

Safety data sheet 09/25/2017 Rev. 0001

1. Product and Society identification

Product Name: **RUST SHIELD**
Product type and use: Polymer dispersion in water to convert the ferric oxide (rust) into complex salts, insoluble. To restore irons and sheets.
Producer: Kingfield Construction Products
20 N 4th St, Suite 300
Minneapolis, MN 55401 USA
Tel. +1 612.225.5167
Fax +1 612.225.5167

Emergency telephone number of the company and / or an authorized consultation:

Kingfield Construction Products Tel. +1 612.225.5167

Available after hours: No.

2. Ingredients composition/information

Dangerous substances for health in accordance with Directive 67/548/EEC and following adjustments or for which there are recognized exposure limits and their ranking:

oxalic acid Xn N CAS: 144-62-7 EINECS: 205-634-3 R21/22 R51/53

3. Dangers identification

The product in contact with the eyes may cause irritation. Skin contact may cause temporary irritation.

In the environment it may increase water acidity.



N



Xn

4. Medical aid intervention

General advice: Never give anything by mouth to an unconscious person Inhalation:
In case of inhalation, take away the patient in a well ventilated one
area.

If you feel sick, seek medical advice.

Skin contact: Wash with abundant water and soap, do not use solvents.

Eyes contact: Wash immediately with plenty of running water for at least 15
minutes.

In case of persistent irritation, see a doctor.

Ingestion: See a doctor. Wash mouth thoroughly and drink abundant water. Keep
the person monitored.

5. Fire measure

Protection measures: Use insulating breathing external air intake during firefighting
operations.

Suitable extinguishing: Use extinguishing agents suitable for coating materials.

Forbidden fire extinguisher: Water.

6. Measure in case of accidental dispersion

Personal precautions: Avoid eyes and skin contact.
 Environmental precautions: Do not pour the product into waterways or soil.
 Cleaning measure: Absorb the product with inert material, such as earth or sand.
 Combustion risks: In case of fire, toxic gases may be released.

7. Handling and storage

Precautions: Take the same precautions used when handling chemical products.
 Storage: Store the product away from sunlight and frost at temperatures between 40°F (+5°C) and 95°F (+35°C).
 Packaging: Exclusively use plastic buckets.
 Incompatible materials: Keep away from food.

8. Personal protection/exposure control

Hand protection: PVC gloves, neoprene or nitrile rubber.
 Eyes protection: Use safety glasses.
 Skin protection: Change any contaminated clothes.
 Inhalation: In case of use in non-well-ventilated premises, use breathing masks.

9. Physical and chemical property

Aspect:	Liquid
Color:	Beige
Smell:	-
Flammability:	Non-flammable
Specific weight:	1.01 kg/liter
Water solubility:	Soluble
Boiling point:	212°F (100°C)
PH:	1.5

10. Stability and reactivity

Conditions to avoid: Do not leave the product under the sunlight and at temperature lower than 40°F (+5°C) and higher than 95°F (+35°C).
 Incompatibility: The addition of chemical products may cause coagulation.
 Dangerous reactions: If the product comes into contact with basic substances, strong exothermic reaction can be produced.

11. Toxicological information

Indications and symptoms

Eyes contact: possible irritation
 Skin contact: prolonged exposure, during use, may cause skin irritation.

12. Ecological information

Product residues should be disposed of according to current local and national legal requirements.
 Do not allow penetration into soil and water.

13. Disposal

Product recommendations: small amounts poured (spots) on the floor can be cleaned with water.

For disposal, the product can be sent to a landfill or an incineration plant.

Contaminated packaging recommendations:

Keep the containers for disposal. Do not throw them away into rivers or on soil.

14. Transport information

Road transport: not subjected to restriction

See transport: not subjected to restriction

Air transport: not subjected to restriction

15. Regulations information

It is classified as dangerous substance.

Symbols:

Xi - irritating

N - dangerous for the environment

R-phrases:

R21/22 Harmful by ingestion and skin contact

R51/53 toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S-Phrases:

S29 Do not pour residues into sewers

S37/39 Wear protective gloves and protect eyes / face

16. Further information

Main bibliography: NIOSH – Registry of toxic effects of chemical substances (1983)

National Institute of Health - Material Safety Data Sheets of organic solvents used in industrial technological processes (1985)

National Institute of Health - National inventory of chemical substances

ECDIN – Environmental chemicals data and information network – Joint research centre, Commission of the European Communities ACGIH – Threshold limit values (2000)

SAX'S – Dangerous properties of industrial materials – tenth edition

The information enclosed therein are based on our knowledge at the above date. They are only reported to the indicated product and they do not constitute guarantee of special qualities. The user must make sure of these information suitability and completeness in relation to the specific use he has to do. This schedule revokes and replaces any previous edition.

For more information, contact Kingfield technical department or visit: www.kingfieldcp.com