

## 1. Product and Manufacturer Identification

**Product Name:** Rust Remover  
**Product Use:** Professional Spot Removal  
**Manufacturer:** Racine Industries, Inc.  
 1405 16th Street  
 Racine, WI 53403 USA  
 Tel: 1-262-637-4491;  
 1-800-558-9439  
 (8am-4:30pm CST)

**EU Contact:** Host UK Ltd t/a Host von Schrader  
 Unit 8 Parkway Business Centre  
 Sixth Avenue, Zone 2 Deeside Industrial Park  
 Deeside, CH5 2LD  
**Tel** – 01244-289256 (8-5 GMT)  
**Email** – [info@hostvs.co.uk](mailto:info@hostvs.co.uk) **Web** - [www.hostvonschrader.co.uk](http://www.hostvonschrader.co.uk)

**Emergency contact after hours:** Marc @ 1-815-382-8238/[msiwek@hostdry.com](mailto:msiwek@hostdry.com)  
 or Greg @ 1-262-681-7431

## 2. Hazard Identification

**Emergency Overview:** Corrosive (C), Harmful (Xn) Effects can be delayed.



### Potential Health Hazards:

**SKIN:** Harmful in contact with skin. (R21) Causes burns.(R34)  
**EYES:** Risk of serious damage to eyes. (R41)  
**INHALATION:** Harmful by inhalation. (R20) Mist can cause severe irritation and burns of nose, throat and respiratory tract.  
**INGESTION:** Harmful if swallowed. (R22)

## 3. Composition/ Information On Ingredients

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>EU#</u>	<u>Weight %</u>	<u>Risk (see sections 2 and 16)</u>
Ammonium Bifluoride	1341-49-7	215-676-4	10-15%	T, R23/24/25, C, R34

## 4. First Aid Measures

**SKIN:** After contact with skin, immediately take off all contaminated clothing and wash immediately with soap and water. (S27/28) Consult physician if irritation persists or there is pain.  
**EYES:** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. (S26)  
**INHALATION:** Do not breathe spray/mist. (S23) Remove to fresh air. If symptoms persist or are severe, seek medical advice.  
**INGESTION:** If swallowed, seek medical advice immediately and show container/label/MSDS. (S46)

## 5. Fire Fighting Measure

### Flammable Properties:

**FLASH POINT:** Noncombustible  
**Extinguishing Media:** Use extinguishing media appropriate for material in surrounding fire.  
**Unusual Fire And Explosion Hazards:** None known.  
**Special Fire Fighting Procedures:** Use NIOSH/ MSHA approved self-contained positive pressure breathing apparatus and protective clothing where this material is involved in a fire.

## 6. Accidental Release Measures

**Spill And Leak Procedures:** (See **Exposure Controls** section for recommended personal protection equipment.) Absorb with an inert absorbent. Shovel up into an appropriate container. Use a water rinse for the final clean up.

## 7. Handling And Storage

**Handling Procedures:** Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.  
**Storage Procedures:** KEEP OUT OF REACH OF CHILDREN. (S2) Keep container tightly closed, and protect from freezing.

## 8. Exposure Controls/ Personal Protection

### Exposure Guidelines

<u>Ingredient name</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>Other Limit</u>
Ammonium Bifluoride	2.5 mg/m <sup>3</sup>	2.5 mg/m <sup>3</sup>	

**Engineering Controls:** Use general ventilation. Dilution ventilation is necessary for enclosed spaces.

### Personal Protective Equipment:

**Skin Protection:** Wear suitable gloves. (S27) Body-covering clothes should be worn.  
**Eye Protection:** Wear eye/face protection. (S39)  
**Respiratory Protection:** Not required under normal use with adequate ventilation. If mists are expected without proper ventilation, use a NIOSH approved respirator for organic vapors with high-efficiency particulate filters.

## 9. Physical And Chemical Properties

**Appearance:** Clear and colorless liquid  
**Odor:** Low odor  
**pH:** 4.5-5.5  
**Specific Gravity:** 1.04-grams/ milliliter  
**Water Solubility:** Complete  
**% VOCs:** 0

## 10. Stability And Reactivity

**Chemical Stability:** Stable  
**Incompatibility:** Chlorine bleach and strong oxidizers.  
**Hazardous Decomposition:** Possible fumes of hydrogen fluoride, ammonia, and oxides of carbon  
**Hazardous Polymerization:** Will not occur.

### 11. Toxicological Information

**Immediate (Acute) Effects:** Product is corrosive to the skin and eyes. May cause pain.  
LD50 (oral, rat)= 60-130 mg/ kg

**Delayed (Sub chronic And Chronic) Effects:** Systemic toxicity is delayed and affects CNS, kidneys, brain, skeleton, liver, testes, and thyroid.

### 12. Ecological Information

**Ecotoxicological Information:** No data – Ammonium Bifluoride LC 50 is >100mg/L/96 hr (fish).  
**Environmental Fate:** Inorganic – hydrolyses depending on pH.

### 13. Disposal Considerations

Only dispose of in accordance with applicable Federal, State and Local regulations.

### 14. Transportation Information

#### DOT and TDG Classification:

**DOT Proper Shipping Name:** ORM-D (Consumer Commodity)      UN/NA: NA      Hazard Class: NA

### 15. Regulatory Information

#### Inventory Status

USA (TSCA)	Listed
Canada (DSL)	Listed
Europe (EINECS/ ELINCS)	Listed
Japan (ENCS)	Listed
Australia (AICS)	Listed
Korea (ECL)	Listed
Philippines (PICCS)	Listed

#### Additional Information

WHMIS Classification:	D2B
SARA Title III:	Not applicable
CERCLA Reportable Quantities:	Not applicable
California Proposition 65:	This product is not subject to the reporting requirements.

### 16. Other Information

HAZARD RATING	HMIS	NFPA
Health	3	3
Flammability	0	0
Physical Hazard	0	0
PPE	B	

This product is a commercial rust spot removing chemical for use by professionals.

EU Classification:	C, Corrosive, Xn, Harmful
Risk Phrases:	R20 Harmful by inhalation. R21 Harmful in contact with skin. R22 Harmful if swallowed. R34 Causes burns. R41 Risk of serious damage to eyes.
Ingredient:	T Toxic
Risk Phrases:	R23/24/25 Toxic by inhalation, in contact with skin, and if swallowed. R34 Causes burns.
Safety Phrases:	S2 Keep out of reach of children. S23 Do not breathe spray/mist. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S27/28 After contact with skin, immediately take off all contaminated clothing and wash immediately with soap and water. S37 Wear suitable gloves. S39 Wear eye/face protection. S46 If swallowed, seek medical advice immediately and show container/label/MSDS.

Von Schrader Company (VS) furnishes the data contained here in good faith at customer's request without liability or legal responsibility for same what so ever and no warranty or guarantee, expressed or implied, is made with respect to such data nor does VS grant permission, recommendation or inducement to infringe any patent whether owned by VS or others. The data is offered solely for your information and consideration. Since conditions of use are beyond Von Schrader's control, user assumes all responsibility and risk.