

SAFETY DATA SHEET

According to Commission Regulation (EU) 2015/830 of amending
Regulation (EC) No 1907/2006



Muster(R) 75 DF Herbicide

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	23.09.2021	50000052	Date of first issue: 23.09.2021

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Other means of identification

Product code 50000052

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

Use of the Sub- stance/Mixture	Herbicide
Recommended restrictions on use	Use as recommended by the label.

1.3 Manufacturer or supplier's details

Supplier Address

FMC Agricultural Solutions A/S
Thyborønvej 78
Harbøre, DK-7673
Denmark

Telephone: +45 9690 9690
E-mail address: SDS-Info@fmc.com (E-Mail General Infor-
mation)

1.4 Emergency telephone number

For leak, fire, spill or accident emergencies, call:
Company emergency telephone number - BIG (24 hours a
day): +32 14 58 45 45

Medical emergency:
Poison centers in France:
Paris: 01.40.05.48.48
Lyon: 04.72.11.69.11
Marseille: 04.91.75.25.25
Lille: 0800 59 59 59
ORFILA: +33 (0) 1 45 42 59 59 (poison control center)
Company: 04.37.23.65.70, accessible from 8:30 am to 6:00
pm, Monday to Friday

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Short-term (acute) aquatic hazard, Cate- gory 1	H400: Very toxic to aquatic life.
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Long-term (chronic) aquatic hazard, Category 1

H410: Very toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Warning

Hazard statements : H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements :

Prevention:

P273 Avoid release to the environment.

Response:

P391 Collect spillage.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

2.3 Other hazards

This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).
This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
2-[[[4-Ethoxy-6-(methylamino-1,3,5-triazin-2-yl)amino]carbonyl]amino]sul	97780-06-8	Eye Irrit. 2; H319 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 10	>= 70 - < 90

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		M-Factor (Chronic aquatic toxicity): 1	
Quartz (SiO ₂)	14808-60-7 238-878-4	STOT RE 1; H372	>= 0,1 - < 1
Substances with a workplace exposure limit :			
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6 238-877-9		>= 10 - < 20

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.
- If inhaled : If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.
- In case of eye contact : Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Induce vomiting immediately and call a physician.
Keep respiratory tract clear.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
Take victim immediately to hospital.

4.2 Most important symptoms and effects, both acute and delayed

- Risks : May be harmful in contact with skin or if inhaled.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Dry chemical, CO₂, water spray or regular foam.
- Unsuitable extinguishing media : High volume water jet

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5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : No hazardous combustion products are known

5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.
Avoid dust formation.
Avoid breathing dust.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Avoid formation of respirable particles.
Do not breathe vapours/dust.
Avoid exposure - obtain special instructions before use.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Dispose of rinse water in accordance with local and national

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regulations.

Advice on protection against fire and explosion : Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed.

Hygiene measures : When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully re-sealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

Further information on storage stability : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : Registered pesticide to be used in accordance with a label approved by country-specific regulatory authorities.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	TWA (Respirable dust)	0,1 mg/m ³	2004/37/EC
Further information	Carcinogens or mutagens			
sucrose	57-50-1	VME	10 mg/m ³	FR VLE
Further information	Indicative exposure limits			
Quartz (SiO ₂)	14808-60-7	VME (Alveolar dust fraction)	0,1 mg/m ³	FR VLE
Further information	Regulatory binding exposure limits			
		TWA (Respirable dust)	0,1 mg/m ³	2004/37/EC
Further information	Carcinogens or mutagens			

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	Workers	Inhalation	Long-term systemic effects	2,16 mg/m ³
	Workers	Inhalation	Acute systemic effects	2,16 mg/m ³
	Workers	Inhalation	Long-term local ef-	3,16 mg/m ³

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			fects	
	Workers	Inhalation	Acute local effects	3,6 mg/m3
	Workers	Dermal	Long-term systemic effects	43,2 mg/kg bw/day
	Workers	Dermal	Long-term local effects	4,54 mg/cm2

