



Material Safety Data Sheet

According to 91/155 EC

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Reviewed on 09.03.2001

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

Product details

Trade name:

AgroClair SF

Manufacturer/Supplier:

Westfalia Landtechnik GmbH
Werk Herdecke
Mühlenstraße 17 - 20
D-58313 Herdecke
Telefon: (0 23 30) 64 0

Information in case of emergency:

Call your medical practitioner LONDON
(Information available at the National Poison Unit - Guy's Hospital)

2 Composition/information on ingredients

Chemical characterization

Description:

Mixture of substances listed below with nonhazardous additions.

Dangerous components:

7664-38-2	phosphoric acid	 C; 34	10-25%
7697-37-2	nitric acid	 C; 35	10-25%

3 Hazards identification

Hazard description:



C Corrosive

Information concerning particular hazards for human and environment:

R 34 Causes burns.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

4 First-aid measures

General information:

Immediately remove any clothing soiled by the product.

After inhalation:

In case of unconsciousness place patient stably in side position for transportation.

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After skin contact: Immediately wash with water and soap and rinse thoroughly.

After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing: Drink plenty of water and provide fresh air. Call for a doctor immediately.

5 Fire-fighting measures

Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Protective equipment: No special measures required.

6 Accidental release measures

Person-related safety precautions: Wear protective equipment. Keep unprotected persons away.

Measures for environmental protection: Prevent seepage into sewage system, workpits and cellars.
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.

Measures for cleaning/collecting: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralizing agent.
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.

7 Handling and storage

Handling:

Information for safe handling: Open and handle receptacle with care.

Information about fire - and explosion protection: No special measures required.

Storage:

Requirements to be met by storerooms and receptacles: Provide acid-resistant floor.

Information about storage in one common storage facility: Do not store together with alkalis (caustic solutions).

Further information about storage conditions: Protect from frost.

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Class according to regulation on flammable liquids: Void

8 Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:	
7697-37-2 nitric acid	
OES	Short-term value: 10 mg/m ³ , 4 ppm Long-term value: 5.2 mg/m ³ , 2 ppm

Additional information: The lists valid during the making were used as basis.

Personal protective equipment: General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Respiratory protection: Not required.

Protection of hands:  Protective gloves

Eye protection:  Tightly sealed goggles

9 Physical and chemical properties

Form:	Fluid
Colour:	Clear
Odour:	Aromatic
Change in condition	
Melting point/Melting range:	< -15°C
Boiling point/Boiling range:	> 98°C
Flash point:	Not applicable.
Self-igniting:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard.
Vapour pressure at 20°C:	16 mbar

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Density at 20°C:	1.206 g/cm ³
Solubility in / Miscibility with water:	Fully miscible.
pH-value at 20°C:	1.5
Viscosity: Dynamic at 20°C:	5 mPas
Solvent content:	
Organic solvents:	0.0 %
Water:	< 50 %

10 Stability and reactivity

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

Dangerous reactions

No dangerous reactions known.

Dangerous decomposition products:

Nitrogen oxides

11 Toxicological information

Acute toxicity:

Primary irritant effect:

on the skin:

Caustic effect on skin and mucous membranes.

on the eye:

Strong caustic effect.

Sensitization:

No sensitizing effects known.

Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Corrosive.

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

12 Ecological information

General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

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Must not reach sewage water or drainage ditch undiluted or unneutralized.

13 Disposal considerations

Product:

Recommendation

Must not be disposed together with household garbage.
Do not allow product to reach sewage system.

European waste catalogue	
06 00 00	Wastes from inorganic chemical processes
06 01 00	waste acidic solutions
06 01 99	waste not otherwise specified

Uncleaned packaging:

Recommendation:

Disposal must be made according to official regulations.

Recommended cleansing agents:

Water, if necessary together with cleansing agents.

14 Transport information

Land transport ADR/RID (cross-border)



ADR/RID class:

8 Corrosive substances.

Item:

17c

Danger code (Kemler):

88

UN-Number:

3264

Hazard label

8

Description of goods:

3264 Corrosive liquid, acidic, inorganic, n.o.s., nitric acid

Maritime transport IMDG:



Marine pollutant:

No

15 Regulatory information

Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

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Code letter and hazard designation of product:

C Corrosive

Hazard-determining components of labelling:

phosphoric acid

Risk phrases:

34 Causes burns.

Safety phrases:

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

National regulations:

Classification according to VbF:

Void

Waterhazard class:

Water hazard class 2 (Self-assessment): hazardous for water.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing MSDS:

Dairy Supplies / 1020