

MATERIAL SAFETY DATA SHEET

1. Product Name: Rustguard

Product use: Washing and cleaning and removal of stain & rust.

Company Name : Medizysis India Private Limited

Manufactured By : Zenith Chemical And Allied Industries

Emergency Phone: 9953172258, 011-22343535

2. Composition/information on ingredients

Information on Ingredients:

Name	CAS No.	% Range
phosphoric acid	7664-38-2	>=50
Citric Acid	. 77-92-9	0-10%

3. HAZARDS IDENTIFICATION

Hazard symbols

corrosive

R phrases

Causes burns.

S phrases

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

27/28 After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water wear suitable protective clothing, gloves and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated, soaked clothing immediately and dispose of safely. Clean body thoroughly (bath, shower). In any case show the physician the Safety Data Sheet.

After inhalation

Ensure supply of fresh air. When spray fog inhaled, seek medical aid.

After skin contact

After contact with skin, wash immediately with plenty of water. Take medical treatment.

After eye contact

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water.

Summon

a doctor immediately.

After ingestion

If swallowed, seek medical advice immediately and show this container or label. Rinse mouth thoroughly

with water. Let plenty of water be drunk in small gulps. Do not induce vomiting.

Adhere to personal protective measures when giving first aid

First aider: Pay attention to self-protection!

4.2. Most important symptoms and effects, both acute and delayed

Until now no symptoms known so far.

4.3. Indication of any immediate medical attention and special treatment needed

Hints for the physician / hazards

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Extinguishing measures to suit surroundings

Non Suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of combustion evolution of dangerous gases possible.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Do not inhale explosion and/or combustion gases. In case of combustion use a suitable breathing apparatus.

Collect contaminated fire-fighting water separately, must not be discharged into the drains. Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing. Refer to protective measures listed in sections 7 and 8.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material. Dispose of absorbed material in accordance with the regulations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid formation of aerosols. Observe the usual precautions for handling chemicals. Keep container tightly closed.

Advice on protection against fire and explosion

The product is not combustible.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep in original packaging, tightly closed. Storage rooms must be properly ventilated. Containers which

are opened must be carefully resealed and kept upright to prevent leakage.

Storage class according to TRGS 510

Storage class according to TRGS 510

8B Non-combustible corrosive hazardous substances

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Other information

There are not known any further control parameters.

8.2. Exposure controls

General protective and hygiene measures

Hold eye wash fountain available. Hold emergency shower available. Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes. Do not eat, drink or smoke during work time. Wash hands before breaks and after work. Clean skin thoroughly after work; apply skin cream.

Respiratory protection

If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn.

Hand protection

Chemical resistant gloves

Appropriate Material neoprene

Appropriate Material Butyl rubber

Eye protection

Safety glasses with side protection shield

Body protection

Clothing as usual in the chemical industry. Protective shoes

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Form liquid

Colour colourless

Odour characteristic

pH value

Value appr. 0,7

Melting point

not determined

Freezing point

not determined

Initial boiling point and boiling range

not determined

Flash point

Not applicable

Evaporation rate (ether = 1) :

not determined

Flammability (solid, gas)

not determined

Upper/lower flammability or explosive limits

not determined

Vapour pressure

not determined

Vapour density

not determined

Density

Value 1,47 g/cm³

Solubility in water

Completely soluble

Ignition temperature

not determined

Decomposition temperature

Not determined

SECTION 10: Stability and reactivity**10.1. Reactivity**

No hazardous reactions when stored and handled according to prescribed instructions.

10.2. Chemical stability

No hazardous reactions known.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

No hazardous reactions known.

Decomposition temperature

Remarks not determined

10.5. Incompatible materials

Reactions with metals, with evolution of hydrogen. Reactions with alkalies.

10.6. Hazardous decomposition products

Irritant gases/vapours

11.1. Information on toxicological effects

Acute oral toxicity

not determined

Acute oral toxicity (Components)

phosphoric acid

Species rat

LD50 2600 mg/kg

Acute dermal toxicity

not determined

Acute dermal toxicity (Components)

phosphoric acid

Species rabbit

LD50 2740 mg/kg

Acute inhalational toxicity

not determined

Skin corrosion/irritation

not determined

Serious eye damage/irritation

not determined

Sensitization

not determined

Subacute, subchronic, chronic toxicity

not determined

Mutagenicity

not determined

Reproductive toxicity

not determined

Carcinogenicity

not determined

Specific Target Organ Toxicity (STOT)

not determined

Experience in practice

Inhalation may lead to irritation of the respiratory tract.

Other information

No toxicological data are available.

SECTION 12: Ecological information

12.1. Toxicity

General information

not determined

Fish toxicity (Components)

phosphoric acid

LC50 138 mg/l

Duration of exposure 96 h

12.2. Persistence and degradability

General information

not determined

12.3. Bioaccumulative potential

General information

not determined

12.4. Results of PBT and vPvB assessment

General information

not determined

12.5. Other adverse effects

General information

not determined

General information / ecology

Do not allow to enter soil, waterways or waste water canal. Avoid release into the atmosphere.

SECTION 13: Transport information

Land transport ADR/RID

13.1. UN number

UN 1805

13.2. UN proper shipping name

PHOSPHORIC ACID, SOLUTION

13.3. Transport hazard class(es)

Class 8 Label

13.4. Packing group

Packing group III

Limited Quantity 5 I

Transport category 3

Tunnel restriction code E

Marine transport IMDG/GGVSee

13.1. UN number

UN 1805

13.2. UN proper shipping name

PHOSPHORIC ACID, SOLUTION

13.3. Transport hazard class(es)

Class 8

13.4. Packing group

Packing group III

13.5. Environmental hazards

no

IMDG-Code segregation

group

1 Acids

Air transport ICAO/IATA

13.1. UN number

UN 1805

13.2. UN proper shipping name

PHOSPHORIC ACID, SOLUTION

13.3. Transport hazard class(es)

Class 8

13.4. Packing group

Packing group III

Other information

13.5. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Ingredients 30 % and more:

phosphates

VOC

VOC (EU) 0 %

Other information

The product does not contain substances of very high concern (SVHC).

15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

SECTION 16: Other information

R-phrases listed in Chapter 3

34 Causes burns.

36 Irritating to eyes.

Hazard statements listed in Chapter 3

H314 Causes severe skin burns and eye damage.

H319 Causes serious eye irritation.

CLP categories listed in Chapter 3

Eye Irrit. 2 Eye irritation, Category 2

Skin Corr. 1B Skin corrosion, Category 1B

Notice: The information herein is based on data considered to be accurate as of the date of preparation of this material safety data sheet. However, no warranty or representation, expressed or implied is made as to the accuracy or completeness of the forgoing data and safety information. The user assumes all liability for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from any hazard inherent in the nature of the product

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