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
Talc ($Mg_3H_2(SiO_3)_4$)	Fresh water	597,97 mg/l
	Marine water	141,26 mg/l
	Fresh water sediment	31,33 mg/kg dry weight (d.w.)
	Marine sediment	3,13 mg/kg dry weight (d.w.)
	Air	10 mg/m3
	Intermittent use (freshwater)	597,97 mg/l
	Intermittent use (marine water)	141,26 mg/l

8.2 Exposure controls

Personal protective equipment

Eye protection : Eye wash bottle with pure water
Tightly fitting safety goggles

Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Skin and body protection : Dust impervious protective suit
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection : No personal respiratory protective equipment normally required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : granular

Colour : off-white

Odour : mild, sulphurous

Odour Threshold : not determined

pH : 7,0 (20 °C)
Concentration: 10 g/l

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	: ca. 155 - 160 °C
	: Not available for this mixture.
Flash point	: Not applicable
Evaporation rate	: Not available for this mixture.
Flammability (solid, gas)	: The product is not flammable.
Upper explosion limit / Upper flammability limit	: Not available for this mixture.
Lower explosion limit / Lower flammability limit	: 0,07 mg/m ³
Vapour pressure	: Not available for this mixture.
Relative vapour density	: Not available for this mixture.
Relative density	: Not available for this mixture.
Bulk density	: 0,84 g/cm ³ packed
Solubility(ies) Water solubility	: dispersible
Partition coefficient: n-octanol/water	: Not applicable
Decomposition temperature	: Not available for this mixture.
Viscosity Viscosity, kinematic	: Not applicable
Explosive properties	: Not explosive
Oxidizing properties	: The product is not oxidizing.

9.2 Other information

Minimum ignition energy	: 171 mJ
Self-ignition	: not auto-flammable

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

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10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

Dust may form explosive mixture in air.

10.4 Conditions to avoid

Conditions to avoid : No data available

10.5 Incompatible materials

Materials to avoid : Not applicable

10.6 Hazardous decomposition products

Stable under recommended storage conditions.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity : LD50 (Rat): > 5.000 mg/kg
Method: US EPA Test Guideline OPP 81-1
GLP: yes
Remarks: (Data on the product itself)
Information source: Internal study report

Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg
Method: US EPA Test Guideline OPP 81-2
GLP: yes
Remarks: (Data on the product itself)
Information source: Internal study report

Components:

2-[[[4-Ethoxy-6-(methylamino-1,3,5-triazin-2-yl)amino]carbonyl]amino]sul:

Acute oral toxicity : LD50 (Rat, male and female): > 5.000 mg/kg

Acute inhalation toxicity : LC50 (Rat, male and female): > 5,7 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Remarks: no mortality

Acute dermal toxicity : LD50 (Rat, male and female): > 2.000 mg/kg
Method: OECD Test Guideline 402

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LD50 (Rabbit, male and female): > 2.000 mg/kg

Quartz (SiO₂):

Acute oral toxicity	:	LD50 (Rat): > 5.000 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): > 5,01 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 436 Assessment: The substance or mixture has no acute inhalation toxicity Remarks: Based on data from similar materials
Acute dermal toxicity	:	LD50 (Rabbit): > 2.000 mg/kg Assessment: The substance or mixture has no acute dermal toxicity Remarks: Based on data from similar materials

Talc (Mg₃H₂(SiO₃)₄):

Acute oral toxicity	:	LD0 (Rat, male): > 5.000 mg/kg Method: OECD Test Guideline 423 Remarks: no mortality
Acute inhalation toxicity	:	LC0 (Rat, male and female): > 2,1 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Remarks: no mortality
Acute dermal toxicity	:	LD0 (Rat, male and female): > 2.000 mg/kg Method: OECD Test Guideline 402 Remarks: no mortality

Skin corrosion/irritation

Not classified based on available information.

