

# Safety Data Sheet

## 1. Identification

|                             |                                                                                                                                                                                                                      |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Information.        | 112150                                                                                                                                                                                                               |
| Product Name:               | ChemSpec Rust Remover                                                                                                                                                                                                |
| Recommended Use.            | Stain Remover                                                                                                                                                                                                        |
| Uses advised against.       | Professional Use Only                                                                                                                                                                                                |
| Supplier.                   | Legend Brands<br>Chemspec<br>15180 Josh Wilson Road<br>Burlington, WA 98233<br>E-Mail: sds@legendbrands.com<br>800-932-3030<br><br>Legend Brands<br>4520 Eastgate Parkway<br>Mississauga, ON L4W 3W6<br>800-932-3030 |
| Emergency telephone number. | INFOTRAC 1-800-535-5053 (North America)<br>+1-352-323-3500 (International)                                                                                                                                           |

## 2. Hazards Identification

Classification in accordance with the Workplace Hazardous Materials Information System (WHMIS) 2015 based on the Hazardous Products Regulations (HPR).

Acute Toxicity, Oral, category 4

Skin Corrosion, category 1

### GHS Pictograms



### Signal Word

Danger

### Unknown Acute Toxicity

< 0.1% of the mixture consists of ingredient(s) of unknown acute toxicity

### HAZARD STATEMENTS

Harmful if swallowed.

Causes severe skin burns and eye damage.

### Precautionary Statements - Prevention.

Do not breathe dust/fume/gas/mist/vapours/spray.

Wash ... thoroughly after handling.

Do not eat, drink or smoke when using this product.

Wear protective gloves/protective clothing/eye protection/face protection.

### Precautionary Statements - Response.

IF SWALLOWED: Call a POISON CENTRE/doctor/... if you feel unwell.

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Immediately call a POISON CENTER or doctor/physician.  
Wash contaminated clothing before reuse.

**Precautionary Statements - Storage.**

Store locked up.

**Precautionary Statements - Disposal.**

Dispose of contents/container to ...

### 3. Composition/Information on Ingredients

| <u>Chemical Name</u> | <u>CAS-No.</u> | <u>Wt. %</u> | <u>HMIRA</u> |
|----------------------|----------------|--------------|--------------|
| AMMONIUM BIFLUORIDE  | 1341-49-7      | 7-13         |              |

### 4. First-aid Measures

**Description of first-aid measures.****General advice.**

Call a physician if irritation develops or persists. When symptoms persist or in all cases of doubt seek medical advice.

**Inhalation.**

Move to fresh air.

**Skin contact.**

Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes.

**Eye contact.**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Remove contact lenses, if present.

**Ingestion.**

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Gently wipe or rinse the inside of the mouth with water.

**Symptoms.**

See Section 2.2, Label Elements and/or Section 11, Toxicological effects.

**Notes to physician.**

Treat symptomatically.

### 5. Fire-fighting Measures

**Extinguishing media.****Suitable extinguishing media.**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Extinguishing media which shall not be used for safety reasons.**

High volume water jet.

**Special hazards arising from the substance or mixture.**

No information available.

**Advice for firefighters.**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures.****Personal precautions.**

Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas. Do not breathe vapors or spray mist.

**Advice for emergency responders.**

Use personal protection recommended in Section 8.

**Environmental precautions.**

Prevent product from entering drains. See Section 12 for additional Ecological information.

**Methods and materials for containment and cleaning up.****Methods for Containment.**

Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers.

**Methods for cleaning up.**

Use personal protective equipment as required.

**Reference to other sections.**

See section 8 for more information.

## 7. Handling and Storage

**Conditions for safe storage, including any incompatibilities.****Advice on safe handling.**

Handle in accordance with good industrial hygiene and safety practice.

**Hygiene measures.**

See section 7 for more information.

**Storage Conditions.**

Keep containers tightly closed in a cool, well-ventilated place.

## 8. Exposure Controls/Personal Protection

**Ingredients with Occupational Exposure Limits**

| <u>Chemical Name</u> | <u>ACGIH TLV-TWA</u> | <u>ACGIH-TLV STEL</u> | <u>OSHA PEL-TWA</u> | <u>OSHA PEL-CEILING</u> |
|----------------------|----------------------|-----------------------|---------------------|-------------------------|
|----------------------|----------------------|-----------------------|---------------------|-------------------------|

Contains no substances with occupational exposure limit values.

TLV = Threshold Limit Value TWA = Time Weighted Average PEL = Permissible Exposure Limit STEL = Short-Term Exposure Limit N.E. = Not Established

**Engineering Measures.**

Showers, eyewash stations, and ventilation systems.

**Personal protective equipment.****Eye/Face Protection.**

Safety glasses with side-shields.

**Skin and body protection.**

Wear suitable protective clothing.

**Respiratory protection.**

In case of insufficient ventilation wear suitable respiratory equipment.

