

Safety Data Sheet

Villafix – Rust Stain Remover

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

- 1.1. Product identifier Villafix – Rust Stain Remover
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
Rust Stain Remover
- 1.3. Details of the supplier of the safety data sheet
Stone Paving Supplies Ltd
6 Cinder Lane,
Barrow Bridge, Bolton BL1 7LZ
Telephone: 0333 600 4567
E-mail address: sales@stonepavingsupplies.co.uk
- 1.4. Emergency telephone number Mon-Fri (8:30 – 17:00): 0333 600 4567

2. Hazards identification.

2.1. Classification of the substance or mixture:

The product is classified as hazardous pursuant to the provisions set forth in Directives 67/548/EEC and 1999/45/EC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

2.1.1. Regulation 1272/2008 (CLP) and following amendments and adjustments.

Hazard classification and indication: Skin Irrit. 2: H315
Eye Irrit. 2: H319
Aqu. Chron. 3: H412
GHS07

2.2. Label elements (EC) No. 1272/2008:

Warning symbols:



Signal Word:

Warning

Hazard Statement/s (H):

H315 – Causes skin irritation.
H319 – Causes serious eye irritation.
H412 – Harmful to aquatic life with long lasting effects.

Precautionary Statement/s (P):

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P103: Read label before use.
P262: Do not get in eyes, on skin, or on clothing.
P280 Wear protective gloves/ eye protection/ face protection.

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P302 + P352: IF ON SKIN: Wash with plenty of soap and water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. Other hazards: None

3. Composition/information on ingredients.

3.1. Substances: Information not relevant.

3.2. Mixtures.

Contains:

HYDROGEN ACETATE

CAS	EC number	CLP Classification	Percent
64-19-7	200-580-7	Flam. Liq.3 - H226 Skin Corr.1A - H314 Eye Dam.1 - H318	1 - 15%

4. First aid measures

4.1. Description of first aid measures

General information:

Remove soiled or soaked clothing immediately. Ensure that the First Aid Personnel are aware of the product involved and take precautions to protect themselves (e.g., wear personal protection equipment).

After inhalation:

Ensure supply of fresh air.

After contact with skin

In case of contact with skin wash off with soap and water. If skin irritation persists, call a physician.

After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 5 minutes. Consult an eye specialist immediately.

After ingestion

Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician immediately.

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

Symptoms:

See Section 11 for more detailed information on health effects and symptoms.

Hazards:

See Section 11 for more detailed information on health effects and symptoms.

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

Treatment:

Treat symptomatically.

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5. Firefighting measures.

5.1. Extinguishing media.

SUITABLE EXTINGUISHING MEDIA: The product is non-flammable. Use extinguishing media appropriate for surrounding fire.

EXTINGUISHING MEDIA WHICH SHALL NOT BE USED FOR SAFETY REASONS: None in particular.

5.2. Special hazards arising from the substance or mixture.

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE: Strong heating may produce combustible vapours which can form explosive mixture with air. In case of fire hazardous decomposition products may be produced such as: Carbon oxides

5.3. Advice for fire fighters.

GENERAL INFORMATION: The product is non-flammable. Use extinguishing media appropriate for surrounding fire.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS: Wear full protective clothing and breathing apparatus if there is a risk of exposure to smoke or fumes from other source.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Provide adequate ventilation. Avoid contact with skin and eyes. Do not breathe vapours or spray mist.

6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. If the product contaminates rivers and lakes or drains inform respective authorities. Local authorities should be advised if significant spillages cannot be contained.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (e.g., sand, kieselguhr, universal binder)
When picked up, treat material as prescribed under heading "Disposal".

6.4. Reference to other sections

Additional information
Small spills should present no problem. For information regarding Safe Handling, see chapter 7. For information regarding personal protective measures, see chapter 8. For information regarding Waste Disposal, see chapter 13.

7. Handling and storage.

7.1. Precautions for safe handling: Keep container tightly closed. Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity.