Product:

Species	:	Rabbit
Method	:	OECD Test Guideline 404
Result	:	No skin irritation
GLP	:	yes
Remarks	:	Information source: Internal study report (Data on the product itself)

Components:

2-[[[4-Ethoxy-6-(methylamino-1,3,5-triazin-2-yl)amino]carbonyl]amino]sul:

Species	:	Rabbit
Method	:	OECD Test Guideline 404
Result	:	No skin irritation

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Quartz (SiO₂):

Species	: Rabbit
Method	: OECD Test Guideline 404
Result	: No skin irritation
Remarks	: Based on data from similar materials

Talc (Mg₃H₂(SiO₃)₄):

Species	: reconstructed human epidermis (RhE)
Result	: No skin irritation

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Species	: Rabbit
Method	: OECD Test Guideline 405
Result	: No eye irritation
GLP	: yes
Remarks	: Information source: Internal study report (Data on the product itself)

Components:

2-[[[[[4-Ethoxy-6-(methylamino-1,3,5-triazin-2-yl)]amino]carbonyl]amino]sul:

Species	: Rabbit
Method	: OECD Test Guideline 405
Result	: Irritation to eyes, reversing within 21 days

Quartz (SiO₂):

Species	: Rabbit
Method	: OECD Test Guideline 405
Result	: No eye irritation
Remarks	: Based on data from similar materials

Talc (Mg₃H₂(SiO₃)₄):

Species	: Rabbit
Method	: OECD Test Guideline 405
Result	: No eye irritation

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

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Product:

Species	: Guinea pig
Method	: US EPA Test Guideline OPP 81-6
Result	: Animal test did not cause sensitization by skin contact.
GLP	: yes
Remarks	: (Data on the product itself) Information source: Internal study report

Components:

2-[[[4-Ethoxy-6-(methylamino-1,3,5-triazin-2-yl)amino]carbonyl]amino]sul:

Test Type	: Local lymph node assay (LLNA)
Exposure routes	: Dermal
Species	: Mouse
Method	: OECD Test Guideline 429
Result	: Does not cause skin sensitisation.

Quartz (SiO₂):

Test Type	: Local lymph node assay (LLNA)
Species	: Mouse
Method	: OECD Test Guideline 429
Result	: Does not cause skin sensitisation.
Remarks	: Based on data from similar materials

Talc (Mg₃H₂(SiO₃)₄):

Test Type	: Maximisation Test
Exposure routes	: Dermal
Species	: Guinea pig
Method	: OECD Test Guideline 406
Result	: Does not cause skin sensitisation.

Exposure routes	: Inhalation
Species	: Rat
Result	: Does not cause respiratory sensitisation.

Germ cell mutagenicity

Not classified based on available information.

Components:

2-[[[4-Ethoxy-6-(methylamino-1,3,5-triazin-2-yl)amino]carbonyl]amino]sul:

Genotoxicity in vitro	: Test Type: reverse mutation assay Method: OECD Test Guideline 471 Result: negative
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Genotoxicity in vivo	: Test Type: In vivo micronucleus test Species: Mouse (male and female) Application Route: Oral Result: negative
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Test Type: Cytogenetic assay
Species: Rat (male and female)
Application Route: Oral
Result: negative

Germ cell mutagenicity- Assessment : Weight of evidence does not support classification as a germ cell mutagen.

Quartz (SiO₂):

Genotoxicity in vitro : Test Type: reverse mutation assay
Result: negative
Remarks: Based on data from similar materials

Genotoxicity in vivo : Test Type: Micronucleus test
Species: Rat
Method: OECD Test Guideline 474
Result: negative
Remarks: Based on data from similar materials

Talc (Mg₃H₂(SiO₃)₄):

Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test
Result: negative

Test Type: gene mutation test
Method: QSAR
Result: negative

Test Type: reverse mutation assay
Result: negative

Genotoxicity in vivo : Test Type: dominant lethal test
Species: Rat (male)
Application Route: Oral
Result: negative

Germ cell mutagenicity- Assessment : Weight of evidence does not support classification as a germ cell mutagen.

Carcinogenicity

Not classified based on available information.

Components:

2-[[[4-Ethoxy-6-(methylamino-1,3,5-triazin-2-yl)amino]carbonyl]amino]sul:

Carcinogenicity - Assessment : Weight of evidence does not support classification as a carcinogen

Talc (Mg₃H₂(SiO₃)₄):

Species : Rat, male and female

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Application Route	: Oral
Exposure time	: 101 d
Dose	: 100 mg/kg bw/day
	: 100 mg/kg bw/day
Method	: OECD Test Guideline 453
Result	: negative
Target Organs	: Stomach
Tumor Type	: Leiomyosarcoma
Carcinogenicity - Assessment	: Weight of evidence does not support classification as a carcinogen

Reproductive toxicity

Not classified based on available information.

