

GEA FARM TECHNOLOGIES LTD

SAFETY DATA SHEET

ACIDSAN

NITRIC ACID 26 %

1. Identification of the Substance and Company	
Product Name:	ACIDSAN
Identification:	Nitric Acid 26 % w/w solution
Company Details:	GEA Farm Technologies Ltd, Wylle Works, Watery Lane, Bishopstrow, Warminster, Wiltshire BA12 9HT England For technical or commercial enquiries: Tel: + 44 (0)1985 216444 Fax: + 44 (0)1985 216692 e-mail: info.agroserve@geagroup.com Emergency Contact Number <i>For advice on chemical emergencies, spillages, fires or First Aid</i> +44 (0) 870 190 677 (GEA Farm Technologies Ltd)
2. Hazard Identification	
Corrosive Causes severe burns to skin, eyes and mucous membranes.	
3. Composition/Information on Ingredients	
Nitric acid 26 %	CAS No. 7697-37-2
4. First Aid Measures	
<p><u>Inhalation:</u> Remove to fresh air. Keep warm and at rest. If there is respiratory distress give oxygen. If respiration stops or is failing give artificial respiration. Do not use mouth to mouth ventilation. Obtain medical attention urgently.</p> <p><u>Eye Contact:</u> Wash thoroughly with plenty of water for at least 10 minutes, holding eyelids apart if necessary. Obtain medical attention.</p> <p><u>Skin Contact:</u> Immediately wash with plenty of water - preferably under a shower if a large area is affected. Remove affected clothing immediately. If blistering occurs or irritation persists seek medical attention.</p> <p><u>Ingestion:</u> Wash out mouth with water, give plenty of water to drink. Do not induce vomiting. Obtain medical attention. Treatment may be needed for pain and shock.</p> <p>Advice to doctors: Treat symptomatically. Following significant acute inhalation exposure, observation for 48 hours to exclude lung damage is required.</p>	
5. Fire Fighting Measures	
<p>Non-flammable. Decomposes in heated air to produce toxic and corrosive gases. Fire fighters should wear self-contained breathing apparatus and full body protection.</p> <p>Select extinguishing media appropriate for other materials involved in the fire. Use fog equipment or fine spray. Keep containers cool by spraying with water. Toxic fumes of nitrogen oxides and corrosive fumes of hydrogen nitrate are produced when decomposition in heated air takes place.</p>	
6. Accidental Release Measures	
<p>Avoid skin/eye contact. Wear suitable acid resistant protective clothing including gloves, rubber boots and goggles. Ventilate area to dispel airborne concentrations.</p> <p><u>Methods for cleaning up:</u> Small spillage: greatly dilute with water, neutralise, then wash away with large quantities of water. Large spillage: prevent product reaching drains or water courses. Contain spillage using earth or sand. May be washed away to drain with large volumes of water. Neutralise with soda ash or dilute sodium hydroxide solution and flush away with large quantities of water. In the event of large spillage contaminating water courses, drains or vegetation inform the relevant authorities.</p>	
7. Handling and Storage	
<p>Wear acid resistant protective clothing and equipment. Avoid skin and eye contact. Ensure adequate ventilation. Store product in original packaging and keep closed. Keep away from alkalis, sodium hypochlorite solutions, oxidising agents and organic substances such as wood, paper and straw. Keep away from contact with metals.</p>	
8. Exposure Controls/Personal Protection	
<p>Personal protective equipment: Rubber gloves, chemical goggles (or full face visor), suitable protective clothing (an impervious apron is recommended minimum) and rubber boots. Exposure limits: 2.6 mg m⁻³ (1 ppm) short term exposure (EH40 2007)</p>	
9. Physical and Chemical Properties	
Appearance: Water white, transparent liquid	Solubility: Completely soluble in water
Odour: Odourless	Molecular Weight: 63.01 (HNO ₃)

Flash point: Not applicable - non-flammable.

10. Stability and Reactivity

Stability: Stable under normal storage conditions.

Hazardous Reactions:

Reacts violently with alkalis, carbonates, sodium hypochlorite.

Corrosive to paints, metals (except chromium and aluminium), varnish, animal tissue.

Reacts with acids, alcohols, glycols, esters, aldehydes, ketones and phenols.

May decompose in air when heated.

Contact with oxidising agents may liberate oxygen and may cause combustion of contaminated materials.

Aqueous solutions are very acidic.

Hazardous decomposition products:

Toxic fumes of nitrogen oxides and corrosive fumes of hydrogen nitrate are produced when decomposition in heated air takes place.

11. Toxicological Information

Effects:

On Eyes: Severe irritation and corrosion.

On Skin: Severe irritation and corrosion.

Ingestion: Severe irritation and corrosion to digestive tract, erodes teeth.

Inhalation: Exposure to the mist or spray causes severe irritation of nose, throat and respiratory tract.

Exposure to high levels of decomposition products may cause respiratory difficulties. Effects may be delayed.

12. Ecological Information

Ecotoxicity: Slightly toxic to living resources: LC50 10-100 mg l⁻¹ (96 hr)

Toxic to freshwater fish > 70 ppm

Toxic to saltwater fish >330 ppm

Environmental effect: Very acid; a decrease in pH below 5 induces fatalities in aquatic life.

Biodegradable in water leading to oxygen depletion.

13. Disposal Considerations

Waste: Wear appropriate protective clothing (see section 8). Care should be taken to avoid accidental mixing with strong alkalis or oxidising agents in drains.

May be washed to drain with large quantities of water. Dilute then neutralise with soda ash or dilute sodium hydroxide solution. Then flush to drain with plenty of water.

Dispose of any hazardous waste in accordance with waste disposal or water authority regulations.

14. Transport Information

UN Number: 2031

Road/Rail: ADR/RID 8/II (Class/Packing Group)

Sea: IMDG 8/II (Class/Packing group)

15. Regulatory Information

The products have been classified under the UK CHIP2002 regulations corresponding to European Council Dangerous Substances Directive and the Dangerous Preparations Directive.

Nitric acid 26 % solution is classified as Corrosive, C, and will carry the following label:

Risk Phrases:

R35: Causes severe burns

Safety Phrases:

S1/2 Keep locked up and out of reach of children

S23 Do not breathe fumes

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S36 Wear suitable protective clothing

S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)

EEC Number for label: 231-714-2



CORROSIVE

16. Other Information

The information in this sheet is believed to be accurate and is given in good faith. However, if you are a **supplier** of this product, there are due diligence checks which you have to make. As a supplier, you are responsible for the accuracy of the Safety Data Sheet.

Users of this product have a responsibility to make their own assessment of workplace risks as required by health and safety legislation.