



Safety Data Sheet

Version: 1
Revision Date: 4/17/2023

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product identifier. 112150 /
Product name. Chemspec Rust Remover
UFI ASNF-40NT-T00S-RJSK

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

Recommended Use. Stain Remover
Uses advised against. Professional Use Only

1.3. Details of the supplier of the safety data sheet

Supplier. Legend Brands
15180 Josh Wilson Road
Burlington, WA 98233
E-Mail: sds@legendbrands.com
800-932-3030

Legend Brands Europe
22 Plover Close Interchange Park
Newport Pagnell MK069PS UK
+44 (0) 1908 611211

Rust-Oleum Europe
Kolenbergstraat 23
3545 Halen, Belgium
+32 (0)13 460 200

1.4. Emergency telephone number INFOTRAC 1-800-535-5053 (North America)
+1-352-323-3500 (International)

Europe 112
Austria +43 1 406 43 43
Belgium Poison center (BE): +32 70 245 245
Denmark Poison Control Hotline (DK): +45 82 12 12 12
Finland Poison Information Centre (FI): +358 9 471 977
France ORFILA (FR): + 01 45 42 59 59
Germany Poison Center Berlin (DE): +49 030 30686 790 | par Poison Center Nord: +49 551 19240
(24h available English / German)
Ireland National Poisons Information Centre (IE): +353 1 8379964 / + 353 1 8092566
Iceland +354 543 2222
Italy Poison Center, Milan (IT): +39 02 6610 1029
Luxembourg 112
Netherlands National Poisons Information Center (NL): +31 88 755 8000 (NB: this service is only available to health professionals)
Norway Poisons Information (NO): + 47 22 591300
Portugal Poison Information Center (PT): +351 800 250 250
Spain Poison Information Service (ES): +34 91 562 04 20
Sweden Poisons Information Center (SV): +46 8 33 12 31
Switzerland Poison Center: Tel 145; +41 44 251 51 51
United Kingdom 111 / 0300 020 0155

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Acute Toxicity, Oral, category 4
Serious Eye Damage, category 1

Skin Corrosion, category 1B

2.2. Label elements**Signal Word**

Danger

Hazardous ingredients which must be listed on the label

Contains

AMMONIUM BIFLUORIDE, Phosphoric acid

Possible Hazards

< 1% of the mixture consists of ingredient(s) of unknown acute dermal toxicity

GHS HAZARD STATEMENTS

H302 Harmful if swallowed.
 H318 Causes serious eye damage.
 H314 Causes severe skin burns and eye damage.

GHS LABEL PRECAUTIONARY STATEMENTS

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER or doctor or physician.
 P501 Dispose of contents/container to an approved waste disposal plant.

GHS SDS PRECAUTIONARY STATEMENTS

P260 Do not breathe dust, fume, gas, mist, vapours, spray.
 P264 Wash face, hands and any exposed skin thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P280 Wear protective gloves, protective clothing, eye protection, face protection.
 P301+P312 IF SWALLOWED: Call a POISON CENTRE/doctor/... if you feel unwell.
 P363 Wash contaminated clothing before reuse.
 P405 Store locked up.

2.3. Other hazards

EMERGENCY OVERVIEW: No Information

SECTION 3: Composition/information on ingredients**3.1. Substances**

This product is a mixture. Health hazard information is based on its components.

3.2. Mixtures

Chemical Name	CAS-No.	EC No.	REACH Reg No.	Wt. %
AMMONIUM BIFLUORIDE	1341-49-7	215-676-4	No Information	>=10 - <20
Phosphoric acid	7664-38-2	231-633-2	No Information	<1

Chemical Name	Classification (1272/2008/EC)	Specific Conc. Limits, M-factors and ATEs
AMMONIUM BIFLUORIDE	Acute Tox. 3 Oral (H301) Skin Corr. 1B (H314)	Eye Irrit. 2; H319: 0.1%<=C<1% Skin Corr. 1B; H314: C>=1% Skin Irrit. 2; H315: 0.1%<=C<1% ATE oral (mg/kg): 130 mg/kg Rat ATE dermal (mg/kg): N.R. ATE inhalation - vapor (mg/l/4h): N.R. ATE inhalation - dust/mist (mg/l/4h): N.R.

Phosphoric acid	Acute Tox. 4 Oral (H302) Skin Corr. 1B (H314)	Eye Irrit. 2; H319: 10%≤C<25% Skin Corr. 1B; H314: C>=25% Skin Irrit. 2; H315: 10%≤C<25% ATE oral (mg/kg): 1530 mg/kg Rat ATE dermal (mg/kg): 2740 mg/kg Rabbit ATE inhalation - vapor (mg/l/4h): N.R.
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For the full text of the H-Statements mentioned in this Section, see Section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice.

