

MATERIAL SAFETY DATA SHEET

according to the requirements of Regulation (EC) No. 1907/2006

Product name: Filtasol


Version: 02-12

Revision Date: 22 February 2012

Section 1. Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier: Product name: **Filtasol**
Pure substance/mixture: Mixture.
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
Recommended use: The cleaning and sanitisation of food production equipment.
Uses advised against: No information available.
- 1.3 Details of the supplier of the safety data sheet
GEA Farm Technologies (UK) Ltd
Wylle Works, Watery Lane, Bishopstrow, Warminster, Wiltshire BA12 9HT England
Telephone: +44 (0) 1985 216 444; Fax: +44 (0) 1985 216 692
For further information please contact:
Email address: info.agrosolve@gea.com
- 1.4 Emergency telephone number: +44 (0) 870 190 6777 (GEA Farm Technologies) (24 hours, 7 days)

Section 2. Hazards identification

- 2.1 Classification of the substance or mixture Classification according to EU Directives 67/548/EEC or 1999/45/EC
C; R35
- 2.2 Label elements

C: CORROSIVE
R-phrases(s)
R35 - Causes severe burns.
S-phrases(s)
S1/2 - keep locked up and out of reach of children.
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39 - Wear suitable gloves and eye/face protection.
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- 2.3 Other information
This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).
This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

Section 3. Composition / information on ingredients

3.2 Mixtures:	Chemical Name	EC-No	CAS-No	Weight %	Classification (67/548)	Classification (Reg. 1272/2008)	REACH Registration Number
	Sodium hydroxide	215-185-5	1310-73-2	7 - 12	C; R35	Skin Corr. 1A (H314)	No data available

For the full text of R-phrases and H-Statements see Section 16.

Section 4. First Aid measures

- 4.1 Description of first aid measures
- Eye contact:** Immediate medical attention is required. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes.
- Skin contact:** Immediate medical attention is required. Remove contaminated clothing and shoes. Wash off immediately with plenty of water for at least 15 minutes.
- Ingestion:** Immediate medical attention is required. Never give anything by mouth to an unconscious person. Wash out mouth with water and give 100 - 200 ml water to drink. Do NOT induce vomiting.
- Inhalation:** Immediate medical attention is required. Remove patient from exposure, keep warm and at rest. Administer oxygen if breathing is difficult and you are trained. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

MATERIAL SAFETY DATA SHEET

according to the requirements of Regulation (EC) No. 1907/2006

Product name: Filtasol

Version: 02-12

Revision Date: 22 February 2012

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

Main Symptoms: Causes burns to skin and eyes. Can burn mouth, throat, and stomach.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician: Treat symptomatically.

Section 5. Fire fighting measures

- 5.1 Extinguishing media Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Extinguishing media which shall not be used for safety reasons: None.
- 5.2 Special hazards arising from the substance or mixture Non-combustible.
- 5.3 Advice for fire fighters Wear self-contained breathing apparatus and protective suit.

Section 6. Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Avoid contact with the skin and the eyes. Avoid breathing vapours or mists. Ensure adequate ventilation. For personal protection see section 8.
- 6.2 Environmental precautions Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained.
- 6.3 Methods and material for containment and cleaning up Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Prevent product and washings from entering drains, sewers or surface water due to high toxicity to aquatic organisms.
- 6.4 Reference to other sections Waste Disposal Methods: See also section 13.

Section 7. Handling and storage

- 7.1 Precautions for safe handling Do not breathe vapours or spray mist. Avoid contact with skin and eyes. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. See Section 8 for more detail. Do not eat, drink or smoke during work. Wash thoroughly after handling.
- 7.2 Conditions for safe storage including any incompatibilities: Store in original container. Keep container tightly closed in a dry and well-ventilated place. Keep from freezing. Avoid contact with acids, Metals and metal powders.
- 7.3 Specific end use(s) Cleaning agent for food production equipment.

Section 8. Exposure controls / personal protection

8.1 Control parameters

Chemical Name	Sodium hydroxide 1310-73-2
United Kingdom	STEL: 2 mg/m ³
Ireland	STEL: 2 mg/m ³

Derived No Effect Level (DNEL)

No information available.

Predicted No Effect Concentration (PNEC)

No information available.

8.2 Exposure controls

Appropriate engineering controls

Provide adequate ventilation, including appropriate local extraction, to ensure that occupational exposure limits are not exceeded.

Personal protective equipment

Eye Protection

Tightly fitting safety goggles (EN 166).

Hand Protection

Rubber gloves (EN 374).

