

SEQUESTREN 100 SG 138 FE

Version 6 - This version replaces all previous versions.

Revision Date 29.11.2011

Print Date 29.11.2011

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier**Product name : **SEQUESTREN 100 SG 138 FE**

Design code : A5787A

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

Use : Fertiliser

1.3 Details of the supplier of the safety data sheetCompany : Syngenta Crop Protection AG
Postfach
CH-4002 Basel
Switzerland

Telephone : +41 61 323 11 11

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E-mail address : sds.ch@syngenta.com

1.4 Emergency telephone number**Emergency tele-
phone number** : +44 1484 538444**SECTION 2. HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

Classification according to Regulation (EU) 1272/2008

Skin sensitization Category 1 H317

For the full text of the H-Statements mentioned in this Section, see Section 16.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Xi, Irritant

R43: May cause sensitization by skin contact.

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2.2 Label elements

Labelling: Regulation (EC) No. 1272/2008

Hazard pictograms



Signal word	:	Warning	
Hazard statements	:	H317	May cause an allergic skin reaction.
Precautionary statements	:	P102	Keep out of reach of children.
		P270	Do not eat, drink or smoke when using this product.
		P280	Wear protective gloves.
		P302 + P352	IF ON SKIN: Wash with plenty of soap and water.

Hazardous components which must be listed on the label:

- EDDHA NaFe presscake

Labelling: EU Directives 67/548/EEC or 1999/45/EC

Symbol(s)



Irritant

R-phrases(s)	:	R43	May cause sensitization by skin contact.
S-phrases(s)	:	S 2	Keep out of the reach of children.
		S13	Keep away from food, drink and animal feedingstuffs.
		S20/21	When using do not eat, drink or smoke.
		S36/37	Wear suitable protective clothing and gloves.

Hazardous components which must be listed on the label:

- EDDHA NaFe presscake

2.3 Other hazards

no data available

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration
EDDHA NaFe presscake	84539-55-9 283-044-5	Xi R43	Skin Sens.1; H317	100 % W/W

Substances for which there are Community workplace exposure limits.

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

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

- General advice : Have the product container, label or Material Safety Data Sheet with you when calling the Syngenta emergency number, a poison control center or physician, or going for treatment.
- Inhalation : Move the victim to fresh air.
If breathing is irregular or stopped, administer artificial respiration.
Keep patient warm and at rest.
Call a physician or poison control centre immediately.
- Skin contact : Take off all contaminated clothing immediately.
Wash off immediately with plenty of water.
If skin irritation persists, call a physician.
Wash contaminated clothing before re-use.
- Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Remove contact lenses.
Immediate medical attention is required.
- Ingestion : If swallowed, seek medical advice immediately and show this container or label.
Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

- Medical advice : There is no specific antidote available.
Treat symptomatically.

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SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Extinguishing media - small fires
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Extinguishing media - large fires
Alcohol-resistant foam
or
Water spray

Do not use a solid water stream as it may scatter and spread fire.

5.2 Special hazards arising from the substance or mixture

As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10).

Exposure to decomposition products may be a hazard to health.

5.3 Advice for firefighters

Wear full protective clothing and self-contained breathing apparatus.

Do not allow run-off from fire fighting to enter drains or water courses.
Cool closed containers exposed to fire with water spray.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Refer to protective measures listed in sections 7 and 8.
Avoid dust formation.

6.2 Environmental precautions

Do not flush into surface water or sanitary sewer system.

6.3 Methods and materials for containment and cleaning up

Contain spillage, pick up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for disposal according to local regulations (see section 13).

Do not create a powder cloud by using a brush or compressed air.
Clean contaminated surface thoroughly.

If the product contaminates rivers and lakes or drains inform respective authorities.

6.4 Reference to other sections

Refer to protective measures listed in sections 7 and 8.
Refer to disposal considerations listed in section 13.

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SECTION 7. HANDLING AND STORAGE**7.1 Precautions for safe handling**

No special protective measures against fire required.
Avoid contact with skin and eyes.
When using do not eat, drink or smoke.
For personal protection see section 8.

7.2 Conditions for safe storage, including any incompatibilities

No special storage conditions required.
Keep containers tightly closed in a dry, cool and well-ventilated place.
Keep out of the reach of children.
Keep away from food, drink and animal feedingstuffs.

7.3 Specific end uses

Registered Crop Protection products: For proper and safe use of this product, please refer to the approval conditions laid down on the product label.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters**

The following recommendations for exposure controls/personal protection are intended for the manufacture, formulation and packaging of the product.

8.2 Exposure controls

Engineering measures : Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated.
The extent of these protection measures depends on the actual risks in use.
If airborne dust is generated, use local exhaust ventilation controls.
Assess exposure and use any additional measures to keep airborne levels below any relevant exposure limit.
Where necessary, seek additional occupational hygiene advice.

Protective measures : The use of technical measures should always have priority over the use of personal protective equipment.
When selecting personal protective equipment, seek appropriate professional advice.
Personal protective equipment should be certified to appropriate standards.