Call a physician if irritation develops or persists. When symptoms persist or in all cases of doubt seek medical advice.

Inhalation.

Move to fresh air.

Skin contact.

Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes.

Eye contact.

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Remove contact lenses, if present.

Ingestion.

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Gently wipe or rinse the inside of the mouth with water.

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

Symptoms.

See Section 2.2, Label Elements and/or Section 11, Toxicological effects.

4.3. Indication of any immediate medical attention and special treatment needed

Notes to physician.

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which shall not be used for safety reasons.

High volume water jet.

5.2. Special hazards arising from the substance or mixture

No information available.

5.3. Advice for firefighters

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

Use personal protection recommended in Section 8.

As in any fire, wear self-contained breathing apparatus and full protective gear.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions.

Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas. Do not breathe vapors or spray mist.

Advice for emergency responders.

Use personal protection recommended in Section 8.

6.2. Environmental precautions

Prevent product from entering drains. See Section 12 for additional Ecological information.

6.3. Methods and material for containment and cleaning up**Methods for Containment.**

Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers.

Methods for cleaning up.

Use personal protective equipment as required.

Other information.

No Information

6.4. Reference to other sections

No Information

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling.**

Handle in accordance with good industrial hygiene and safety practice.

Hygiene measures.

See section 7 for more information.

7.2. Conditions for safe storage, including any incompatibilities**Storage Conditions.**

Keep containers tightly closed in a cool, well-ventilated place.

7.3. Specific end use(s)**Specific use(s).**

No Information

Exposure scenario.

No Information Available

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure Limit Values**

Chemical Name	Austria	Belgium	Denmark	European Union.	Finland	France
AMMONIUM BIFLUORIDE 1341-49-7	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Phosphoric acid 7664-38-2	STEL: 2 mg/m3 TWA: 1 mg/m3	STEL: 2 mg/m3 TWA: 1 mg/m3	TWA: 1 mg/m3	STEL: 2 mg/m3 TWA: 1 mg/m3	STEL: 2 mg/m3 TWA: 1 mg/m3	STEL: 0.5 ppm STEL: 2 mg/m3 TWA: 0.2 ppm TWA: 1 mg/m3
Chemical Name	Germany	Iceland	Ireland	Italy	Luxembourg	Netherlands
AMMONIUM BIFLUORIDE 1341-49-7	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Phosphoric acid 7664-38-2	STEL: 4 mg/m3 TWA: 2 mg/m3	STEL: 2 mg/m3 TWA: 1 mg/m3	STEL: 2 mg/m3 TWA: 1 mg/m3	STEL: 2 mg/m3 TWA: 1 mg/m3	STEL: 2 mg/m3 TWA: 1 mg/m3	STEL: 2 mg/m3 TWA: 1 mg/m3
Chemical Name	Norway	Portugal	Spain	Sweden	Switzerland	United Kingdom
AMMONIUM BIFLUORIDE 1341-49-7	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Phosphoric acid 7664-38-2	STEL: 3 mg/m3 TWA: 1 mg/m3	STEL: 2 mg/m3 TWA: 1 mg/m3	STEL: 2 mg/m3 TWA: 1 mg/m3	STEL: 2 mg/m3 TWA: 1 mg/m3	STEL: 4 mg/m3 TWA: 2 mg/m3	STEL: 2 mg/m3 TWA: 1 mg/m3

TWA: Time weighted average

STEL: Short term exposure limit.

Derived No Effect Level (DNEL)

No Information Available

Predicted No Effect Concentration (PNEC)

No Information Available

8.2. Exposure controls**Engineering Measures.**

Showers, eyewash stations, and ventilation systems.

Personal protective equipment.**Eye/Face Protection.**

Safety glasses with side-shields.

Skin and body protection.

Wear suitable protective clothing.

No Information

Respiratory protection.

In case of insufficient ventilation wear suitable respiratory equipment.

Environmental Exposure Controls.

No Information

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	Liquid
Appearance	Clear
Colour	Colorless
Odour	Low
Odour Threshold	No Information
pH	5.5
Melting Point, °C	No Information
Flash Point, °C	93
Boiling Range, °C	100 - 297
Combustibility	Does not Support Combustion
Vapor Pressure, mmHg	No Information
Vapor density	No Information
Specific Gravity (g/cm³)	1.036
Solubility in water	No Information
Partition Coefficient, n-octanol/water	No Information
Auto-Ignition Temperature, °C	No Information
Decomposition temperature, °C	No Information
Viscosity	No Information

9.2. Other information

Volatile organic compounds (VOC) content.	No Information
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9.2.1. Information with regard to physical hazard classes

No Information

9.2.2. Other safety characteristics

Evaporation rate	No Information Available
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SECTION 10: Stability and reactivity**10.1. Reactivity**

Stable under normal conditions.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

None known based on information supplied.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known based on information supplied.

