

RUDSIL
silicate corrosion inhibitor
in pasteurization and sterilization processes

Application:

Rudsil prevents from corroding of steel packages during sterilization and pasteurization in water medium. Prevents installations from boiler scales. Applied for food processing industry, especially meat, fruit and vegetable industry.

Characteristic:

Opalescent liquid, gray-greenish in color, odorless.

pH reaction: (1% solution) approx. 11

Certificate State Hygienic Institute No. HK/B/2827/01/98

Usage:

Directly to water in container (pasteurization) or autoclave (sterilization) quantity : 0,3 – 2 g/dm³ of water.. If water contains small quantity of carbonates and has strong corrosion characteristic a dose of Rudsil should amount to 1-2 g per 1dm³ of water.

When cans are taking out of pasteurizer pH reaction should amount to ≥ 9 . Monitoring may be done by using phenolphthalein (e.g. 5 drops per 20 cm³ of water).

- light pink in color – too little Rudsil
- red in color – dose correct
- dark violet in color – too much Rudsil

Temperature of metal's wall from water side cannot exceed 150°C.

Chemical composition:

Sodium silicates, organic inhibitor, detergent.

Regulatory information:

High alkaline product. Strong irritation effect both sprayed and solution

Use protective gloves and goggles.

Irritated eyes flush with plenty of water at least 15 min.

Non-combustible.

Packaging:

Plastic or steel containers.

Storage:

Tightly closed containers in temperature 0 – 40°C.

Transportation:

Covered means of railway and road transportation. This product is not regulated hazardous material for transportation according to RID & ADR rules. Certificate no. 072/IPO/2003.

UN Number: None

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