hazards arising from the chemical | Not available |
| Special protective equipment and precautions for firefighters | Breathing apparatus and full protective clothing must be worn in case of fire. In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. |
| Fire fighting equipment/instructions | Use standard firefighting procedures and consider the hazards of other involved materials. |
| Specific methods | |
| General fire hazards | No unusual fire or explosion hazards noted. |

6. ACCIDENTAL RELEASE MEASURE

| | |
|--|---|
| Personal precautions, protective equipment and emergency procedures | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. |
| Methods and materials for containment and cleaning up | Prevent product from entering drains. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water. Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. |
| Environmental precautions | Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. |

7. HANDLING AND STORAGE

| | |
|---|---|
| Precautions for safe handling | Do not breathe mist or vapor. Do not taste or swallow. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Wash contaminated clothing before reuse. Observe good industrial hygiene practices. |
| Conditions for safe storage, including any incompatibilities | Store locked up. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). |

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components | Type | Value |
|----------------------------------|---------|-----------|
| Propan-2-ol(CAS 67-63-0) | PEL | 980 mg/m3 |
| Sodium Hydroxide (CAS 1310-73-2) | PEL | 400 ppm |
| | | 2 mg/m3 |
| Components | Type | Value |
| Propan-2-ol (CAS 67-63-0) | STEL | 400 ppm |
| Sodium Hydroxide (CAS 1310-73-2) | TWA | 2 mg/m3 |
| | Ceiling | 200 ppm |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value |
|----------------------------------|---------|-----------------------|
| Propan-2-ol (CAS 67-63-0) | STEL | 1225 mg/m3 500 ppm |
| | TWA | 980 mg/m3 400 ppm |
| Sodium Hydroxide (CAS 1310-73-2) | Ceiling | 2 mg/m3 |

Biological limit values

| ACGIH Biological Exposure Indices | | Determinant | Specimen | Sampling Time |
|-----------------------------------|---------|-------------|----------|---------------|
| Components | Value | | | |
| Propan-2-ol (CAS 67-63-0) | 40 mg/l | Acetone | Urine | * |

Appropriate engineering controls Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station. Eye wash fountain and emergency showers are recommended.

Individual protection measures, such as personal protective equipment

Eye/face protection Not available.
Skin protection
Hand protection Wear suitable gloves. Chemical resistant gloves.
Other Respiratory protection Wear appropriate chemical resistant clothing.
 Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. If ventilation is insufficient, suitable respiratory protection must be provided.
Thermal hazards None known.

General hygiene considerations When using do not smoke. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance Liquid.
Physical state Form Liquid.
Color Amber
Odor Pine.Pungent.
Odor threshold Not available.
pH 5.7
Melting point/freezing point Not available.
Initial boiling point and boiling range Not available.
Flash point Not available.
Evaporation rate Not applicable.
Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Explosive limit - lower (%) Not available.
Explosive limit - upper (%) Not available.
Vapor pressure Not available.
Vapor density Not available.
Relative density Not available
Solubility(ies) Not available.
Solubility (water) Not available.
Auto-ignition temperature Not available.
Decomposition temperature Not available.
Density 8.85 lb/gal
Explosive properties Not explosive.
Oxidizing properties Not oxidizing.

VOC Content 4.95 % w/w by weight

10. Stability and reactivity

| | |
|------------------------------------|---|
| Reactivity | The product is stable and non-reactive under normal conditions of use, storage and transport. Material is stable under normal conditions. |
| Chemical stability | |
| Possibility of hazardous reactions | No dangerous reaction known under conditions of normal use. |
| Conditions to avoid | Contact with incompatible materials. |
| Incompatible materials | Strong oxidizing agents. |
| Hazardous decomposition products | No hazardous decomposition products are known. |