## 9. Physical and chemical properties.

**Information on basic physical and chemical properties.**

|                                  |                |
|----------------------------------|----------------|
| Physical state                   | Liquid         |
| Appearance                       | Clear          |
| Color                            | Colorless      |
| Odor                             | Low            |
| Odor Threshold                   | No Information |
| pH                               | 5.5            |
| Melting/freezing point., °C (°F) | No Information |
| Flash Point., °C (°F)            | No Information |

|                                        |                          |
|----------------------------------------|--------------------------|
| Boiling point/boiling range., °C (°F)  | 100 - 100 (212 - 212)    |
| Evaporation rate                       | No Information Available |
| Explosive properties.                  | No Information           |
| Vapor pressure.                        | No Information           |
| Vapor density.                         | No Information           |
| Specific Gravity. (g/cm <sup>3</sup> ) | 1.036                    |
| Water solubility.                      | No Information           |
| Partition coefficient.                 | No Information           |
| Autoignition temperature., °C          | No Information           |
| Decomposition Temperature °C.          | No Information           |
| Viscosity, kinematic.                  | No Information           |

**Other information.**

|                                           |                |
|-------------------------------------------|----------------|
| Volatile organic compounds (VOC) content. | No Information |
| Density, lb/gal                           | No Information |

## 10. Stability and Reactivity

**Reactivity.**

Stable under normal conditions.

**Chemical stability.**

Stable under recommended storage conditions.

**Possibility of hazardous reactions.**

None known based on information supplied.

**Conditions to Avoid.**

None known.

**Incompatible Materials.**

None known based on information supplied.

**Hazardous Decomposition Products.**

None known.

## 11. Toxicological Information

**Information on toxicological effects.****Acute toxicity.****Product Information**

No Information

The following values are calculated based on chapter 3.1 of the GHS document.

ATEmix (oral) 1,238.1 mg/kg

**Component Information.**

| <u>CAS-No.</u> | <u>Chemical Name</u> | <u>LD50 Oral</u> | <u>LD50 Dermal</u> | <u>LC50 Inhalation</u> |
|----------------|----------------------|------------------|--------------------|------------------------|
| 1341-49-7      | AMMONIUM BIFLUORIDE  | 130 mg/kg Rat    | N.I.               | N.I.                   |

N.I. = No Information

**Skin corrosion/irritation.**

No Information

**Eye damage/irritation.**

No Information

**Respiratory or skin sensitization.**

No Information

**Ingestion.**

No Information

**Germ cell mutagenicity.**

No Information

**Carcinogenicity.**

No Information

**Reproductive toxicity.**

No Information

**Specific target organ systemic toxicity (single exposure).**

No Information

**Specific target organ systemic toxicity (repeated exposure).**

No Information

**Aspiration hazard.**

No Information

**Primary Route(s) of Entry**

No Information

## 12. Ecological Information

**Toxicity.**

10.50% of the mixture consists of ingredient(s) of unknown aquatic toxicity

**Ecotoxicity effects.**

**Persistence and degradability.**

No data are available on the product itself.

**Bioaccumulative potential.**

Discharge into the environment must be avoided.

**Mobility in soil.**

No information

**Other adverse effects.**

No information

## 13. Disposal Considerations

**Waste Disposal Guidance.**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

## 14. Transport Information

**DOT**

**Shipping Name:** Quarts ship as Limited Quantity  
CORROSIVE LIQUID, N.O.S. (AMMONIUM BIFLUORIDE)  
**Hazard Class:** 8  
**UN/NA Number:** 2817  
**Packing Group:** II

**IMDG**

**Proper Shipping Name:** Quarts ship as Limited Quantity  
CORROSIVE LIQUID, N.O.S. (AMMONIUM BIFLUORIDE)  
**Hazard Class:** 8  
**UN Number:** 2817  
**Packing Group:** II

**IATA**

Air transport is not recommended.

## 15. Regulatory Information

### International Inventories:

|               |          |
|---------------|----------|
| TSCA          | Complies |
| DSL           | Complies |
| DSL/NDSL      | Complies |
| EINECS/ELINCS | -        |
| ENCS          | -        |
| IECSC         | -        |
| KECI          | -        |
| PICCS         | -        |
| AICS          | Complies |
| NZIoC         | -        |

#### TCSI

|               |                                                                                                   |
|---------------|---------------------------------------------------------------------------------------------------|
| TSCA          | United States Toxic Substances Control Act Section 8(b) Inventory.                                |
| DSL           | Canadian Domestic Substances List.                                                                |
| DSL/NDSL      | Canadian Domestic Substances List/Canadian 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.                                                      |
| NZIoC         | New Zealand Inventory of Chemicals.                                                               |
| TCSI          | Taiwan Chemical Substance Inventory                                                               |

### CANADIAN WHMIS:

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

WHMIS Class E

## 16. Other Information

Revision Date: 12/1/2021 Supersedes Date: 6/2/2021

Reason for revision: Revision Description Changed  
Substance and/or Product Properties Changed in Section(s):  
01 - Product Information  
09 - Physical & Chemical Information  
14 - Transportation Information  
Revision Statement(s) Changed

Datasheet produced by: Regulatory Department

### HMIS Ratings:

|         |   |               |   |                  |   |                      |   |
|---------|---|---------------|---|------------------|---|----------------------|---|
| Health: | 3 | Flammability: | 0 | Physical Hazard: | 0 | Personal Protection: | D |
|---------|---|---------------|---|------------------|---|----------------------|---|

### NFPA Ratings:

|         |   |               |   |              |   |                      |      |
|---------|---|---------------|---|--------------|---|----------------------|------|
| Health: | 3 | Flammability: | 0 | Instability: | 0 | Physical & Chemical: | N.I. |
|---------|---|---------------|---|--------------|---|----------------------|------|

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.