

Date: November 21, 2008
Prepared by: Kathryn Wilson

Former date: April 7, 2008
Reviewed by: Brian Haack

1. IDENTIFICATION OF THE CHEMICAL AND OF MANUFACTURER

Trade name: RUSTMASTER LIQUID Product Code: 1-030515

The intended use of the product is fast acting rust removal.

Standard industrial classification: 2842

Manufacturer: Master Blend, Inc
5285 Fox Street Unit A
Denver, CO USA 80216
303-373-0702 Telephone

1.4.1 FOR CHEMICAL EMERGENCY OR INGESTION, CALL CHEM-TEL, INC.
(USA, Canada & U.S. Virgin Islands) 1-800-255-3924 OR INTERNATIONAL CALL COLLECT 1-813-248-0585

2. COMPOSITION/INFORMATION ON INGREDIENTS

2.1 Hazardous Ingredients

| 2.1.1 CAS # | EINECS No | 2.1.2 Name | 2.1.3 Concentration | 2.1.4 Warning, Risk phrases |
|-------------|--|---------------------|---------------------|-----------------------------|
| 7732-18-5 | 231-791-2 | Water | 80-90% | None |
| 1341-49-7 | 215-676-4 | Ammonium bifluoride | 5-15 | R25, R34 |
| 2.1.5 | Confidential ingredients: None | | | |
| 2.1.6 | No components listed dangerous less than 1 percent each. | | | |
| 2.1.7 | Other information: Medium to strong acid. | | | |

3. HAZARDS IDENTIFICATION

Human: Danger: Corrosive may be fatal. This product may cause damage to eyes, skin, bones and respiratory system. If swallowed the product will be harmful and can be toxic. Long term exposure targets kidneys and can cause bone disorders.

Safety: Avoid contact with acid, bases & oxidising agents. Avoid contact with metals; a flammable gas of hydrogen will be formed.

Environment: This product is unlikely to accumulate in aquatic environment. It is biodegradable in large volumes of water.

4. FIRST AID MEASURES

Wear proper PPE before doing first aid, see section 8. If full quart spills, call 9-1-1 and proceed to minimize the damage.

Eye Contact: Lift eyelids and gently wash with water until you are at a medical facility. Seek medical attention immediately.

Clothing and Skin Contact: Product will burn either immediately or over time. Remove contaminated clothing, apply water for 15 minutes. Seek medical attention immediately.

Inhalation: Remove to fresh air. If trouble with breathing persists, seek medical attention immediately.

Ingestion: Wash out mouth with water. Do not induce vomiting. Dilute slowly with one to two glasses of water. Seek medical attention immediately.

Note to physician: Fluoride ion can cause fluorosis (brittle bones calcified ligaments and anemia). Administer chewable calcium carbonate tablets, milk of magnesia or milk. An injection or topical application on the damaged skin of either calcium gluconate or calcium lactate may be advised by the poison control center.

5. FIRE-FIGHTING MEASURES

The product is non-combustible; however do not apply water to fire as hydrogen fluoride gas may be liberated and is corrosive to many materials such as glass, cement, and many metals. Use carbon dioxide or non-polar foam.

Self-contained breathing apparatus (SCBA) with full chemical resistant protective gear for fire fighters.

This product is unlikely to support combustion as it is not combustible and not an oxidizer.

Exposure hazard: decomposition of product may be hydrogen fluoride, oxides of carbon and nitrogen.

6. ACCIDENTAL RELEASE MEASURES

See section 8 for PPE. Neutralize with sodium bicarbonate and treat with dry absorbent. Store in a non-metal container with secure lid away from all areas of the building. Stay upwind, keep unauthorized people out of area, and isolate the area. Check local authority for proper disposal methods. Do not mix this product with other waste materials.

7. HANDLING AND STORAGE

Use proper PPE, see section 8. Keep this product stored away from food, drink and animal feeding stuffs. Keep out of the reach of children. Store in a cool and dry area. Do not store in aluminum containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit values:

HTP values: NIOSH REL 2.5 mg/m3 of fluoride

Other limit values: (USA) OSHA TWA 2.5 mg/m3 of fluoride

Limit values in other countries: AICS, DSL, ECL, ENCS, EU, ISRAEL, MAC, MAK, PICCS, Taiwan, UK 2.5 mg/m3 of fluoride

Exposure controls: Avoid contact with eyes, skin and clothing. Avoid ingesting the product as it is toxic. Follow respirator regulations (medical approval, fit test, and proper care) wear MSHA/NIOSH approved respirator for hydrogen fluoride gas. SCBA in emergency room. Wear chemical impervious gloves to protect exposure to your hands. Wear chemical safety goggles to protect your eyes. Do not wear contact lenses. Wear chemical resistant protective coveralls and rubber soled boots. Seek advice to consider wearing disposable PPE.

