**Kingfield Rust Shield**

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 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