

Safety Data Sheet

1. Identification of the substance / preparation and the Company

1.1 Identification of the substance or preparation

Product name Remove ER10
Chemical name and synonym Acqueous solution of periodic acid

1.2 Use of the substance / preparation

Intended use Concentrated emulsion reclaimer

1.3 Company identification

Name SAATI SPA
Full address VIA MILANO 14
District and Country 22070 APPIANO GENTILE (CO)
ITALY
Tel. +390319711
Fax +39031933392

1.4 Emergency telephone

SAATI S.p.A
Tel. +390319711
Fax +39031933392

For urgent inquiries refer to

Centro Antiveleni
Ospedale Niguarda
Tel. +390266101029

2. Composition / Information on ingredients

Contains:

Name	Concentration C	Classification
Periodic acid	50 <= C < 54	R 8
Cas No 10450-60-9		C R34
CE No 233-937-0		

The complete text of -R- phrases is specified in section 16.

3. Hazards Identification

3.1 Substance/Preparation Classification

This prepareate is dangerous under 67/548/EEC and 1999/45/EC regulations and subsequent amendments. Therefore, this prepareate requires a safety data sheet according to the 91/155/EC regulation and subsequent amendments. Further information on health and/or environmental hazards can be found in sections 11 and 12 of this sheet.

Danger Symbols: O-C
Phrases R: 8-35

3.2 Danger Identification

CONTACT WITH COMBUSTIBLE MATERIAL MAY CAUSE FIRE.
CAUSES SEVERE BURNS.

4. First aid measures

EYES: Irrigate copiously with clean, fresh water for at least 15 minutes. Seek medical advice.

SKIN: Wash immediately with plenty of water. Remove contaminated clothing. If irritation persists, seek medical attention. Wash contaminated clothing before using them again.

INHALATION: Remove to open air. If breathing is irregular, seek medical advice.

INGESTION: Obtain immediate medical attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person.

5. Fire-fighting measures

In the event of a fire in the vicinity, immediately cool the containers in order to avoid the risk of explosions and the development of gas hazardous to health and safety. Wear the fire equipment all the time.

Periodic acid:

Fire-promoting. Keep away from combustible materials. Development of hazardous combustion gases or vapours possible in the event of fire. The following may develop in event of fire: hydrogen iodide

6. Accidental release measures

Do not allow the product to dry in order to avoid risk of combustion. Eliminate all sources of ignition. Cover with inert absorbent material and collect the resulting mass with nonsparking tools.

Use water only to remove the residues in order to avoid spillage of the product in the drainage system. For information regarding environmental and health risks and protective measures, refer to the specific sections of this sheet.

7. Handling and storage

Store in a well ventilated place, keeping the containers closed when not used. Do not smoke while handling. Keep far away from sources of heat, naked flames and sparks and other sources of ignition.

8. Exposure control / personal protection.

In order to minimize exposure as far as possible, it is strongly recommended to use adequate individual protective measures, such as: masks suitable for the product, goggles, gloves and overall. Do not eat, drink or smoke while handling it. Accurately wash the hands with soap and water before meals and at the end of the work shift.

9. Physical and chemical properties

Colour	Colourless
Odour	Odourless
Appearance	Liquid
Solubility	Soluble in water
Viscosity	N.A.
Vapour density	<1
Evaporation speed	N.A.
Comburent properties	N.A.
Partition coefficient: n-octanol/water	N.A.
pH	0,5
Boiling point	>100°C
Flash point	N.A.
Explosive properties	N.A.
Vapour pressure	N.A.
Specific gravity	1,500Kg/l
Solid content:	49,00 %

10. Stability and reactivity

The product can decompose and/or violently react.

Periodic acid:

Conditions to be avoided: HEATING

Substances to be avoided: sulfoxides, organic combustible substances, nonmetals, oxidizable substances

11. Toxicological information

This product is corrosive and causes serious burns and vesicles on the skin, which can arise even after exposure. Burns are very stinging and painful. Upon contact with eyes, it may cause serious harm, such as cornea opacity, iris lesions, irreversible eye coloration. Possible vapours are caustic for the respiratory system and may cause pulmonary edema, whose symptoms sometimes arise only after some hours. Exposure symptoms may include: sting, cough, asthma, laryngitis, respiratory disorders, headache, nausea and sickness. If swallowed, it may cause mouth, throat and oesophagus burns, sickness, diarrhoea, edema, larynx swelling and, consequently, asphyxia. Perforation of the gastro-intestinal tract is also possible.

Periodic acid:

After inhalation: Irritations of the mucous membranes, coughing and dyspnoea.

After skin and eye contact: burns.

After swallowing: burns in mouth, throat, oesophagus and gastrointestinal tract.

Possible symptoms: asthma, bronchitis, exanthem

The product should be handled with the care usual when dealing with chemicals

12. Ecological information

Use this product according to good working practices. Avoid litter. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

Periodic acid:

No ecological problems are to be expected when the product is handled and used with due care and attention

Do not allow to enter waters, waste water or soil

13. Disposal consideration

The product is to be classified as a special waste which cannot be treated as city wastes because it is dangerous.

14. Transport information

These goods must be transported by vehicles authorized to the carriage of dangerous goods according to the provisions set out in the current edition of the Code of International Carriage of Dangerous Goods by Road (ADR) and in all the applicable national regulations.

These goods must be packed in their original packaging or in packaging made of materials resistant to their content and not reacting dangerously with it. People loading and unloading dangerous goods must be trained on all the risks deriving from these substances and on all actions that must be taken in case of emergency situations.

Road and rail transport:

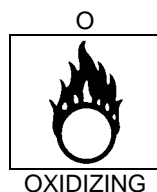
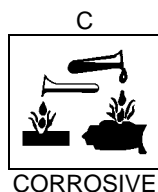
ADR: 5.1
UN: 3098
Packing Group: II
Label: 5.1 + 8
Proper Shipping Name: OXIDIZING LIQUID, CORROSIVE, N.O.S. (periodic acid solution)

Carriage by sea (shipping):

IMO class: 5.1
UN: 3098
Packing Group: II
Label: 5.1 + 8
EMS: F-A, S-Q
Proper Shipping Name: OXIDIZING LIQUID, CORROSIVE, N.O.S. (periodic acid solution)

Transport by air:

IATA: 5.1
UN: 3098
Packing Group: II
Label: 5.1 + 8

15. Regulatory information

R 8 CONTACT WITH COMBUSTIBLE MATERIAL MAY CAUSE FIRE.
R35 CAUSES SEVERE BURNS.
S26 IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.
S28 AFTER CONTACT WITH SKIN, WASH IMMEDIATELY WITH PLENTY OF WATER.
S36/37/39 WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.
S45 IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).

Contains:
Periodic acid

Danger labelling under regulations 67/548/EEC and 1999/45/EC and following amendments and adjustments.

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC regulation is respected.

16. Other information

Text of -R- phrases quoted in section 2 of the sheet.

R 8 CONTACT WITH COMBUSTIBLE MATERIAL MAY CAUSE FIRE.
R34 CAUSES BURNS.

GENERAL BIBLIOGRAPHY

1. Regulation 1999/45/CE and following amendments;
2. Regulation 67/548/CEE and following amendments and adjustments (XXIX A.T.P.);
3. Regulation 91/155/CEE and following amendments;
4. The Merck Index. - 10th Edition;
5. Handling Chemical Safety;
6. Niosh - Registry of Toxic Effects of Chemical Substances;
7. INRS - Fiche Toxicologique (toxicological sheet);
8. Patty - Industrial Hygiene and Toxicology;
9. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition;

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product .

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.