Respiratory protection : No personal respiratory protective equipment normally required.
A particulate filter respirator may be necessary until effective technical measures are installed.

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- Hand protection : Chemical resistant gloves should be used.
Gloves should be certified to an appropriate standard.
Gloves should have a minimum breakthrough time that is appropriate to the duration of exposure.
The breakthrough time of gloves varies according to the thickness, material and manufacturer.
Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
Suitable material
Nitrile rubber
- Eye protection : Eye protection is not usually required.
Follow any site specific eye protection policies.
- Skin and body protection : No special protective equipment required.
Select skin and body protection based on the physical job requirements.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	: solid
Form	: granules
Colour	: dark red brown
Odour	: no data available
Odour Threshold	: no data available
pH	: 6.5 - 8.5 at 5 % w/v
Melting point/range	: no data available
Boiling point/boiling range	: no data available
Flash point	: no data available
Evaporation rate	: no data available
Flammability (solid, gas)	: no data available
Lower explosion limit	: no data available
Upper explosion limit	: no data available
Vapour pressure	: no data available
Relative vapour density	: no data available
Density	: no data available
Solubility in other solvents	: no data available
Partition coefficient: n-octanol/water	: no data available
Autoignition temperature	: 350 °C
Thermal decomposition	: no data available
Viscosity, dynamic	: no data available
Viscosity, kinematic	: no data available
Explosive properties	: no data available
Oxidizing properties	: not oxidizing

9.2 Other information

Bulk density	: 0.50 - 0.70 g/cm ³
Miscibility	: soluble

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SECTION 10. STABILITY AND REACTIVITY**10.1 Reactivity**

No information available.

10.2 Chemical stability

No information available.

10.3 Possibility of hazardous reactions

None known.

Hazardous polymerisation does not occur.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

Combustion or thermal decomposition will evolve toxic and irritant vapors.

SECTION 11. TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

Acute oral toxicity : LD50 rat, > 2,000 mg/kg

Acute inhalation toxicity : LC50 rat, > 4,200 mg/m³, 4 h

Acute dermal toxicity : LD50 rat, > 2,000 mg/kg

Skin corrosion/irritation : rabbit: Non-irritating

Serious eye damage/eye irritation : rabbit: Non-irritating

Respiratory or skin sensitization : guinea pig: A skin sensitizer

Germ cell mutagenicity : Animal testing did not show any mutagenic effects.

Carcinogenicity : No information available.

Reproductive toxicity : No information available.

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SECTION 12. ECOLOGICAL INFORMATION**12.1 Toxicity**

Toxicity to fish : No information available.

12.2 Persistence and degradability

Biodegradability : No information available.

12.3 Bioaccumulative potential

no data available

12.4 Mobility in soil

: no data available

12.5 Results of PBT and vPvB assessment

: no data available

12.6 Other adverse effectsNone known.

SECTION 13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Product : Do not contaminate ponds, waterways or ditches with chemical or used container.
Do not dispose of waste into sewer.
Where possible recycling is preferred to disposal or incineration.
If recycling is not practicable, dispose of in compliance with local regulations.

Contaminated packaging : Empty remaining contents.
Triple rinse containers.
Empty containers should be taken to an approved waste handling site for recycling or disposal.
Do not re-use empty containers.

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SECTION 14. TRANSPORT INFORMATION**Land transport (ADR/RID)**

Not dangerous goods

14.1 UN number:	not applicable
14.2 UN proper shipping name:	not applicable
14.3 Transport hazard class(es):	not applicable
14.4 Packing group:	not applicable
14.5 Environmental hazards	not applicable

Sea transport(IMDG)

Not dangerous goods

14.1 UN number:	not applicable
14.2 UN proper shipping name:	not applicable
14.3 Transport hazard class(es):	not applicable
14.4 Packing group:	not applicable
14.5 Environmental hazards	not applicable

Air transport (IATA-DGR)

Not dangerous goods

14.1 UN number:	not applicable
14.2 UN proper shipping name:	not applicable
14.3 Transport hazard class(es):	not applicable
14.4 Packing group:	not applicable

14.6 Special precautions for user

none

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

SECTION 15. REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

GHS-Labeling

Hazard pictograms



Signal word : Warning

Hazard statements : H317 May cause an allergic skin reaction.

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Precautionary statements : P102 Keep out of reach of children.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

Remarks : Classified using all GHS hazard classes and categories.
Where the GHS contains options, the most conservative option has been chosen.
Regional or national implementations of GHS may not implement all hazard classes and categories.

Hazardous components which must be listed on the label:

- EDDHA NaFe presscake

15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this substance.

SECTION 16. OTHER INFORMATION**Further information**

Full text of R-phrases referred to under sections 2 and 3:

R43 May cause sensitization by skin contact.

Full text of H-Statements referred to under sections 2 and 3.

H317 May cause an allergic skin reaction.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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

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