

Safety Data Sheet

Issue Date: 05-Nov-2013

Revision Date: 13-Nov-2013

Version 1

1. IDENTIFICATION

Product Identifier

Product Name AMAZING RUST REMOVER

Other means of identification

SDS # SJJ-019AR

Document Amazing rust remover
UN/ID No UN1727

Recommended use of the chemical and restrictions on use

Recommended Use Rust remover.

Details of the supplier of the safety data sheet

Supplier Address

Smith & Jones Janitorial/Classic Products
1 Biloxi Sq.
W. Columbia, SC 29170

Emergency Telephone Number

Company Phone Number 1-803-822-8500
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Clear viscous liquid Physical State Liquid Odor Faint sweet

Classification

| | |
|-----------------------------------|---------------------------|
| Acute toxicity - Oral | Category 4 |
| Skin corrosion/irritation | Category 1 Sub-category B |
| Serious eye damage/eye irritation | Category 1 |

Signal Word

Danger

Hazard Statements

Harmful if swallowed
Causes severe skin burns and eye damage



Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
 Do not eat, drink or smoke when using this product
 Do not breathe dust/fume/gas/mist/vapors/spray
 Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

Immediately call a poison center or doctor/physician
 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
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
 Wash contaminated clothing before reuse
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 Immediately call a poison center or doctor/physician
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
 Do not induce vomiting

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% |
|---------------------|-----------|----------|
| Ammonium bifluoride | 1341-49-7 | 15-20 |

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

| | |
|-----------------------|---|
| General Advice | Provide this SDS to medical personnel for treatment. |
| Eye Contact | Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention. |
| Skin Contact | Wash off immediately with plenty of water for at least 15 minutes. If irritation persists, seek medical attention. |
| Inhalation | Remove to fresh air. Immediate medical attention is required. |
| Ingestion | Do not induce vomiting. Dilute by giving 1 or 2 glasses of milk or water. Nothing by mouth if unconscious. Get immediate medical attention. |

Most important symptoms and effects

| | |
|-----------------|---|
| Symptoms | May cause skin and eye irritation. Prolonged contact may cause painful stinging or burning of eyes and lids, watering of eye, and irritation. May cause irritation to the mucous membranes and upper respiratory tract. |
|-----------------|---|

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

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

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Product is not flammable or combustible.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use water spray to cool exposed containers.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal Precautions Use personal protective equipment as required.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so. Contain and absorb with suitable absorbent for disposal.

Methods for Clean-Up Sweep up absorbed material and shovel into suitable containers for disposal. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations. For waste disposal, see section 13 of the SDS.

7. HANDLING AND STORAGE**Precautions for safe handling**

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands, and any exposed skin thoroughly after handling. Use personal protection recommended in Section 8. Use with due care according to label instructions and precautions. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed and store in a cool, dry and well-ventilated place. Store locked up.

Packaging Materials Always store unused portion in original container with cap secured.

Incompatible Materials Strong oxidizers, Metals, Bases.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|-------------------------------|------------------------------|---|------------------------------|
| Ammonium bifluoride 1341-49-7 | TWA: 2.5 mg/m ³ F | TWA: 2.5 mg/m ³ F TWA: 2.5 mg/m ³ dust (vacated) TWA: 2.5 mg/m ³ | TWA: 2.5 mg/m ³ F |

Appropriate engineering controls

Engineering Controls Mechanical ventilation or local exhaust ventilation is recommended.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety glasses.

Skin and Body Protection Wear rubber or neoprene gloves.

Respiratory Protection Ensure adequate ventilation, especially in confined areas. High vapor or mist concentrations, at point of use, may require a NIOSH approved respirator.