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Hygiene measures: Keep away from food, drink and animal feedingstuffs. Smoking, eating and drinking should be prohibited in the application area. Take off all contaminated clothing immediately.

7.2. Conditions for safe storage, including any incompatibilities.

Requirements for storage areas and containers:

Keep only in the original container. Keep in an area equipped with acid resistant flooring. Suitable materials for containers: polyethylene containers; Stainless steel

Advice on protection against fire and explosion:

Gives off hydrogen by reaction with metals. Risk of explosion.

Further information on storage conditions:

Keep tightly closed in a dry and cool place. Keep in a well-ventilated place.

7.3. Specific end use(s):

Information not available. Refer to product label.

8. Exposure controls/personal protection

8.1. Control parameters

Component:	Hydrogen acetate	CAS-No. 64-19-7
Derived No Effect Level (DNEL)/Derived Minimal Effect Level (DMEL)		

DNEL		
Workers, Long-term - local effects, Inhalation	:	25 mg/m ³
DNEL		
Workers, Acute - local effects, Inhalation	:	25 mg/m ³
DNEL		
Consumers, Long-term - local effects, Inhalation	:	25 mg/m ³
DNEL		
Consumers, Acute - local effects, Inhalation	:	25 mg/m ³

Predicted No Effect Concentration (PNEC)

Fresh water	:	3.058 mg/l
Marine water	:	0.306 mg/l
Intermittent releases	:	30.58 mg/l
Sewage treatment plant (STP)	:	85 mg/l
Fresh water sediment	:	11.36 mg/kg d.w.
Marine sediment	:	1.136 mg/kg d.w.
Soil	:	0.47 mg/kg d.w.

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8.2. Exposure controls.

Appropriate engineering controls

Refer to protective measures listed in sections 7 and 8.

Personal protective equipment

Respiratory protection

Advice: Required, if exposure limit is exceeded (e.g., OEL). Respirator with a gas filter Recommended Filter type: E

Hand protection

Advice: The glove material has to be impermeable and resistant to the product / the substance / the preparation. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). Protective gloves should be replaced at first signs of wear.

Material: butyl-rubber

Break through time: ≥ 8 h

Glove thickness: 0.5 mm

Material: polychloroprene

Break through time: ≥ 8 h

Glove thickness: 0.5 mm

Material: fluorocarbon rubber

Break through time: ≥ 8 h

Glove thickness: 0.4 mm

Material: Polyvinylchloride

Break through time: ≥ 8 h

Glove thickness: 0.5 mm

Eye protection

Advice: Tightly fitting safety goggles

Skin and body protection

Advice: Acid resistant protective clothing.

Environmental exposure controls

General advice: Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.
If the product contaminates rivers and lakes or drains inform respective authorities.
Local authorities should be advised if significant spillages cannot be contained.

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9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid.
Form:	Liquid.
Colour:	Clear.
Odour:	Stinging.
Miscibility with water:	Miscible.
Solubility/qualitative:	Not tested.

9.2. Other information: None.

10. Stability and reactivity.

10.1. Reactivity:	There are no particular risks of reaction with other substances in normal conditions of use.
10.2. Chemical stability:	The product is stable in normal conditions of use and storage.
10.3. Possibility of hazardous reactions:	Incompatible with oxidizing agents. Gives off hydrogen by reaction with metals.
10.4. Conditions to avoid:	Heat.
10.5. Incompatible materials:	Oxidizing agents, Bases, Alcohols, Light metals, Nitric acid, Reacts with base metals.
10.6. Hazardous decomposition products:	Heating can release vapours which can be ignited.

11. Toxicological information.

11.1. Information on toxicological effects

Data for the product

Acute toxicity

Inhalation

Acute toxicity estimate : 160 mg/l (Calculation method)

Dermal

Acute toxicity estimate : 4240.02 mg/kg (Calculation method)

Irritation

Skin

Result : Irritating to skin. (Rabbit)

Eyes

Result : Severe eye irritation (Rabbit) Risk of serious damage to eyes.

CMR effects

CMR Properties

Carcinogenicity : Please find this information in the listing of the component/components below in this section.

