

SAFETY DATA SHEET

SDS PREP DATE: 3/26/2021

SDS REVISION DATE: 3/26/2021

Product ID: ML-1456-12

**3137 E. 26th Street
Vernon, CA 90058
(323) 266-7111**

24-Hour Emergency Telephone: (800) 255-3924

This Safety Data Sheet contains environmental, health and toxicology information for your employees. Please make sure this information is given to them. It also contains information to help you meet community Right To Know emergency response reporting requirements under SARA TITLE III and many other laws. If you resell this product, this SDS must be given to the buyer or the information incorporated in your SDS.

Section 1: Company and Product Identification

The Starco Group
3137 E. 26th Street
Vernon, CA 90058
(323) 266-7111

24-Hour Emergency Telephone: (800) 255-3924

Product ID: ML-1456-12

Product Name: TRR, 12x1 qt

Intended Use: TOILET RING REMOVER

Section 2: Hazard(s) Identification

Product Signal Word: DANGER

Physical Hazard Classification: Corrosive to Metals
May be corrosive to metals.

Physical Hazard Precautionary Statements:

- Keep only in original container.
- Absorb spillage to prevent material damage.
- Store in corrosive resistant container with a resistant inner liner.

Health Hazard Classification(s):

- Acute Toxicity - Oral - Level 4
- Acute Toxicity - Dermal - Level 4
- Acute Toxicity -Inhalation - Level 3
- Skin Corrosion/Irritation -Level 1A -1C
- Eye Damage/Irritation -Level 1
- Specific Target Organ Toxicity (Single Exposure) -
- Aspiration Hazard - Level 1

Health Hazard Statements:

- Harmful if swallowed.
- May be fatal if swallowed and enters airways.
- Harmful in contact with skin.



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Causes severe skin burns and eye damage.

Causes serious eye damage.

Toxic if inhaled.

May cause respiratory irritation.



First-Aid Statement(s):

IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician.

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

IF ON SKIN: Wash with plenty of water.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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/doctor/physician.

Call a POISON CENTER/doctor/physician.

Call a POISON CENTER/doctor/physician if you feel unwell.

See section 12 if specific treatment is applicable.

See Section 12 if specific treatment is applicable.

Do NOT induce vomiting.

Wash contaminated clothing before reuse.

Handling and Storage Statement(s):

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Exposure Control / Personal Protection Statement(s):

Do not breathe dust/fume/gas/mist/vapours/spray.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash hands and exposed areas thoroughly after handling.

Do no eat, drink or smoke when using this product.

Use only outdoors or in a well-ventilated area.

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

Disposal Statement(s):

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Dispose of contents/container in accordance with local regulations.

Section 3: Product Composition

	CAS#	% Range		PEL	TLV
AMMONIUM HYDROGENDIFLUORIDE	1941-49-7	15%	20%	<Not Established>	2.5 MG/M3 (F.)
ISOPROPYL ALCOHOL	67-63-0	1%	1%	400 PPM	400 PPM
INERT MATERIAL	7732-18-5	75%	90%	NOT ESTABLISHED	NOT ESTABLISHED

Specific chemical identity and exact percentages are withheld as Trade Secret.

Section 4: First-Aid Measures

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See section 12 if specific treatment is applicable.

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Do NOT induce vomiting.

Wash contaminated clothing before reuse.

PERMISSIBLE EXPOSURE LEVEL: See Section III Components

EFFECTS OF ACUTE OVEREXPOSURE:

EYES: Causes severe damage and even blindness very rapidly.

SKIN: Causes burns, possible ulceration.

BREATHING: Mist or dust can cause damage to nasal and respiratory passages.

SWALLOWING: Results in severe damage to mucous membranes and deep tissues, can result in death on penetration to vital areas.

FIRST AID:

IF ON SKIN: Immediately flush exposed area with water for at least 15 minutes, get medical attention. Remove contaminated clothing. Launder contaminated clothing before re-use.

IF ON EYES: Immediately flush with large amounts of water for 15 minutes, lifting upper and lower lids occasionally. Get immediate medical attention. If physician is not immediately

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available, continue flushing with water.

IF SWALLOWED: DO NOT INDUCE VOMITING. Vomiting will cause further damage to throat. Dilute by giving water. Give milk of magnesia. Keep warm, quiet. get medical attention immediately.

IF BREATHED: If affected, remove individual to fresh air. If breathing difficult, administer oxygen. If breathing has stopped give artificial respiration. Keep person warm, quiet and get medical attention.

PRIMARY ROUTE(S) OF ENTRY: Inhalation, skin contact.

Section 5: Fire-Fighting Measures

FLASH POINT: Not applicable

EXPLOSIVE LIMIT: Not applicable

EXTINGUISHING MEDIA: Water, carbon dioxide or dry chemical

HAZARDOUS DECOMPOSITION PRODUCTS: May form toxic material: hydrogen chloride, acid vapors, etc.

FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode and full body protection when fighting fires.

SPECIAL FIRE & EXPLOSION HAZARDS: Acids reacts with most metals to release hydrogen gas which can form explosive mixtures with air.

Section 6: Accidental Release Measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

SMALL SPILL: Cover the contaminate surface with sodium bicarbonate or a soda ash/slaked lime mixture (50-50). Mix and add water if necessary to form a slurry. Scoop up slurry and wash site with soda ash solution.

LARGE SPILLS: Persons not wearing protective equipment should be excluded from area of spill until clean-up is completed. Stop spill at source. Dike to prevent spreading.

WASTE DISPOSAL METHOD:

SMALL SPILL: Flush down drain with large amounts of water in accordance with applicable regulations.

LARGE SPILLS: Collect and add slowly to large volume of agitated solution of soda ash and slaked lime. Add neutralized solution to excess running water in accordance with applicable regulations.

Section 7: Handling and Storage

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

RESPIRATORY PROTECTION: If workplace exposure limit(s) of product or any component is exceeded (see section II), a NIOSH/MSHA approved supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions. Engineering or administrative controls should be implemented to reduce exposure.

VENTILATION: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(S).

PROTECTIVE GLOVES: Wear resistant gloves such as: Natural rubber, neoprene.

EYE PROTECTION: Chemical splash goggles and face shield (8" min) in compliance with osha regulations are advised; however OSHA regulations also permit other type safety glasses.

OTHER PROTECTIVE EQUIPMENT: To prevent skin contact, wear impervious clothing and boots.

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Section 8: Exposure Control / Personal Protection

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Section 9: Product Properties

Flash Point (CCP): TCC: 200°F

Boiling Point for Product: >212°F

Vapor Pressure for Product: N/D

Vapor Density for Product: >1.00

Specific Gravity: 1.128

V.O.C.: <1%

Water Solubility: SOLUBLE

Appearance: CLEAR THIN LIQUID

PH: 3.5 +/- 0.5

Section 10: Stability and Reactivity

HAZARDOUS POLYMERIZATION: Cannot occur.

STABILITY: Stable

INCOMPATIBILITY: Avoid contact with: Strong alkalies, alkali metals.

Section 11: Toxicological Information

AMMONIUM HYDROGENDIFLUORIDE 1941-49-7

Acute Oral Toxicity LD50 (rat) 130 mg/Kg

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ISOPROPYL ALCOHOL 67-63-0

Acute oral toxicity: LD50 Mouse: 3600 mg/kg

Acute inhalation toxicity: LC50 Rat: 16000 ppm, 8 hours

Acute dermal toxicity: LD50 Rabbit: 12800 mg/kg

Chronic Effects on Humans:

CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC. DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female, Development toxin [POSSIBLE]. May cause damage to the following organs: kidneys, liver, skin, central nervous system (CNS).

Other Toxic Effects on Humans:

Hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant, sensitizer, permeator).

Section 12: Ecological Information

ISOPROPYL ALCOHOL 67-63-0

Ecotoxicity: Ecotoxicity in water (LC50): 100000 mg/l 96 hours [Fathead Minnow]. 64000 mg/l 96 hours [Fathead Minnow].

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

If applicable, IARL, NPT and OSHA carcinogens and chemicals subject to the reporting requirements of SARA Title III, Section 313 are identified in Section III with an "*". Additional ecological information is Not Determined.

Section 13: Disposal Information

Dispose of contents/container in accordance with local regulations.

WASTE DISPOSAL METHOD: Consult local authorities for proper waste disposal procedures. Empty de-pressurized containers can not be reused. Cans which are pressurized or contain liquid must be disposed of in a permitted waste management facility. Consult Federal, State, and local disposal authorities for approved procedures.

Section 14: Transportation Information

DOT Proper Shipping Name: UN2817

Ammonium Hydrogendifluoride Solution

8, 6.1, PG III

Section 15: Regulatory Information

	CAS#	PEL	TLV
AMMONIUM HYDROGENDIFLUORIDE	1941-49-7	<Not Established>	2.5 MG/M3 (F.)
ISOPROPYL ALCOHOL	67-63-0	400 PPM	400 PPM
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All material components are listed in the U.S. TSCA inventory.

Section 16: Other Information

Consumer Product Safety Act Certification.

This product was evaluated by the Company listed above and is certified to be in compliance with the provisions of the Consumer Product Safety Act, the Federal Hazardous Substances Act, and the Poison Prevention Packaging Act, as applicable. This product was manufactured at the location identified on the SDS. The date of manufacture is stamped on the product container. No testing is required to certify compliance with the above mentioned regulation.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.