

Nutrigain

SAFETY DATA SHEET according to Regulation (EC) no. 1907/2006

SPOREKILL

Version 4 / EU

1/8
Revision Date: 03.07.2014
Print Date: 03.07.2014

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name SPOREKILL

Product code (UVP)

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use Disinfectant

1.3 Details of the supplier of the safety data sheet

Supplier Nutrigain Ltd
Unit 5 Gaw End Lane
Macclesfield
Cheshire
SK11 0LB UK

Telephone +44(0)1625-860945

Responsible Department Product Safety and Specification Management
+44(0)1625 860945 (during business hours only)
Email: sales@nutrigain.com

1.4 Emergency telephone no.

Emergency telephone no. +44-7721-639959

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Eye irritation: Category 2

H319 Causes serious eye irritation.

Xi Irritant, R36

R52 Harmful to aquatic organisms

2.2 Label elements

Hazard label for supply/use required.

Hazardous components which must be listed on the label:



Signal word: Warning

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H316	Causes mild skin irritation
H317	May cause an allergic skin reaction
H320	Causes eye irritation.
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H413	May cause long lasting harmful effects to aquatic life

Precautionary statements

P403 + P235	Store in a well ventilated place. Keep cool..
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P501	Dispose of contents/container in accordance with local regulation.

2.3 Other hazards

P264 Wash skin thoroughly after handling

P272: Contaminated work clothing should not be allowed out of the workplace.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3,2 Mixtures
Chemical Nature

Solution (SL)
Potassium salts of Fatty acids 504 g/l as

Hazardous Components

Name	CAS-No. / EC-No.	Classification	Regulation	Conc. [%]
Potassium salt of fatty acid	67701-09-1 266-938-2	C;R34	Skin Corr. 1B, H314	> 43% < 45%
Rosin	8050-09-7 EC232-475-7	R43	H317	>8% <9%

For the full text of the R-phrases/ Hazard statements mentioned in this Section, see Section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General advice	Move out of dangerous area. Place and transport victim in stable position (lying sideways). Remove contaminated clothing immediately and dispose of safely.
Inhalation	Move to fresh air. If symptoms persist, call a physician.
Skin contact	Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a physician or poison control center immediately.
Ingestion	Call a physician or poison control center immediately. Do NOT induce vomiting. Rinse mouth.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms No symptoms known or expected.

4.3 Indication of any immediate medical attention and special treatment needed

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Treatment	Treat symptomatically. Gastric lavage is not normally required. However, if a significant amount (more than a mouthful) has been ingested, administer activated charcoal and sodium sulphate. There is no specific antidote.
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SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable	None

5.2 Special hazards arising from the substance or mixture	No dangerous gases are evolved in the event of a fire.
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5.3 Advice for firefighters

Special protective equipment for fire-fighters	In the event of fire and/or explosion do not breathe fumes. In the event of fire, wear self-contained breathing apparatus.
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Further information	Contain the spread of the fire-fighting media. Do not allow run-off from fire fighting to enter drains or water courses.
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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Precautions	Avoid contact with spilled product or contaminated surfaces. Use personal protective equipment.
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6.2 Environmental precautions	Do not allow to get into surface water, drains and ground water.
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6.3 Methods and materials for containment and cleaning up

Methods for cleaning up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. Clean contaminated floors and objects thoroughly, observing environmental regulations.
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6.4 Reference to other sections	Information regarding safe handling, see section 7. Information regarding personal protective equipment, see section 8. Information regarding waste disposal, see section 13.
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SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling	No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice. Use only in area provided with appropriate exhaust ventilation. For personal protection see section 8.
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Hygiene measures	Avoid contact with skin, eyes and clothing. Keep working clothes separately. Wash hands before breaks and immediately after handling the product. Remove soiled clothing immediately and clean thoroughly
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before using again. Garments that cannot be cleaned must be destroyed (burnt).

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers Keep containers tightly closed in a dry, cool and well-ventilated place. Store in original container. Store in a place accessible by authorized persons only. Protect from freezing.

Advice on common storage Keep away from food, drink and animal feedingstuffs.

7.3 Specific end uses Refer to the label and/or leaflet.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

No control parameters known.

8.2 Exposure controls

Personal protective equipment

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

Respiratory protection

Respiratory protection is not required under anticipated circumstances of exposure. Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance.

Hand protection

Wear CE Marked (or equivalent) nitrile rubber gloves (minimum thickness of 0,4 mm). Wash when contaminated and dispose of when contaminated inside, when perforated or when contamination on the outside cannot be removed. Wash hands frequently and always before eating, drinking, smoking or using the toilet.

Eye protection

Wear goggles (conforming to EN166, Field of Use = 5 or equivalent) and faceshield (conforming to EN166, Field of Use = 3 or equivalent).

