

Safety Data Sheet

RENEW CONCENTRATE

SDS Revision Date:

12/12/2022



1. Identification

1.1. Product identifier

Product Identity

RENEW CONCENTRATE

Alternate Names

70-201, Blended Formula, Renew Concentrate, Super Concentrate Rust and Iron Stain Remover- 5 gallon

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use

It is used to as a multi-purpose rust and oily grime remover. Removes rust build up and oil-based grime fast.

Application Method

Read all precautions and instructions carefully before and after use.

1.3. Details of the supplier of the safety data sheet

Company Name

ComStar International Inc.
20-47 128th Street,
College Point, NY 11356

Telephone No.

718-445-7900
800-328-0142
Fax: 718-353-5998

Emergency 24 HR response No: 1-800-424-9300 & 703-527-3887 CHEMTREC

Note: The CHEMTREC phone number is only for emergencies involving spills, leaks, fire, exposure or accident. Please direct all other inquiries to our customer service phone number.

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Acute toxicity, Oral 4; H301 Toxic if swallowed

Skin Corr/Irrit: 1B; H314 Causes severe skin burns and eye damage

Eye damage/Irrit: 1; H318 Cause serious eye damage

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



Signal word

Warning

Hazard Statement(s)

H301 Toxic if swallowed.

H314 Causes severe skin burns and eye damage.

[Prevention]:

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P260 Avoid breathing dust / fume / gas / mist / vapors / spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

[Response]:

P301+330+331+310: If swallowed: rinse mouth. Do not induce vomiting.

P303+361+353: If on skin: remove all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

P304+340+310: If inhaled: Remove victim to fresh air and keep at rest for easy breathing

P305+351+338: If in eyes: Rinse continuously with water for several minutes. Remove contact lenses, continue rinsing.

[Storage]:

Store locked up.

[Disposal]:

Dispose of contents and container in accordance with local, regional, national, and international regulations.

2.3. Other Hazards

Not applicable

Toxicity Statement:

Not applicable

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
AMMONIUM BIFLUORIDE CAS#: 1341-49-7	<4	Acute Tox, 3; H301 Skin Corr. 1B H314 Eye damage/Irrit: 1; H318	
SODIUM HYDROXIDE SOLUTION	<1	N/A	

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General

Poison information centers in each state can provide additional assistance for scheduled poisons. Ensure that those providing first aid and medical personnel are aware of the material(s) involved and take precautions to protect themselves.

Inhalation

Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

Eyes

Check for and remove contact lenses, if present and easy to do. Immediately flush eyes with gentle but large stream of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Immediate medical attention is required. Get medical attention.

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Skin	Wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention.
Ingestion	Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, keep head low so that vomit does not enter lungs. Never give anything by mouth to an unconscious person. Get medical attention immediately.

4.2. Most important symptoms and effects, both acute and delayed

Irritation, burns, conjunctivitis, chest pain, pneumonia, cyanosis, convulsions, muscle spasm, shock, ulceration, headache, abdominal pain, nausea, vomiting, diarrhea, hematuria, blindness. Harmful if swallowed, inhaled, or exposed to the skin or eyes. May cause burns. May affect the respiratory tract and mucous membranes. Prolonged or repeated exposure may cause damage to the lungs, mucous membranes, and bones.

4.3. Immediate Medical Care/ Special Treatment:

Get medical attention if exposed or concerned. Treat symptomatically. Symptoms may be delayed.

5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry powder, or carbon dioxide.

Unsuitable Extinguishing Media

Do not use a solid (straight) water stream, as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Nitrogen oxides (NOx), Hydrogen fluoride

5.3. Specific Hazards:

Excessive thermal conditions may cause decomposition and yield corrosive and/or toxic fumes

5.4 Special Protective Equipment/ Precautions for Firefighters:

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

ERG Guide No. ---

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Isolate hazard area and keep unnecessary and unprotected personnel away from the area of the leak or spill. Wear appropriate personal protective equipment (see Section 8). Avoid contact with eyes, skin, and clothing.

