# Safety Data Sheet

**Issue Date:** 29-Mar-2006 **Revision Date:** 09-Dec-2017 **Version** 2

## 1. IDENTIFICATION

**Product Identifier**
**Product Name** Anti-Slip Solution

**Other means of identification**
**SDS #** NAP00044NEW

**Recommended use of the chemical and restrictions on use**
**Recommended Use** Used for kitchen and bath refinishing.

**Details of the supplier of the safety data sheet**
**Manufacturer Address**
North America Polymer Company, Ltd.
7315 Hamlin Ave
Skokie, IL 60076 USA
**Emergency Telephone Number**
**Company Phone Number** 800-888-1081 / 847-779-6464
**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Red liquid **Physical state** Liquid **Odor** None

**Classification**

| | |
|---|---|
| Skin corrosion/irritation | Category 2 |
| Serious eye damage/eye irritation | Category 1 |

**Signal Word**
**Danger**

**Hazard statements**
Causes skin irritation
Causes serious eye damage

**Precautionary Statements - Prevention**
Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

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: Wash with plenty of water and soap
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash before reuse

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No. | Weight-% |
|---|---|---|
| Ammonium bifluoride | 1341-49-7 | <5 |

**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** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

**Skin Contact** Remove contaminated clothing and shoes. Wash affected area thoroughly with water, then apply calcium gluconate gel to the affected area and rub in for at least 15 minutes. If possible apply a dressing soaked in 20% calcium gluconate solution and if burns cover more than the area of a hand, administer six effervescent calcium pills (400 mg calcium per pill) dissolved in water. Transport immediately for medical attention.

**Inhalation** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

**Ingestion** Never give anything by mouth to an unconscious person. Call a physician immediately. Do NOT induce vomiting. Give two glasses of lime water, milk of magnesia, or milk if available. Administer calcium pills as described in skin contact section. Medical treatment possibly including gastric lavage is required as soon as possible. Rinse mouth.

**Most important symptoms and effects**

**Symptoms** May be harmful if swallowed. May cause irritation to the mucous membranes and upper respiratory tract. Inhalation may cause coughing, sore throat, lung congestion, and rapid breathing. May cause severe burns to skin, eyes and other body tissue.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Take appropriate action to counteract symptoms.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**
Foam, Dry Chemical, Carbon Dioxide.

**Unsuitable Extinguishing Media** Use of water should be avoided if possible.

**Specific Hazards Arising from the Chemical**
Thermal decomposition or exposure to acids may release toxic hydrogen fluorine gas.

**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.

## 6. ACCIDENTAL RELEASE MEASURES

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

**Personal Precautions** Use personal protective equipment as required.

**Environmental precautions**

**Environmental precautions** Prevent runoff from entering drains, sewers or streams. See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so. Absorb spill with inert material (e.g. dry sand or earth).

**Methods for Clean-Up** Sweep up and shovel into suitable containers for disposal. Dispose of contents/container to an approved waste disposal plant. For waste disposal, see section 13 of the SDS.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on Safe Handling** Avoid contact with skin, eyes or clothing. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Use only with adequate ventilation. Wash face, hands and any exposed skin thoroughly after handling. Wear appropriate personal protective equipment.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep in a tightly closed plastic, rubber, wood or paraffined container. Store in a cool, dry, well-ventilated place. Store locked up. Protect container from physical damage.

**Packaging Materials** Do not use glass containers.

**Incompatible Materials** Alkali. Acids. Metals. Water.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines**

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---|---|---|---|
| Ammonium bifluoride<br>1341-49-7 | TWA: 2.5 mg/m$^3$ F | TWA: 2.5 mg/m$^3$ F<br>(vacated) TWA: 2.5 mg/m$^3$ | IDLH: 250 mg/m$^3$ F<br>TWA: 2.5 mg/m$^3$ F |

**Appropriate engineering controls**

**Engineering Controls** If the recommended exposure limit is exceeded increased mechanical ventilation such as local exhaust may be required. Eyewash stations.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Chemical safety goggles/faceshield. Refer to 29 CFR 1910.133 for eye and face protection regulations.

**Skin and Body Protection** Rubber, neoprene, or other impervious gloves are recommended to prevent skin contact. Refer to 29 CFR 1910.138 for appropriate skin and body protection.