Skin and body protection

Wear standard coveralls and Category 3 Type 6 suit. If there is a risk of significant exposure, consider a higher protective type suit. Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

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Form	Liquid
Colour	Clear brown liquid
Odour	Slight citrus
pH	ca. 10.38 at 1 % (23 °C) (deionized water) 10.16 at 100 % (23 °C)
Flash point	79 °C
Autoignition temperature	> 320 °C
Density	ca. 1.161 g/cm ³ at 20 °C
Water solubility	miscible in all proportions
Viscosity, dynamic	
Oxidizing properties	No oxidizing properties
Explosivity	Not explosive
9.2 Other information	Did not sustain combustion after 60 seconds at 75°C Further safety related physical-chemical data are not known.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Thermal decomposition Stable under normal conditions.

10.2 Chemical stability Stable under recommended storage conditions.

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

10.4 Conditions to avoid Extremes of temperature and direct sunlight.

10.5 Incompatible materials Store only in the original container.

10.6 Hazardous decomposition products No decomposition products expected under normal conditions of use.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute oral toxicity LD50 (rat) > 5.000 mg/kg

Acute inhalation toxicity
no data available

Acute dermal toxicity LD50 (rat) > 5.000 mg/kg

Skin irritation No skin irritation (rabbit)

Eye irritation Irritating to eyes. (rabbit)

Sensitisation Non-sensitizing. (guinea pig)

Assessment repeated dose toxicity

Potassium fatty acid salt acid did not cause specific target organ toxicity in experimental animal studies.

Assessment Mutagenicity

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Potassium fatty acid salt was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.

Assessment Carcinogenicity

Potassium fatty acid salt acid is not considered carcinogenic.

Assessment toxicity to reproduction

Potassium fatty acid salt acid is not considered a reproductive toxicant at non-maternally toxic dose levels.

Assessment developmental toxicity

Potassium fatty acid salt acid did not cause developmental toxicity in rats.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish
NOEC (Rainbow trout (*Oncorhynchus mykiss*)) 100 mg/l
Exposure time: 96 h

Toxicity to aquatic invertebrates
NOEC (Water flea (*Daphnia magna*)) 10 mg/l
Exposure time: 48 h

Toxicity to aquatic plants
NOEC (*Desmodesmus subspicatus*) 20 mg/l
Exposure time: 72 h

12.2 Persistence and degradability

Biodegradability
Potassium fatty acid salt acid:
rapidly biodegradable

Koc
Potassium fatty acid salt acid: Koc:
63,1

12.3 Bioaccumulative potential

Bioaccumulation
Potassium fatty acid salt acid: Bioconcentration factor (BCF)
196
Does not bioaccumulate.

12.4 Mobility in soil

Mobility in soil
Potassium fatty acid salt acid: Mobile in soils

12.5 Results of PBT and vPvB assessment

PBT and vPvB assessment
Potassium fatty acid salt acid: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).

12.6 Other adverse effects

Additional ecological information
No other effects to be mentioned.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product
In accordance with current regulations and, if necessary, after consultation with the site operator and/or with the responsible authority, the product may be taken to a waste disposal site or incineration plant.

Contaminated packaging
Not completely emptied packagings should be disposed of as hazardous waste.

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Waste key for the unused product

061301 Inorganic plant protection products, wood-preserving agents and other biocides

SECTION 14: TRANSPORT INFORMATION

UN NUMBER: N/A

This classification is in principle not valid for carriage by tank vessel on inland waterways. Please refer to the manufacturer for further information.

14.1 – 14.5 Not applicable.
14.6 Special precautions for user
See sections 6 to 8 of this Safety Data Sheet.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
No transport in bulk according to the IBC Code.

SECTION 15: REGULATORY INFORMATION

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

Further information

WHO-classification: U (Unlikely to present acute hazard in normal use)

15.2 Chemical Safety Assessment

A chemical safety assessment is not required.

SECTION 16: OTHER INFORMATION

Text of R-phrases mentioned in Section 3

Text of the hazard statements mentioned in Section 3

The information contained within this Safety Data Sheet is in accordance with the guidelines established by Regulation (EC) No 1907/2006 and any subsequent amendments. This data sheet complements the user's instructions, but does not replace them. The information it contains is based on the knowledge available about the product concerned at the time it was compiled. Users are further reminded of the possible risks of using a product for purposes other than those for which it was intended. The required information complies with current EEC legislation. Addressees are requested to observe any additional national requirements.

Note:

This data sheet has been generated according to the safety data sheet supplied by the manufacturer of the product:

Nutrigain Ltd

Reason for Revision:

Changes since the last version are highlighted in the margin. This version replaces all previous versions

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