6.2. Environmental precautions

Absorb spill with an inert material (e.g. vermiculite, dry sand, earth, cloth, or fleece) and place in a non-combustible container for reclamation or disposal. Do not flush to sewer. Clean contaminated surface thoroughly. Residues from spills can be diluted with water. Never return spills in original containers for reuse. Clean up in accordance with all applicable regulations.

6.3. Methods and material for containment and cleaning up

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Stop the flow of material, if this is without risk. Prevent entry into waterways, sewer, basements, or confined areas. Dike the spilled material, where this is possible. Product should not be released to the environment. Contain and recover liquid when possible.

6.4. Emergency Procedures:

In case of chemical emergency, or if unsure how to address an accidental release, consult a professional (see Section 1).

7. Handling and storage

7.1. Handling

Wear personal protective equipment (see Section 8). Provide sufficient air exchange and/or exhaust in work rooms. Avoid contact with skin, eyes, and clothing. Do not ingest. When using, do not eat, drink, or smoke. Keep away from incompatible materials (see Section 10). Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. Containers of this material may be hazardous when empty, as they retain product residues. Observe all warnings and precautions listed for this product.

7.2. Storage

Store in a cool, dry, ventilated area. Store in a segregated and approved area away from heat and incompatible materials (see Section 10). Store in original container. Keep containers tightly closed and upright. Keep away from food, drink, and animal foodstuffs. Keep out of the reach of children. Comply with all national, state, and local codes pertaining to the storage, handling, dispensing, and disposal of this product.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
1341-49-7	AMMONIUM BIFLUORIDE	OSHA	2.5 mg/m ³
		ACGIH	2.5 mg/m ³
		NIOSH	2.5 mg/m ³
		Supplier	No Established Limit

Carcinogen Data

CAS No.	Ingredient	Source	Value
1341-49-7	AMMONIUM BIFLUORIDE	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

8.2. Exposure controls

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Respiratory

Where risk assessment shows air-purifying respirators are appropriate use (EN 143) respirator cartridges as a backup to engineering controls. If the full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Body Protection

Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Eyes/face

Wear safety glasses with side shields or goggles and a face shield. Maintain approved eye wash station and accessible rinse facilities in work area.

Skin protection

Wear appropriate chemical resistant clothing (with long sleeves) and appropriate chemical resistant gloves

Engineering Controls

Ensure adequate ventilation. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Specific Requirements for Personal Protective Equipment:

Ensure that glove material is compatible with this product. This information is available from glove manufacturers.

9. Physical and chemical properties

Appearance	Liquid
Odor	Odorless
Odor threshold	No data available
pH	No data available
Melting point / freezing point	No data available
Initial boiling point and boiling range	No data available
Flash Point	No data available
Evaporation rate (Ether = 1)	Not Measured
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: 135°C(275°F): NA Upper Explosive Limit: 199°C(390°F): NA
Vapor pressure (Pa)	No data available
Vapor Density	Not Measured
Relative Density	No data available
Specific Gravity	1.026 – 1.072 (Water = 1)
Solubility in Water	Miscible with water.
Partition coefficient n-octanol/water (Log Kow)	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available

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Viscosity (cSt)	No data available
Volatiles (% by weight)	No data available
Octanol/Water Partition Coefficient	No data available

9.2. Other information

No other relevant information.

10. Stability and reactivity

10.1. Reactivity

Corrosive. See Section 9.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

May react vigorously or violently with the incompatible materials listed above. Excessive May react vigorously or violently with the incompatible materials listed above.

10.4. Conditions to avoid

Excessive heat, incompatible materials

10.5. Incompatible materials

Strong oxidizers, glass, metals, acids, alkalis, amines.

10.6. Hazardous decomposition products

Nitrogen oxides, hydrogen fluoride.