Components:

2-[[[4-Ethoxy-6-(methylamino-1,3,5-triazin-2-yl)amino]carbonyl]amino]sul:

Effects on fertility	: Test Type: Two-generation study Species: Rat Application Route: Oral Dose: 250, 5000, 20000 ppm General Toxicity - Parent: NOEL: 20.000 General Toxicity F1: NOEL: 5.000 General Toxicity F2: NOEL: 20.000 Symptoms: No effects on fertility
Effects on foetal development	: Dose: 60, 250, 1000, 4000mg/kg bw/d General Toxicity Maternal: NOEL: 1.000 mg/kg body weight Developmental Toxicity: NOEL: 1.000 mg/kg body weight
Reproductive toxicity - Assessment	: Weight of evidence does not support classification for reproductive toxicity

Talc (Mg₃H₂(SiO₃)₄):

Effects on fertility	: Species: Rabbit, female Application Route: Oral Dose: 9, 42, 195, 900 mg/kg bw/day General Toxicity - Parent: NOAEL: > 900 mg/kg body weight General Toxicity F1: NOAEL: > 900 mg/kg body weight Result: negative
Effects on foetal development	: Test Type: reproductive and developmental toxicity study Species: Rat Application Route: Oral Dose: 0,16,74,350,1600mg/kg bw/day Duration of Single Treatment: 20 d General Toxicity Maternal: NOAEL: >= 1.600 mg/kg bw/day Embryo-foetal toxicity: NOAEL: 1.600 mg/kg bw/day Result: negative
Reproductive toxicity - Assessment	: Weight of evidence does not support classification for reproductive toxicity

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assessment

ductive toxicity

STOT - single exposure

Not classified based on available information.

Components:

Talc (Mg₃H₂(SiO₃)₄):

Assessment : The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure

Not classified based on available information.

Components:

2-[[[[[4-Ethoxy-6-(methylamino-1,3,5-triazin-2-yl)amino]carbonyl]amino]sul:

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Quartz (SiO₂):

Exposure routes : Inhalation
Target Organs : Lungs
Assessment : The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 1.

Repeated dose toxicity

Components:

Quartz (SiO₂):

Species : Rat
: 0,0025 mg/l
Application Route : Inhalation
Exposure time : 90 day
Method : OECD Test Guideline 413
Target Organs : Lungs
Remarks : Based on data from similar materials

Talc (Mg₃H₂(SiO₃)₄):

Species : Rat, male and female
NOAEL : 100 mg/kg
Application Route : Oral - feed
Exposure time : 101 d
Dose : 100 mg/kg bw/day

Species : Rat, male and female
NOAEL : 2 mg/m³
LOAEL : 6 mg/m³
Application Route : inhalation (dust/mist/fume)
Test atmosphere : dust/mist

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Exposure time : 20 d
Dose : 0, 2, 6, 18 mg/m³

Aspiration toxicity

Not classified based on available information.

Further information

Product:

Remarks : No data available

SECTION 12: Ecological information

12.1 Toxicity

Components:

2-[[[4-Ethoxy-6-(methylamino-1,3,5-triazin-2-yl)amino]carbonyl]amino]sul:

Toxicity to fish : LC50 (Lepomis macrochirus (Bluegill sunfish)): > 123 mg/l
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 203

LC50 (Oncorhynchus mykiss (rainbow trout)): > 126 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 108 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): 0,1 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

NOEC (Pseudokirchneriella subcapitata (green algae)): 0,025 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

EC50 (Anabaena flos-aquae (cyanobacterium)): 0,51 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 201

NOEC (Anabaena flos-aquae (cyanobacterium)): 0,03 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 201