9. PHYSICAL AND CHEMICAL PROPERTIES

The product is a clear liquid with a pungent odour.
 Important health, safety and environmental information
 pH 3.5
 Boiling point/boiling range >100°C (212°F)
 Freezing point <0 °C (32°F)
 Flash point(TCC) NA
 Flammability (solid, gas) Not combustible
 Explosive properties Not an explosive
 Oxidising properties Not an oxidiser
 Vapour pressure Very low
 Relative density Greater than water
 Solubility 41.5% in water
 Specific gravity 1.06
 RVOC% 0.00
 Other information: Product can decompose to form hydrogen fluoride gas.

10. STABILITY AND REACTIVITY

The product is stable and will not polymerise. Avoid strong acids, bases & oxidising agents.
 In a fire situation, the products may be hydrogen fluoride, oxides of carbon and nitrogen.

11. TOXICOLOGICAL INFORMATION

This product is toxic if swallowed. Long term exposure will target kidneys and can cause bone disorders.

12. ECOLOGICAL INFORMATION

Biodegradability: Biodegradable
 Mobility: Mobile liquid. 41.5% soluble in water.
 Bio-accumulation: This product is unlikely to accumulate in waterways and will not accumulate in the environment. The impact on some organisms has been determined not to be toxic to fish and other organisms.

13. DISPOSAL CONSIDERATIONS

Dispose in accord with National regulations. Most regulatory agencies allow triple rinsing with water while wearing PPE and dispose of the container.

14. TRANSPORTATION INFORMATION

Identification UN2817
 Proper Shipping Name Ammonium Hydrogendifluoride Solution
 Hazard Class 8
 Packing group III
 Land transport (DOT/ADR) Consumer commodity in quart bottles [49CFR 173.154]
 Sea Transport (IMDG) LTD QTY exception for 1 L or less (special provision 223)
 Air Transport (ICAO/IATA) LTD QTY exception for 1 L or less (packing instructions Y819)

15. REGULATORY INFORMATION

ILO: C (Corrosive), T (Toxic)
 WHMIS: Corrosive, Toxic
 Risk phrases: R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed
 R25 - Toxic if swallowed
 R33 - Danger of cumulative effects
 R35 - Causes severe burns
 R40 - Possible risks of irreversible effects
 R41 - Risk of serious damage to eyes
 R48 - Danger of serious damage to health by prolonged exposure
 Safety phrases: S2 - Keep out of the reach of children
 S7 - Keep container tightly closed
 S13 - Keep away from food, drink and animal feeding stuffs
 S18 - Handle and open container with care
 S23 - Do not breathe fumes
 S24/25 - Avoid contact with skin and eyes
 S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
 S27 - Take off immediately all contaminated clothing
 S36/37/38/39 - Wear suitable protective clothing, gloves and eye/face protection
 S38 - In case of insufficient ventilation, wear suitable respiratory equipment
 S51 - Use only in well-ventilated areas
 S53 - Avoid exposure - obtain special instructions before use
 S56 - Dispose of this material and its container at hazardous or special waste collection point
 S62 - If swallowed do not induce vomiting: seek medical advice immediately and show this container or label
 Special regulations on certain preparations:

| | | |
|------|------------------------|------|
| HMIS | | NFPA |
| 3 | Health | 3 |
| 0 | Fire | 0 |
| 1 | Reactivity/Instability | 1 |
| K | PPE | |

16. OTHER INFORMATION

Restrictions on use: Ready to use. This product is intended for professional use only.

Further information:

Call CHEM-TEL, INC. collect 1- 813-248-0582

Sources of key data used: EU, EEC Directives on the Control of Dangerous Substances and Preparations (67/548/EEC), Council Directive 88/379/EEC, WHMIS, NIOSH and OSHA 29 CFR Part 1910.1200.

This product contains no Prop 65 materials.

Reportable Quantity (CERCLA also): Ammonium bifluoride 100 lbs.

This is a new Safety Data Sheet.

This information is furnished without warranty expressed or implied except that it is accurate to the best knowledge of Master Blend, Inc. The data and information on the Safety Data Sheet relates only to the specific material designated herein. Master Blend, Inc. assumes no legal responsibility for use or reliance upon the data.