**Respiratory Protection** NIOSH/MSHA approved respirator if exposure may or does exceed occupational exposure limits. Generally, a dust/mist respirator may be worn in areas where the TLV is exceeded up to ten times. (50 times if the appropriate full-face respirator and cartridges are used.) Alternatively, a supplied-air full face-shield respirator or air-line hood may be worn. Refer to 29 CFR 1910.134 for respiratory protection requirements.

**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 | | |
| **Appearance** | Red liquid | **Odor** | None |
| **Color** | Red | **Odor Threshold** | Not determined |

| **Property** | **Values** | **Remarks • Method** |
|---|---|---|
| **pH** | 4 | |
| **Melting Point/Freezing Point** | 125 °C / 257 °F | |
| **Boiling Point/Boiling Range** | Not determined | |
| **Flash Point** | Not available | |
| **Evaporation Rate** | Not determined | |
| **Flammability (Solid, Gas)** | Not available | |
| **Flammability Limits in Air** | | |
| **Upper Flammability Limits** | Not available | |
| **Lower Flammability Limit** | Not available | |
| **Vapor Pressure** | <0.75 mm Hg | @ 20 C |
| **Vapor Density** | Not determined | |
| **Relative Density** | 0.98 | (1=Water) |
| **Water Solubility** | Soluble in water | @ 25 °C (77 °F) |
| **Solubility in other solvents** | Not determined | |
| **Partition Coefficient** | Not determined | |
| **Auto-ignition Temperature** | Not available | |
| **Decomposition Temperature** | Not determined | |
| **Kinematic Viscosity** | Not determined | |
| **Dynamic Viscosity** | Not determined | |
| **Explosive Properties** | Not determined | |
| **Oxidizing Properties** | Not determined | |

## 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.

**Hazardous Polymerization** Hazardous polymerization does not occur.

**Conditions to Avoid**
Keep away from heat, sparks and open flame. Keep out of reach of children. Avoid moisture. Water. Incompatible Materials.

**Incompatible Materials**
Alkali. Acids. Metals. Water.

**Hazardous Decomposition Products**
Product reacts violently with alkalis releasing ammonia. Forms hydrogen fluoride on contact with concentrated acids. Evolves hydrogen gas on contact with non-noble metals (Iron, zinc, aluminum).

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

**Product Information**

**Eye Contact** Causes serious eye damage.

**Skin Contact** Causes skin irritation.

**Inhalation** Inhalation of vapors in high concentration may cause irritation of respiratory system.

**Ingestion** May be harmful if swallowed.

**Component Information**

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|
| Ammonium bifluoride<br>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.

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

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

**Numerical measures of toxicity**

**The following values are calculated based on chapter 3.1 of the GHS document** .
**ATEmix (oral)** 4,000.00 mg/kg

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

This compound may be harmful or fatal to contaminated plant and animal-life (especially if large quantities are released). No data are currently available on the effects of a release of this compound to bodies of water. It may be expected that a release, especially of a large quantity, may harm aquatic organisms.

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Not determined

**Other Adverse Effects**

Not determined

## 13. DISPOSAL CONSIDERATIONS

**Waste Treatment Methods**

**Disposal of Wastes** Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

**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** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

## 15. REGULATORY INFORMATION

**International Inventories**

| Chemical Name | TSCA | DSL/NDSL | EINECS/ELINCS | ENCS | IECSC | KECL | PICCS | AICS |
|---|---|---|---|---|---|---|---|---|
| Ammonium bifluoride | X | X | X | Present | X | Present | X | X |

**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*

***AICS*** *- Australian Inventory of Chemical Substances*

## US Federal Regulations

### CERCLA

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

### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name | CAS No. | Weight-% | SARA 313 - Threshold Values % |
|---|---|---|---|
| Ammonium bifluoride - 1341-49-7 | 1341-49-7 | 3.25 | 1.0 |

### CWA (Clean Water Act)

| Chemical Name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---|---|---|---|---|
| Ammonium bifluoride | 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<br>1341-49-7 | X | X | X |

## 16. OTHER INFORMATION

| | | | | |
|---|---|---|---|---|
| **NFPA** | **Health Hazards** | **Flammability** | **Instability** | **Special Hazards** |
| | 3 | 0 | 2 | Not determined |
| **HMIS** | **Health Hazards** | **Flammability** | **Physical hazards** | **Personal Protection** |
| | 3 | 0 | 2 | Not determined |

**Issue Date:** 29-Mar-2006
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**Revision Note:** Regulatory update

### 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**