General Hygiene Considerations Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|-------------------------------------|-------------------------|--------------------------------|--------------------------------|
| Physical State | Liquid | Odor | Faint sweet |
| Appearance | Clear viscous liquid | Odor Threshold | Not determined |
| Color | Clear | | |
| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> | |
| pH | >5.0 | | |
| Melting Point/Freezing Point | Not determined | | |
| Boiling Point/Boiling Range | 100 °C / 212 °F | | |
| Flash Point | No Flash at boil | | |
| Evaporation Rate | < 1 | | CC (closed cup) (Water = 1) |
| Flammability (Solid, Gas) | Not determined | | |
| Upper Flammability Limits | Not applicable | | |
| Lower Flammability Limit | Not applicable | | |
| Vapor Pressure | Not established | | |
| Vapor Density | Not established | | |
| Specific Gravity | 1.01 | | (1=Water) |
| Water Solubility | Infinite | | |
| Solubility in other solvents | Not determined | | |
| Partition Coefficient | Not determined | | |
| Auto-ignition Temperature | Not determined | | |
| Decomposition Temperature | Not determined | | |
| Kinematic Viscosity | Not determined | | |
| Dynamic Viscosity | Not determined | | |
| Explosive Properties | Not determined | | |
| Oxidizing Properties | Not determined | | |
| Additional Information | Volatile by volume <80% | | |

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

Extreme temperatures. Incompatible Materials.

Incompatible Materials

Strong oxidizers, Metals, Bases.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

| | |
|---------------------|---|
| Eye Contact | Causes eye damage. |
| Skin Contact | Causes severe skin burns. Exposure may cause dry skin, dermatitis and redness. |
| Inhalation | May cause irritation to the mucous membranes and upper respiratory tract. |
| Ingestion | Harmful if swallowed. Ingestion causes burns of the upper digestive and respiratory tracts. |

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|-------------------------------|---------------------|-------------|-----------------|
| Ammonium bifluoride 1341-49-7 | = 130 mg/kg (Rat) | - | - |

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested.

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|----------------------------------|-------|---------|-----|------|
| Ammonium bifluoride 1341-49-7 | | Group 3 | | |

*IARC (International Agency for Research on Cancer)
Group 3 IARC components are "not classifiable as human carcinogens"*

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Persistence/Degradability

The surfactants system and solvents used in this product are readily biodegradable. The chelators may form insoluble salts which precipitate out of the solution. They are otherwise non-reactive with biological systems.

Bioaccumulation

Not determined.

Mobility

Not determined

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

| | |
|-------------------------------|---|
| Disposal of Wastes | Disposal should be in accordance with applicable regional, national and local laws and regulations. |
| Contaminated Packaging | Disposal should be in accordance with applicable regional, national and local laws and regulations. |

14. TRANSPORT INFORMATION

Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

| | |
|---------------------------------|--|
| UN/ID No | UN1727 |
| Proper Shipping Name | Ammonium hydrogendifluoride, solution |
| Hazard Class | 8 |
| Packing Group | II |
| Reportable Quantity (RQ) | 100 lbs for Ammonium hydrogen bifluoride |

IATA

| | |
|-----------------------------|---------------------------------------|
| UN/ID No | UN1727 |
| Proper Shipping Name | Ammonium hydrogendifluoride, solution |
| Hazard Class | 8 |
| Packing Group | II |

IMDG

| | |
|-----------------------------|---------------------------------------|
| UN/ID No | UN1727 |
| Proper Shipping Name | Ammonium hydrogendifluoride, solution |
| Hazard Class | 8 |
| Packing Group | II |

15. REGULATORY INFORMATION

International Inventories

TSCA Listed

Legend:

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*
- 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*

US Federal Regulations

CERCLA

| Chemical Name | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ) |
|----------------------------------|--------------------------|----------------|---|
| Ammonium bifluoride 1341-49-7 | 100 lb | | RQ 100 lb final RQ RQ 45.4 kg final RQ |

SARA 313

| Chemical Name | CAS No | Weight-% | SARA 313 - Threshold Values % |
|---------------------------------|-----------|----------|-------------------------------|
| Ammonium bifluoride - 1341-49-7 | 1341-49-7 | 15-20 | 1.0 |

CWA (Clean Water Act)

| Component | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|--|-----------------------------|------------------------|---------------------------|----------------------------|
| Ammonium bifluoride 1341-49-7 (15-20) | 100 lb | | | X |

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|----------------------------------|------------|---------------|--------------|
| Ammonium bifluoride 1341-49-7 | X | X | X |

16. OTHER INFORMATION

| | | | | |
|-------------|---|---------------------------------------|--------------------------------------|--|
| NEPA | Health Hazards Not determined | Flammability Not determined | Instability Not determined | Special Hazards Not determined |
| HMIS | Health Hazards 3 | Flammability 0 | Physical Hazards 0 | Personal Protection Not determined |

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Disclaimer

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.

End of Safety Data Sheet