Skin and body protection

Wear acid resistant clothing and equipment. Wear rubber boots.

MATERIAL SAFETY DATA SHEET

according to the requirements of Regulation (EC) No. 1907/2006

Product name: Filtasol

Version: 02-12

Revision Date: 22 February 2012

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment (BS EN 14387:2004+A1).

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls

Avoid release to the environment.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: Liquid.
Odour: Sweet.
Colour: Clear, yellow.
Odour threshold: No information available.

Property

Flash Point Not flammable.
Flammability (solid, gas) Not applicable.
Water solubility Completely miscible.
Explosive properties Not explosive.

No information available for:

pH; Melting/freezing point; Freezing point; Boiling point/boiling range; Evaporation rate; Flammability limits in air; Vapour pressure; Vapour density; Relative density; Solubility in other solvents; Partition coefficient: n-octanol/water; Autoignition temperature; Decomposition temperature; Viscosity, kinematic; Viscosity, dynamic; Oxidising Properties.

9.2 Other information

No information available for:

Softening point; Molecular weight; VOC Content (%); Density; Bulk density.

Section 10. Stability and Reactivity

10.1 Reactivity

Reacts strongly with acids. Attacks copper, aluminum, zinc, magnesium and their alloys. With aluminum or zinc can produce flammable and explosive hydrogen gas.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Reacts with metals to form flammable and explosive hydrogen gas.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

Acids. Metals.

10.6 Hazardous decomposition products

None known.

Section 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium hydroxide		1350 mg/kg (Rabbit)	

Skin corrosion / irritation

Corrosive.

Serious damage / eye irritation

Corrosive.

Mutagenicity, carcinogenicity, reproductive toxicity

Not classified.

STOT - Single exposure

May cause respiratory irritation.

STOT - Repeated exposure, Aspiration hazard

Not classified.

Other information

No information available.

MATERIAL SAFETY DATA SHEET

according to the requirements of Regulation (EC) No. 1907/2006

Product name: Filtasol

Version: 02-12

Revision Date: 22 February 2012

Section 12. Ecological information

12.1 Toxicity	Chemical name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
	Sodium hydroxide		45.4: 96 h Oncorhynchus mykiss mg/L LC50 static	
12.2 Persistence and degradability	No information available.			
12.3 Bioaccumulative potential	No information available.			
12.4 Mobility in soil	No information available.			
12.5 Results of PBT and vPvB assessment	No information available.			
12.6 Other adverse effects	No information available.			

Section 13. Disposal considerations

13.1 Waste treatment methods	Waste from residues / unused products Contaminated packaging	Dispose of in accordance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.
------------------------------	---	--

Section 14. Transport information

	ADR/RID/ADN	ICAO/IATA	IMDG / IMO
14.1 UN Number:	1824	1824	1824
14.2 Proper shipping name:	SODIUM HYDROXIDE SOLUTION	SODIUM HYDROXIDE SOLUTION	SODIUM HYDROXIDE SOLUTION
14.3 Transport hazard class(es)	8	8	8
14.4 Packing group	II	II	II
14.5 Environmental hazards	Not Classified	Not Classified	Not Classified
14.6 Special precautions for user	Avoid contact with acids		
14.7 Transport in bulk according to MARPOL73/78 and the IBC code			

Section 15. Regulatory information

15.1 Safety, health and environmental regulations/ legislation specific for the substance or mixture	This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006. Classification according to Regulation (EC) No 1272/2008.
15.2 Chemical safety assessment:	No information available. Chemical Safety Assessment has not been carried out.

Section 16. Other information

Full text of R-phrases referred to under sections 2 and 3
R35 - Causes severe burns.

Full text of H-Statements referred to under sections 2 and 3
H314 - Causes severe skin burns and eye damage.

Issuing date 22 February 2012.

Revision date 22 February 2012.

Revision note Not applicable.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

MATERIAL SAFETY DATA SHEET

according to the requirements of Regulation (EC) No. 1907/2006

Product name: Filtasol

Version: 02-12

Revision Date: 22 February 2012

Disclaimer

The information and recommendations contained herein are based upon data believed to be up-to-date and correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information and recommendations contained herein. We accept no responsibility and disclaim all liability for any harmful effects that may be caused by (incorrect) use, handling, purchase, resale, or exposure to our product. Customers and users of our product must comply with all applicable health and safety laws, regulations, and orders. In particular, they are under an obligation to carry out a risk assessment for the particular work places and to take adequate risk management measures in accordance with the national implementation legislation of EU Directives 89/391 and 98/24.