M-Factor (Acute aquatic toxicity) : 10

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| Toxicity to microorganisms | : | EC50 (activated sludge): 100 mg/l
Exposure time: 3 h
Test Type: Respiration inhibition
Method: OECD Test Guideline 209 |
| Toxicity to fish (Chronic toxicity) | : | NOEC: 5,4 mg/l
Exposure time: 87 d
Species: Oncorhynchus mykiss (rainbow trout)
Method: OECD Test Guideline 210 |
| Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) | : | NOEC: 4,7 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 211 |
| M-Factor (Chronic aquatic toxicity) | : | 1 |
| Toxicity to soil dwelling organisms | : | LC50: > 1.000 mg/kg
Exposure time: 14 d
Species: Eisenia fetida (earthworms) |
| Toxicity to terrestrial organisms | : | LD50: > 2.250 mg/kg
Species: Colinus virginianus (Bobwhite quail)
Method: OPPTS 850.2100

NOEC: 1.250 mg/kg
Species: Coturnix japonica (Japanese quail)

LC50: > 5.620 ppm
Species: Anas platyrhynchos (Mallard duck)

NOEC: 5.620 ppm
Species: Anas platyrhynchos (Mallard duck) |

Quartz (SiO₂):

- | | | |
|------------------|---|---|
| Toxicity to fish | : | LC50 (Cyprinus carpio (Carp)): > 10.000 mg/l
Exposure time: 72 h |
|------------------|---|---|

Talc (Mg₃H₂(SiO₃)₄):

- | | | |
|---|---|---|
| Toxicity to fish | : | LC50 (Fish): 89.581,016 mg/l
Exposure time: 96 h
Method: QSAR |
| Toxicity to daphnia and other aquatic invertebrates | : | LC50 (Daphnia magna (Water flea)): 36.812,359 mg/l
Exposure time: 48 h
Method: QSAR |
| Toxicity to algae/aquatic plants | : | NOEC (green algae): 918,089 mg/l
Exposure time: 30 d
Method: QSAR |

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EC50 (green algae): 7.202,7 mg/l
Exposure time: 96 h
Method: QSAR

Toxicity to fish (Chronic toxicity) : NOEC: 1.412,648 mg/l
Exposure time: 30 d
Species: Fish
Method: QSAR

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 1.459,798 mg/l
Exposure time: 30 d
Species: Daphnia (water flea)
Method: QSAR

12.2 Persistence and degradability

Product:

Biodegradability : Result: Not readily biodegradable.
Remarks: Estimation based on data obtained on active ingredient.

Components:

2-[[[4-Ethoxy-6-(methylamino-1,3,5-triazin-2-yl)amino]carbonyl]amino]sul:

Biodegradability : Inoculum: activated sludge
Result: Not readily biodegradable.
Biodegradation: 30,74 %
Exposure time: 29 d
Method: OECD Test Guideline 301B

Quartz (SiO₂):

Biodegradability : Result: Not biodegradable

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: Does not bioaccumulate.
Estimation based on data obtained on active ingredient.

Components:

2-[[[4-Ethoxy-6-(methylamino-1,3,5-triazin-2-yl)amino]carbonyl]amino]sul:

Partition coefficient: n-octanol/water : log Pow: 2,01 (20 °C)
pH: 4

log Pow: -0,28 (20 °C)
pH: 7

log Pow: -1,83 (20 °C)
pH: 9

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Quartz (SiO₂):

Bioaccumulation : Remarks: Does not bioaccumulate.

Talc (Mg₃H₂(SiO₃)₄):

Bioaccumulation : Bioconcentration factor (BCF): 3,16
Method: QSAR

Partition coefficient: n-
octanol/water : log Pow: -9,4 (25 °C)
pH: 7
Method: QSAR

12.4 Mobility in soil

Product:

Distribution among environ-
mental compartments : Remarks: The product is not expected to be mobile in soils.

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This mixture contains no substance considered to be persis-
tent, bioaccumulating and toxic (PBT).. This mixture contains
no substance considered to be very persistent and very bio-
accumulating (vPvB)..

: This substance/mixture contains no components considered
to be either persistent, bioaccumulative and toxic (PBT), or
very persistent and very bioaccumulative (vPvB) at levels of
0.1% or higher..

12.6 Other adverse effects

Product:

Additional ecological infor-
mation : See product label for additional application instructions relat-
ing to environmental precautions.
No other ecological effects to be specially mentioned.

