

## MATERIAL SAFETY DATA SHEET

### I Product Identification

**Product Name** : Descaling Acid  
**Reference Number** : Norchem DA 236

### II Composition/Information on Ingredients

Ingredient	CAS No	Percent	Classification
Sulphamic acid	5329-14-6	15 - 34 %	R 34, R-51/53

### III Hazards Identification

**Inhalation** Vapours or aerosols may cause irritation of eyes, nose and respiratory tract, Can cause damage to the lungs

**Ingestion** The ingestion of significant quantities may cause damage to digestive system

**Skin Contact** Causes burns (R34)

**Eye Contact** Can cause damage to the eyes

### IV First Aid Measures

**Inhalation** Inhalation is unlikely to occur. Remove patient to fresh air. Obtain immediate medical attention

**Ingestion** Do not induce vomiting. Give plenty of water to drink. Never give anything by mouth to an unconscious person. Seek immediate medical attention

**Skin Contact** Remove contaminated clothing and flush off with copious amount of soap and water. Seek medical attention if irritation persists

**Eye Contact** Flush with plenty of water for at least 15 minutes. Seek immediate medical attention.

**General** In case of accident or if you feel unwell, seek medical advice immediately.

## V Fire Fighting Measures

<b>Fire Extinguishing Media</b>	Non combustible. Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions. Smoke from fires is corrosive; Decomposition products may include phosphorous compounds.
<b>Special Protective Equipment For Fire Fighting</b>	Smoke from fires is corrosive. Take precautions to protect personnel from exposure

## VI Accidental Release Measures

<b>Personal Precautions</b>	Wear protective clothing
<b>Environmental Precautions</b>	No special precautions are required for this product
<b>Immediate Actions</b>	Shut off source of leak if safe to do so. Use appropriate containment to avoid environmental contamination.
<b>Clean Up Actions</b>	Absorb spillage in inert material and shovel up. Ventilate the area and wash spill site after material pick-up is complete.
<b>Special Precautions</b>	Wear protective clothing. Do not use metal containers for spilled liquid

## VII Handling and Storage

<b>Handling</b>	Wear protective clothing. Avoid contact with skin and eyes
<b>Storage</b>	Keep only in the original container in a cool, well ventilated place

## VIII Exposure Controls/Personal Protection

<b>Exposure Limits</b>	OES / LTEL 0.2 ppm 1 mg/m <sup>3</sup> (Posphoric acid)
<b>Exposure controls</b>	No special ventilation is required unless the product is used in a spray form
<b>Occupational exposure controls</b>	Wear face mask giving complete face protection. No respiratory protection is required unless subject to contact with substance mist. Wear plastic or rubber gloves. Wear suitable clothing providing resistance to acids

## IX Physical and Chemical Properties

<b>Appearance</b>	Pinkish Powder
<b>Odour</b>	Pungent
<b>Boiling Point</b>	N.A
<b>Melting Point</b>	N.A
<b>Solubility</b>	50% in water.
<b>Flashpoint</b>	None
<b>Explosive properties</b>	None
<b>Vapor Pressure</b>	760mmHg
<b>pH value 10%</b>	1.6
<b>Stability</b>	2 years when dry
<b>Density 10% soln</b>	1.6

## X Stability and Reactivity

<b>Stability</b>	No hazardous reactions known if used for its intended purpose. Avoid overheating,
<b>Reactivity</b>	Contact with nitrite liberates toxic gas. Contact with alkali metals liberates flammable gas.
<b>Incompatible</b>	Incompatible with amines, alkalis (strong bases)

## XI Toxicological Information

<b>Toxicological information</b>	No experimental data available
<b>Inhalation</b>	Can cause damage to the respiratory system
<b>Contact with skin</b>	Causes burns
<b>Contact with eyes</b>	Causes burns
<b>Ingestion</b>	The ingestion of significant quantities may cause damage to mucous membranes
<b>Carcinogenicity</b>	No evidence of carcinogenic effects

## **XII Ecological Information**

<b>Environmental Fate</b>	No information available
<b>Environmental Toxicity</b>	May cause acute effects in the aquatic environment. This product does not contain ingredients which are classified in the EU as dangerous for the environment.

## **XIII Disposal Considerations**

<b>Classification</b>	This material and/or its container must be disposed of as hazardous waste.
<b>Disposal considerations</b>	Do not discharge into drains or the environment, dispose to an authorized waste collection point. Disposal should be in accordance with local, state or national legislation

## **XIV Transport Information**

<b>UN</b>	
<b>Proper Shipping Name</b>	Sulphamic acid
<b>Hazard Class</b>	8
<b>UN No.</b>	2967
<b>Packing Group</b>	III

## **XV Regulatory Information**

<b>Label For Supply</b>	Corrosive
<b>Risk Phases</b>	R-34 Causes burns
<b>Safety Phrases</b>	S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice S-20 When using do not eat or drink S-36/37/39 Wear suitable protective clothing, gloves and eye/face protection S-45 In case of accident or if you feel unwell, seek medical advice immediately.

## **XVI Other Information**

R34: Causes burns. R36: Irritating to eyes

All information and recommendations given in this brochure are, to the best of our knowledge, true and accurate; but since the conditions of use are beyond our control, no warranty is given nor do we accept any liability