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Mutagenicity	:	Please find this information in the listing of the component/components below in this section.
Teratogenicity	:	Please find this information in the listing of the component/components below in this section.
Reproductive toxicity	:	Please find this information in the listing of the component/components below in this section.

Other toxic properties

Aspiration hazard

: No aspiration toxicity classification,

Component	Hydrogen Acetate	CAS-NO. 64-19-7
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Acute toxicity

Oral

LD50 : 3310 mg/kg (Rat)

Inhalation

LC50 : > 40 mg/l (Rat; 4 h)

Dermal

: Study scientifically not justified.

Sensitisation

Result : Did not cause sensitisation on laboratory animals.

12. Ecological information.

12.1. Toxicity:

Component	Hydrogen Acetate	CAS-No. 64-19-7
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Acute toxicity

Fish

LD50 : 75 mg/l (Lepomis macrochirus; 96 h)
LC50 : 88 mg/l (Pimephales promelas; 96 h)
LC50 : > 300.82 mg/l (Oncorhynchus mykiss (rainbow trout); 96 h) (OECD Test Guideline 203)

Toxicity to daphnia and other aquatic invertebrates

EC50 : > 300.82 mg/l (Daphnia magna (Water flea); 48 h) (OECD Test Guideline 202)

algae

ErC50 : > 300.82 mg/l (Skeletonema costatum (marine diatom); 72 h)

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12.2. Persistence and degradability:	Information not available.
12.3. Bio accumulative potential:	The product does not contain any substances expected to be bio accumulating.
12.4. Mobility:	Miscible in water.
12.5. Results of PBT and vPvB assessment:	Not identified as a PBT and vPvB.
12.6. Other adverse effects:	Do not flush into surface water or sanitary sewer system. Harmful effects to aquatic organisms due to pH-shift. Avoid subsoil penetration.

13. Disposal considerations

13.1. Waste treatment methods

Product:	Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not let product enter drains. Contact waste disposal services.
Contaminated packaging:	Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

14. Transport information

Section 14.1. to 14.5.

ADR:	Not restricted.
ADNR:	Not restricted.
RID:	Not restricted.
IATA:	Not restricted.
IMDG:	Not restricted.

14.6. Special precautions for user See sections 6 to 8 of this Safety Data Sheet.

15. Regulatory information

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

Other regulations: Apart from the data/regulations specified in this chapter, no further information is available concerning safety, health and environmental protection.

15.2. Chemical safety assessment: No chemical safety assessment has been processed for the mixture.

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16. Other information

Legend

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
BCF	bioconcentration factor
BOD	biochemical oxygen demand
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
CMR	carcinogenic, mutagenic or toxic to reproduction
COD	chemical oxygen demand
DMEL	Derived Minimal Effect Level (genotoxic substances)
DNEL	Derived No Effect Level
EINECS	European Inventory of Existing Commercial Chemical Substances
GHS	Globally Harmonized System
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	median lethal concentration
LOAEC	lowest observed adverse effect concentration
LOAEL	lowest observed adverse effect level
LOEL	lowest observed effect level
NLP	no-longer polymer
NOAEC	no observed adverse effect concentration
NOAEL	no observed adverse effect level
NOEC	no observed effect concentration
NOEL	no observed effect level
OECD	Organisation for Economic Cooperation and Development
OEL	Occupational Exposure Limit
PBT	Persistent, Bio accumulative, Toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	International Rule for Transport of Dangerous Substances by Railway
SVHC	Substances of Very High Concern
STOT	specific target organ toxicity
UVCB	substance of unknown or variable composition, complex reaction
vPvB	very Persistent and very Bio accumulative

The data is based on the current state of our knowledge and are intended to describe the product regarding the requirements of safety. The data should not be taken to imply any guarantee of a general or specific specification. It is the responsibility of the user of the product to ensure to their satisfaction that the product is suitable for the intended purpose and method of use. We do not accept responsibility for any harm caused by the use of this information. In all cases, our general conditions of sale apply.