An environmental hazard cannot be excluded in the event of
unprofessional handling or disposal.
Very toxic to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water
courses or the soil.
Do not contaminate ponds, waterways or ditches with chemi-

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cal or used container.
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

SECTION 14: Transport information

14.1 UN number

ADN	: UN 3077
ADR	: UN 3077
RID	: UN 3077
IMDG	: UN 3077
IATA	: UN 3077

14.2 UN proper shipping name

ADN	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Ethametsulfuron-methyl)
ADR	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Ethametsulfuron-methyl)
RID	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Ethametsulfuron-methyl)
IMDG	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Ethametsulfuron-methyl)
IATA	: Environmentally hazardous substance, solid, n.o.s. (Ethametsulfuron-methyl)

14.3 Transport hazard class(es)

ADN	: 9
ADR	: 9
RID	: 9
IMDG	: 9
IATA	: 9

14.4 Packing group

ADN	
Packing group	: III
Classification Code	: M7
Hazard Identification Number	: 90

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Labels : 9

ADR

Packing group : III
Classification Code : M7
Hazard Identification Number : 90
Labels : 9
Tunnel restriction code : (-)

RID

Packing group : III
Classification Code : M7
Hazard Identification Number : 90
Labels : 9

IMDG

Packing group : III
Labels : 9
EmS Code : F-A, S-F

IATA (Cargo)

Packing instruction (cargo aircraft) : 956
Packing instruction (LQ) : Y956
Packing group : III
Labels : Miscellaneous

IATA (Passenger)

Packing instruction (passenger aircraft) : 956
Packing instruction (LQ) : Y956
Packing group : III
Labels : Miscellaneous

14.5 Environmental hazards

ADN

Environmentally hazardous : yes

ADR

Environmentally hazardous : yes

RID

Environmentally hazardous : yes

IMDG

Marine pollutant : yes

IATA (Passenger)

Environmentally hazardous : yes

IATA (Cargo)

Environmentally hazardous : yes

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.
E1 ENVIRONMENTAL HAZARDS

Occupational Illnesses (R-461-3, France) : 25

Reinforced medical supervision (R4624-18) : This product requires a reinforced medical supervision under Article R4624-18 (Labour Code)

Installations classified for the protection of the environment (Environment Code R511-9) : 4510

Other regulations:

Take note of Directive 92/85/EEC regarding maternity protection or stricter national regulations, where applicable.

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

The components of this product are reported in the following inventories:

TCSI : Not in compliance with the inventory

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TSCA	:	Product contains substance(s) not listed on TSCA inventory.
AICS	:	Not in compliance with the inventory
DSL	:	This product contains the following components that are not on the Canadian DSL nor NDSL. METHYL 2-[[4-ETHOXY-6-(METHYLAMINO)-1,3,5-TRIAZIN-2-YL]CARBAMOYLSULFAMOYL]BENZOATE Chlorite-group minerals dolomite
ENCS	:	Not in compliance with the inventory
ISHL	:	Not in compliance with the inventory
KECI	:	Not in compliance with the inventory
PICCS	:	Not in compliance with the inventory
IECSC	:	Not in compliance with the inventory
NZIoC	:	Not in compliance with the inventory

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture.

SECTION 16: Other information

Full text of H-Statements

H319	:	Causes serious eye irritation.
H372	:	Causes damage to organs through prolonged or repeated exposure if inhaled.
H400	:	Very toxic to aquatic life.
H410	:	Very toxic to aquatic life with long lasting effects.

Full text of other abbreviations

Aquatic Acute	:	Short-term (acute) aquatic hazard
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Eye Irrit.	:	Eye irritation
STOT RE	:	Specific target organ toxicity - repeated exposure
2004/37/EC	:	Europe. Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work
FR VLE	:	France. Occupational Exposure Limits (INRS)
2004/37/EC / TWA	:	Long term exposure limit
FR VLE / VME	:	Time Weighted Average

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ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Classification of the mixture:

Aquatic Acute 1	H400
Aquatic Chronic 1	H410

Classification procedure:

Calculation method
Calculation method

Disclaimer

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