10.7. Hazardous Polymerization

Will not occur.

11. Toxicological information

Routes of Exposure: Inhalation, ingestion, skin contact, eye contact.

Acute Effects: Harmful if swallowed, inhaled, or exposed to the skin or eyes. May cause burns. May affect the respiratory tract and mucous membranes.

Chronic Effects: Prolonged or repeated exposure may cause damage to the lungs, mucous membranes, and bones.

Toxicological Data: Water: Not applicable.
Ammonium Bifluoride: LD50 Oral, Rat: < 300 mg/kg
Corrosive to skin and eyes based on animal data.

Symptoms of Exposure: Irritation, burns, conjunctivitis, chest pain, pneumonia, cyanosis, convulsions, muscle spasm, shock, ulceration, headache, abdominal pain, nausea, vomiting, diarrhea, hematuria, blindness.

Carcinogenic Effects: No component of this product is considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

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IARC: Ammonium Bifluoride: Group 3 – Not classifiable as to its carcinogenicity to humans.

12. Ecological information

Ecotoxicological Data: Water: Not applicable.
Ammonium Bifluoride: No information found.

Persistence and Degradability: No information found.

Environmental Effects: May be harmful to aquatic organisms. Avoid release to the environment.

13. Disposal considerations

13.1. Waste treatment methods

Dispose of this material and its container to an approved waste collection point. Minimize exposure to product waste (see Section 8). Do not dispose unused waste down drains or into sewers. All wastes must be handled in accordance with local, state, and federal regulations.

Contaminated Packaging:

Because containers retain product residue, follow label warnings even after container is emptied. Offer rinsed packaging material to local recycling facilities.

Waste Codes:

D002: Waste Corrosive Material (pH \leq 2 or pH \geq 12.5 or corrosive to steel)

14. Transport information

NOTE: (Ltd Quantity, each not exceeding 1 L Capacity)

DOT: UN Number: UN2817

Proper Shipping Name: Ammonium hydrogendifluoride solution

Hazard Class: 8 (6.1)

Packing Group: III

ERG Number: 154

Environmental Hazard Regulations: No component of this product is regulated as a marine pollutant by IMDG.

Other Transport Precautions: DOT Reportable Quantity: Ammonium Bifluoride: 100 lb



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15. Regulatory information

U.S. Federal Regulations:

OSHA: This product is considered a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Inventory: All components of this product are on the U.S. TSCA Inventory.

U.S. EPCRA (SARA Title III):

Section 302: No information found

Sections 311/312:

Hazard Category	List (Yes/No)
Section 311 – Hazardous Chemical	Yes
Immediate Hazard	Yes
Delayed Hazard	Yes
Fire Hazard	No
Pressure Hazard	No
Reactivity Hazard	No

Section 313: Ammonium Bifluoride

CERCLA Reportable Quantities: Ammonium Bifluoride: 100 lb

International Inventories:

Country or Region	Inventory Name	On Inventory (Yes/No)*
Australia	Australian Inventory of Chemical Substances (AICS)	N/A
Canada	Domestic Substances List (DSL)	N/A
Canada	Non-Domestic Substances List (NDSL)	N/A
China	Inventory of Existing Chemical Substances in China (IECSC)	N/A
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	N/A
Europe	European List of Notified Chemical Substances (ELINCS)	N/A
Japan	Inventory of Existing and New Chemical Substances (ENCS)	N/A
Korea	Existing Chemicals List (ECL)	N/A
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	N/A

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*A "Yes" indicates that the listed component(s) of this product comply with the inventory requirements administered by the governing country(s).

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The opinions expressed are those of qualified experts within ComStar International Inc. We believe that the information contained is current as of the date of the Safety Data Sheet. Since the use of this information and of these opinions and the conditions of the use of the product are not within the control of ComStar International Inc., it is the user's obligation to determine the conditions of safe use of the product.

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