10.6. Hazardous decomposition products

None known.

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity.**

Harmful if swallowed.

Product Information

The product itself has not been tested

Data on individual components are tabulated below

The following values are calculated based on chapter 3.1 of the GHS document.

ATEmix (oral) 1,238.1 mg/kg

ATEmix (dermal) N.R.

CAS-No.	Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
1341-49-7	AMMONIUM BIFLUORIDE	130 mg/kg Rat	N.R.	N.R.
7664-38-2	Phosphoric acid	1530 mg/kg Rat	2740 mg/kg Rabbit	N.R.

11.2. Information on other hazards**Endocrine disrupting properties**

N.A.

Other information.

N.A.

SECTION 12: Ecological information**12.1. Toxicity**

10.50% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Ecotoxicity effects.

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia.
AMMONIUM BIFLUORIDE 1341-49-7	N.D.	N.D.	N.D.
Phosphoric acid 7664-38-2	N.D.	N.D.	N.D.

12.2. Persistence and degradability

No data are available on the product itself

12.3. Bioaccumulative potential

Discharge into the environment must be avoided.

CAS-No.	Chemical Name	Bio. Conc. Factor (BCF)	Octanol-water par. Coeff (KOW)
1341-49-7	AMMONIUM BIFLUORIDE	N.I.	N.I.
7664-38-2	Phosphoric acid	N.I.	N.I.

12.4. Mobility in soil**Mobility in soil.**

No information available

12.5. Results of PBT and vPvB assessment

No data are available on the product itself

12.6. Endocrine disrupting properties

No information available

12.7. Other adverse effects

No information available

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Waste from residues / unused products.**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging.

No Information

Other information.

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

SECTION 14: Transport information**ADR**

14.1. UN number or ID number	2817
14.2. UN proper shipping name	CORROSIVE LIQUID, N.O.S. (AMMONIUM BIFLUORIDE)
14.3. Transport hazard class(es)	8
14.4. Packing group	II
14.5. Environmental hazards	No.
14.6. Special precautions for user	No Information

IMDG

14.1. UN number or ID number	2817
14.2. UN proper shipping name	CORROSIVE LIQUID, N.O.S. (AMMONIUM BIFLUORIDE)
14.3. Transport hazard class(es)	8
14.4. Packing group	II
14.5 Marine Pollutant	No.
Environmental hazards	No.
14.6. Special precautions for user	No Information
14.7. Maritime transport in bulk according to IMO instruments	No Information

IATA

14.1. UN number or ID number	2817
14.2. UN proper shipping name	CORROSIVE LIQUID, N.O.S. (AMMONIUM BIFLUORIDE)
14.3. Transport hazard class(es)	8
14.4. Packing group	II
14.5. Environmental hazards	No.
14.6. Special precautions for user	No Information

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulatory information.

Germany WGK Classification 3

French table of occupational diseases

Not applicable

European Union.

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Persistent Organic Pollutants

Not applicable

Authorizations and/or restrictions on use:

CAS-No.	Chemical Name	Substance subject to authorization per REACH Annex XIV	Restricted substance per REACH Annex XVII
1341-49-7	AMMONIUM BIFLUORIDE	No.	Yes.
7664-38-2	Phosphoric acid	No.	Yes.

EU Substances of Very High Concern

None

International Inventories.

TSCA Complies

DSL Complies

EINECS/ELINCS -

ENCS -

IECSC Complies

KECI Complies

PICCS Complies

AIIC Complies

NZIoC Complies

TSCA United States Toxic Substances Control Act Section 8(b) Inventory.

DSL Canadian 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.

AIIC Australian Inventory of Industrial Chemicals.

NZIoC New Zealand Inventory of Chemicals.

15.2. Chemical safety assessment

No.

SECTION 16: Other information

Revision Date 4/17/2023

Indication of changes: Commission Regulation (EU) 2020/878: amending Annex II by introducing specific requirements regarding nanoforms of substances, adapting to the 6th and 7th revision of the GHS, and adding requirements regarding the Unique Formula Identifier (as set by Annex VIII to Regulation (EC) 1272/2008), endocrine disrupting properties, specific concentration limits, M-factors and acute toxicity estimates.

Legend.

N.D.	No data available.
N.I.	No information available.
N.A.	Not Applicable.
N.R.	Not relevant.

This safety datasheet complies with the requirements of Regulation (EC) No. 2020/878

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