

Safety Data Sheet

IRONSAVE

1. Identification of the substance / of the preparation and company

1.1 Identification of the substance or preparation

Denomination IRONSAVE

1.2 Use of the substance / preparation

Description/Use Corrosion inhibitor for use in hydrochloric acid pickling solutions

1.3 Identification of the company

Name of the company SOPRIN S.r.l.
Address Via dell'Industria 106
Town and State Maserada Sul Piave (TV)
ITALIA
tel. (+39) 0422 521025
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e-mail of the person, responsible of the safety data sheet Alessandro Padovan e-mail soprin@soprin.it

1.4 Phone number for emergency calls tel. (+39) 0422 521025 during office hours

2. Hazard identification

According to EEC directives 67/548 and 1999/45/CE as amended and corrected, the preparation is not classified as hazardous. Anyhow, as the preparation contains hazardous substances at a concentration that needs to be declared under section n.3, it requests a material safety data sheet in compliance with the EEC Regulations 1907/2006 and following amendments.

3. Composition / Information on ingredients

Contains:

Denomination	Concentration (C)	Classification
2-METHYL-2,4-PENTANEDIOL CAS No 107-41-5 EEC No 203-489-0 Index No 603-053-00-3	1,6 ≤ C < 1,8	Xi R36/38

The complete text of the R-phrases is written under section 16 of the sheet.

4. First aid interventions

Events of health damage caused by the product are not known. It is anyway recommended to respect the rules of good industrial hygiene.

Ingestion: Do not swallow the product. In case of ingestion seek immediately medical attention and guide the injured to the closest emergency room.

Contact with skin: Rinse immediately with plenty of water. Remove contaminated clothing and wash them.

Contact with eyes: Rinse immediately with plenty of water with open eyes.

5. Fire-fighting measures

GENERAL INFORMATION

Cool down the containers with water spray to avoid decomposition of the product and the development of substances which might be potentially hazardous. Wear always complete fire-fighting equipment.

Collect waste water and do not dump into sewer system. Dispose water used for fire fight in accordance with the laws in force.

SUITABLE EXTINGUISHING MEDIA

Traditional extinguishing media as: CO₂, foam, dry powder and nebulized water.

NOT SUITABLE EXTINGUISHING MEDIA

None in particular.

HAZARDS CAUSED BY EXPOSITION IN CASE OF FIRE

Avoid breathing combustion products (carbon monoxide, toxic pyrolysis products, etc.).

EQUIPMENT

Helmet with visor, fireproof clothing (fireproof jacket and trousers with strips around arms, legs and waist), working gloves (fire fighting, cut resistant and dielectric), overpressure mask giving complete face protection or rebreather in case of large quantity of smoke.

6. Accidental release measures

INDIVIDUAL PRECAUTIONS

Use breathing protection in case of vapour or dust in the air.

ENVIRONMENTAL PRECAUTIONS

Do not let product enter drainage system, subsurface water and surrounding areas.

METHODS FOR CLEANING UP

Contain with soil or inert material. Collect material as much as possible and flush away traces with water. Disposal of contaminated material has to be done in accordance as under paragraph 13.

7. Handling and storage

Assure availability of cooling equipment for the containers, in order to avoid danger of overpressure and overheating in case of fire nearby.

Handling: the operator has to be aware of the risks he is exposed to and has to use the following means of personal protection according to circumstances:

- PVC or rubber gloves
- safety footwear or neoprene boots
- goggles giving complete protection to eyes

In case of pouring off do not draw with the mouth.

Storage: keep containers tightly closed. Special precautions are not requested. Storage place has to be kept at a temperature of at least 5°C; there are no humidity limitations.

8. Exposure control / Personal protection

8.1 Exposure limit values

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8.2 Exposure controls

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Respect the rules of good industrial hygiene, using adequate individual means of protection as gloves, goggles giving complete protection to eyes and overall. Do not eat, drink or smoke while using the product; carefully wash hands with water and soap before having a meal and after each working shift. A sanitary control is suggested; its frequency and modality is established by the physician.

9. Physical and chemical properties

Physical state	Liquid
Colour	Colourless
Odour	Weakly pungent
Solubility	Completely miscible in water
Vapour density	Not available
Evaporation speed	Not available
Combustion-related properties	No
Partition coefficient: n-octanol/water:	Not available
pH	5,5
Boiling point	100°C
Flash point	>60°C
Explosive properties	Not available
Vapour pressure	Not available
Specific gravity at 20°C	1000 kg/m ³
Freezing point	<0°C
Viscosity	No

10. Stability and reactivity

The product is stable during normal use and storage conditions. Vapours which are potentially harmful for health can be released by thermal decomposition or in case of fire.

11. Toxicological information

There are no known episodes of health damage caused by exposure to the product. In any case it is suggested to operate according to the rules of good industrial hygiene. In case of specially sensitive persons the preparation may provoke slight effects on health due to exposure, inhalation and/or contact to skin or eyes and/or ingestion.

12. Ecological information

Use in accordance to good working practice, avoiding leakage of product in the ambient. Advise local authorities if the product has reached water courses or sewer systems or if it has contaminated the soil or vegetation.

13. Disposal considerations

Reuse, if possible. Residues of the product have to be considered as special not hazardous waste. Disposal has to be made through a company which is authorized to handle waste, in accordance to national and local regulations.

CONTAMINATED PACKING

Contaminated packing has to be returned or disposed in accordance to national regulations concerning waste management.

14. Transport information

The product is not harmful, in accordance to the rules for transport of dangerous goods on land (A.D.R.), on rail (RID), by sea (IMDG Code) and by air (IATA).

15. Regulatory information

Danger symbols: none

Risk phrases (R): none

S-phrases: none

Safety data sheet available on request for professional end-users.

The product does not require labelling for harmful products, in accordance with EU directives 67/548/EEC and 1999/45/EEC as amended and corrected.

Regulation 96/61/CEE and amendments.

16. Other information

Text of R-phrases mentioned under section 3 of the data sheet:

R36/38 IRRITATING TO EYES AND SKIN.

GENERAL BIBLIOGRAPHY:

1. Directive 1999/45/CE and amendments
2. Directive 67/548/CEE and amendments and adaptations (XXIX technical adaptation)
3. Regulation (CE) 1272/2008 of the European Parliament (CLP)
4. Regulation (CE) 1907/2006 of the European Parliament (REACH)
5. The Merck Index. Ed. 10
6. Handling Chemical Safety
7. Niosh - Registry of Toxic Effects of Chemical Substances
8. INRS - Fiche Toxicologique
9. Patty - Industrial Hygiene and Toxicology
10. N.I. Sax - Dangerous properties of Industrial Materials-7 Ed., 1989

Notice to user:

The information above is believed to be accurate and represents the best information currently available to us. Users should make their own investigations to determine the suitability of the information for their particular purposes.

However, we make no warranty with respect to such information and of any specific property of the product, and we assume no liability resulting from its use.

As the use of the product is not under our direct control, it is the duty of the user to observe under its own responsibility all hygiene and safety regulations in force.

Amendments made compared to previous revision

The following sections have been modified:

01 / 02 / 03 / 04 / 05 / 08 / 09 / 13 / 14 / 15 / 16