

Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier.

Product identifier. 112150 /
Product name. Chemspec Rust Remover
UFI No Information
Pure substance/mixture. No Information

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

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

Europe	112
Bulgaria	+359 2 9154 409
Cyprus	+357 22405609
Croatia	+385 1 234 8342
Czech Republic	+420 267 225 243
Estonia	112
Greece	+30 210 64 79 407
Hungary	+36 80 20 11 99
Latvia	+371 67032028
Lithuania	+3705 212 6094
Malta	112
Poland	Poison Control and Information Centre, Warsaw (PL): +48 22 619 66 54 par +48 22 619 08 748 22 619 08 97
Romania	+40 21 207 11 06
Slovenia	+386 1 478 6051
Slovakia	+421 2 54 77 4 166

2. Hazards Identification

2.1 Classification of the substance or mixture. REGULATION (EC) No 1272/2008

Acute Toxicity, Oral, category 4
 Skin Corrosion, category 1B

2.2 Label elements.



Signal Word

Danger

Hazardous components which must be listed on the label

AMMONIUM BIFLUORIDE

Possible Hazards

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

GHS HAZARD STATEMENTS

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

GHS SDS PRECAUTIONARY STATEMENTS

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 P264 Wash ... 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.
 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/physician.
 P363 Wash contaminated clothing before reuse.
 P405 Store locked up.
 P501 Dispose of contents/container to ...

2.3. Other Hazards.

EMERGENCY OVERVIEW: No Information

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): N.R. ATE inhalation - dust/mist (mg/l): 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): N.R.

For the full text of the H-Statements mentioned in this Section, see Section 16.

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.

5. Fire-fighting 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.

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 materials for containment and cleaning up.

Methods for Containment.

No Information

Methods for cleaning up.

No Information

Other information.

No Information

6.4 Reference to other sections.

No Information

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

8. Exposure Controls/Personal Protection**8.1 Control parameters****Exposure Limit Values**

Chemical Name	Bulgaria	Croatia	Cyprus	Czech Republic	Estonia	European Union
AMMONIUM BIFLUORIDE 1341-49-7	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Phosphoric acid 7664-38-2	STEL: 2.0 mg/m3 TWA: 1.0 mg/m3	STEL: 2 mg/m3 TWA: 1 mg/m3	STEL: 2.0 mg/m3 TWA: 1 mg/m3	N.D.	STEL: 2 mg/m3 TWA: 1 mg/m3	STEL: 2 mg/m3 TWA: 1 mg/m3
Chemical Name	Greece	Hungary	Latvia	Lithuania	Malta	Ukraine
AMMONIUM BIFLUORIDE 1341-49-7	N.D.	N.D.	STEL: 1 mg/m3 TWA: 0.2 mg/m3	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: 2 mg/m3 TWA: 1 mg/m3	N.D.
Chemical Name	Poland	Romania	Russia	Slovenia	Turkey	
AMMONIUM BIFLUORIDE 1341-49-7	N.D.	N.D.	TWA: 0.2 mg/m3	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	N.D.	STEL: 2 mg/m3 TWA: 1 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

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 / Flash Point, °C	No Information
Flash Point, °C	No Information
Boiling Range, °C	100 - 100
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

9.2.1 Information with regard to physical hazard classes

No Information

9.2.2 Other safety characteristics

Evaporation rate No Information Available

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.

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.

12. Ecological Information

12.1 Toxicity.

10.50% of the mixture consists of ingredient(s) of unknown aquatic toxicity

12.1 Ecotoxicity effects.

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
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

Mobility

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

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.

14. Transport Information

ADR

14.1 UN Number	2817
14.2 Proper Shipping Name	Quarts ship as Limited Quantity CORROSIVE LIQUID, N.O.S. (AMMONIUM BIFLUORIDE)
14.3 Transport hazard class(es)	No Information
14.4 Packing Group	II
14.5 Environmental Hazard	No
14.6 Special Precautions for user	No Information

IMDG

14.1 UN Number	2817
14.2 Proper Shipping Name	Quarts ship as Limited Quantity CORROSIVE LIQUID, N.O.S. (AMMONIUM BIFLUORIDE)
14.3 Transport hazard class(es)	No Information
14.4 Packing Group	II
14.5 Marine Pollutant	No
Environmental Hazard	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	2817
14.2 Proper Shipping Name	Quarts ship as Limited Quantity CORROSIVE LIQUID, N.O.S. (AMMONIUM BIFLUORIDE)
14.3 Transport hazard class(es)	No Information
14.4 Packing Group	II
14.5 Environmental Hazard	No
14.6 Special Precautions for user	No Information

15. Regulatory Information

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

National regulatory information.

1341-49-7	AMMONIUM BIFLUORIDE	N.I.	
7664-38-2	Phosphoric acid	N.I.	

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 (Annex XIV) and/or restrictions on use (Annex XVII), Regulation (CE) 1907/2006

CAS-No.	Chemical Name	Annex XIV Authorisation List	Annex XVII Restricted list
1341-49-7	AMMONIUM BIFLUORIDE	No	Yes
7664-38-2	Phosphoric acid	No	Yes

EU Substances of Very High Concern

CAS-No.	Chemical Name
	N.A.

International Inventories.

TSCA	Complies
DSL	Complies
EINECS/ELINCS	-
ENCS	-
IECSC	-
KECI	-
PICCS	-
AICS	Complies
NZIoC	-

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.
AICS	Australian Inventory of Chemical Substances.
NZIoC	New Zealand Inventory of Chemicals.

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

16. Other Information

Revision Date	11/15/2021	Supersedes Date	6/2/2021
Reason for revision	Revision Description Changed Substance and/or Product Properties Changed in Section(s): 01 - Product Information 03 - Composition/Information on Ingredients 08 - Exposure Controls/Personal Protection 09 - Physical & Chemical Information 12 - Ecological Information 14 - Transportation Information 15 - Chemical Inventories 15 - Regulatory Information Revision Statement(s) Changed		

Text for GHS Hazard Statements shown in Section 3 describing each ingredient:

H301	Toxic if swallowed.
H314	Causes severe skin burns and eye damage.

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. 1907/2006