11. Toxicological information

Information on likely routes of exposure

| | |
|--|---|
| Inhalation | Not available. |
| Skin contact | Causes skin irritation. May cause an allergic skin reaction. |
| Eye contact | Causes serious eye irritation. |
| Ingestion | Not available. |
| Symptoms related to the physical, chemical and toxicological characteristics | Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash. |

Information on toxicological effects Acute toxicity

| Components | Species | Test Results |
|-----------------------------------|--|--------------|
| Pnp Glycol Ether (CAS 1569-01-3) | | |
| <u>Acute</u> | | |
| Dermal | | |
| LD50 | Rabbit | 3.55 g/kg |
| Oral | | |
| LD50 | Rat | 2.8 g/kg |
| Propan-2-ol (CAS 67-63-0) | | |
| <u>Acute</u> | | |
| Oral | | |
| LD50 | Rat | 4.7 g/kg |
| Skin corrosion/irritation | Causes skin irritation. | |
| Serious eye damage/eye irritation | Causes serious eye irritation. | |
| Respiratory or skin sensitization | Not available. | |
| Respiratory sensitization | May cause an allergic skin reaction. | |
| Skin sensitization | Respiratory sensitization | |
| Germ cell mutagenicity | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. | |
| Carcinogenicity | Not classifiable as to carcinogenicity to humans. | |

IARC Monographs. Overall Evaluation of Carcinogenicity
 Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)
 Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

Reproductive toxicity
 Specific target organ toxicity -single exposure
 Specific target organ toxicity -repeated exposure

This product is not expected to cause reproductive or developmental effects. Not classified.
 Not available.

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Mobility in soil Other adverse effects No data available.
 No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal

14. Transport information

DOT UN1760 (Not DOT Regulated for transport on trucks in containers < 119 Gallons)
UN number Corrosive liquids, n.o.s. (contains ammonium mercaptoacetate)
UN proper shipping name
Transport hazard class(es) 8
Class Subsidiary risk -
Packing group III

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

IATA UN1760
UN number Corrosive liquids, n.o.s., (contains ammonium mercaptoacetate)
UN Proper Shipping Name 8
Transport Hazard Class(es) -
Class Subsidiary Risk III
Packing Group No
Environmental Hazards No
Special Precautions for User Read safety instructions, SDS and emergency procedures before handling..

IMDG

UN number UN1760
UN proper shipping name Corrosive liquids, n.o.s., (contains ammonium mercaptoacetate)
Transport hazard class(es)
Class Subsidiary 8
risk -
Packing group Environmental III
hazards
Marine pollutant No.
EmS Not available.
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not established.

DOT



IATA; IMDG



15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Sodium Hydroxide (CAS 1310-73-2)
release notification

Listed. SARA 304 Emergency

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

Classified hazard categories

Flammable (gases, aerosols, liquids, or solids)
Acute toxicity (any route of exposure)
Skin corrosion or irritation
Serious eye damage or eye irritation
Respiratory or skin sensitization
Specific target organ toxicity (single or repeated exposure)

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

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)

Safe Drinking Water Act (SDWA) Not regulated.

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

Propan-2-ol (CAS 67-63-0)

Low priority US state regulations

California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 2016 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Propan-2-ol (CAS 67-63-0)

Sodium Hydroxide (CAS 1310-73-2)

International Inventories

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia | Australian Inventory of Chemical Substances | No |
| Canada | (AICS) Domestic Substances List (DSL) | No |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | No |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | No |
| Europe | European List of Notified Chemical Substances | No |
| Japan | (ELINCS) Inventory of Existing and New Chemical Substances (ENCS) | No |
| Korea | Existing Chemicals List (ECL) | No |
| New Zealand | New Zealand Inventory | No |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | No |
| Taiwan | Taiwan Toxic Chemical Substances (TCS) | No |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | No |

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

| | |
|------------|--|
| Issue date | 07/05/2021 |
| Version # | 01 |
| Disclaimer | Stinger Chemical, LLC cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information provided in this 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. |