

A16971B

SAFETY DATA SHEETS

Cyantraniliprole 400g/kg

10 March 2015

5.1.2.e Woo

Reference list of the attached Safety Data Sheets for the formulated product and the formulants used in the plant protection product A16971B:

- **H1:** 5.1.1.c Woo

5.1.1.c Woo	5.1.1.c Woo
Safety Data Sheet dated:	03 June 2014

- **H2: A16971B**

CYNT 40WG	5.1.1.c Woo
Safety Data Sheet dated:	26 August 2013

- **H3:** 5.1.1.c Woo

5.1.1.c Woo	5.1.1.c Woo
Safety Data Sheet dated:	04 June 2014, confirmed 06 March 2015

- **H4:** 5.1.1.c Woo

5.1.1.c Woo	5.1.1.c Woo
Safety Data Sheet dated:	19 September 2014, confirmed 06 March 2015

- **H5:** 5.1.1.c Woo

5.1.1.c Woo	5.1.1.c Woo
Safety Data Sheet dated:	06 January 2014, confirmed 06 March 2015

H1: Safety Data Sheet for 5.1.1.c Woo

5.1.1.c Woo

Version 4.0 (replaces: Version 3.0)
Revision Date 03.06.2014

Ref. 130000030985

This Safety Data Sheet adheres to the standards and regulatory requirements of the European Community and may not meet the regulatory requirements of other countries.

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

1.1. Product identifier

Product name : 5.1.1.c Woo

Synonyms :

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

Use of the Substance/Mixture : Insecticide

1.3. Details of the supplier of the safety data sheet

Company : 5.1.1.c Woo

Telephone :

Telefax :

E-mail address :

1.4. Emergency telephone number

Emergency telephone number :

Supplier :

Telephone :

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Acute aquatic toxicity,
Category 1 : H400: Very toxic to aquatic life.

Chronic aquatic toxicity,
Category 1 : H410: Very toxic to aquatic life with long lasting effects.

Dangerous for the
environment : R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects
in the aquatic environment.

2.2. Label elements

5.1.1.c Woo

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Environment

Warning

H410	Very toxic to aquatic life with long lasting effects.
Special labelling of certain substances and mixtures	EUH401: To avoid risks to human health and the environment, comply with the instructions for use.,
P391	Collect spillage.
P501	Dispose of contents/ container to an approved incineration plant.

2.3. Other hazards

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).
This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

SECTION 3: Composition/information on ingredients

3.1. Substances

Registration number	Classification according to Directive 67/548/EEC	Classification according to Regulation (EU) 1272/2008 (CLP)	Concentration (% w/w)
Cyantraniliprole (CAS-No.736994-63-1)			
	N;R50/53	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	

3.2. Mixtures

not applicable

The above products are REACH compliant; Registration number(s) may not be provided because substance(s) are exempted, not yet registered under REACH or are registered under another regulatory process (biocide uses, plant protection products), etc.

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 : Never give anything by mouth to an unconscious person.

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- Inhalation : Move to fresh air. Consult a physician after significant exposure. Artificial respiration and/or oxygen may be necessary.
- Skin contact : Take off all contaminated clothing immediately. Wash off immediately with soap and plenty of water. In the case of skin irritation or allergic reactions see a physician. Wash contaminated clothing before re-use.
- Eye contact : If easy to do, remove contact lens, if worn. Hold eye open and rinse slowly and gently with water for 15-20 minutes. If eye irritation persists, consult a specialist.
- Ingestion : Obtain medical attention. DO NOT induce vomiting unless directed to do so by a physician or poison control center. If victim is conscious: Rinse mouth with water.

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

- Symptoms : No cases of human intoxication are known and the symptoms of experimental intoxication are not known.

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 : Water spray, Foam, Dry chemical, Carbon dioxide (CO₂)

- Extinguishing media which shall not be used for safety reasons : High volume water jet, (contamination risk)

5.2. Special hazards arising from the substance or mixture

- Specific hazards during firefighting : Hazardous decomposition products formed under fire conditions. Carbon dioxide (CO₂) nitrogen oxides

5.3. Advice for firefighters

- Special protective equipment for firefighters : Wear full protective clothing and self-contained breathing apparatus.

- Further information : (on small fires) If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Cool containers / tanks with water spray.
- : Prevent fire extinguishing water from contaminating surface water or the ground water system. 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.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Control access to area. Avoid breathing dust. Avoid dust formation. Avoid contact with skin and eyes. Use personal protective equipment. Refer to protective measures listed in sections 7 and 8.

6.2. Environmental precautions

Environmental precautions : Use appropriate container to avoid environmental contamination. Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3. Methods and materials for containment and cleaning up

Methods for cleaning up : Clean-up methods - small spillage Sweep up or vacuum up spillage and collect in suitable container for disposal.
Clean-up methods - large spillage Avoid dust formation. Knock down dust with water spray jet. 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).

Other information : Never return spills in original containers for re-use. Dispose of in accordance with local regulations.

6.4. Reference to other sections

For personal protection see section 8., For disposal instructions see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling : Use only according to our recommendations. Use only clean equipment. Do not breathe dust. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. For personal protection see section 8. Provide appropriate exhaust ventilation at places where dust is formed. Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use. Avoid exceeding of the given occupational exposure limits (see section 8).

Advice on protection against fire and explosion : Keep away from heat and sources of ignition. Avoid dust formation in confined areas. During processing, dust may form explosive mixture in air.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container. Keep in properly labelled containers. Store in a place accessible by authorized persons only. 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.

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Advice on common storage : No special restrictions on storage with other products.

Other data : Stable under recommended storage conditions.

7.3. Specific end use(s)

Plant protection products subject to Regulation (EC) No 1107/2009.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

If sub-section is empty then no values are applicable.

8.2. Exposure controls

Engineering measures : Ensure adequate ventilation, especially in confined areas. Provide for appropriate exhaust ventilation and dust collection at machinery. Use sufficient ventilation to keep employee exposure below recommended limits.

Eye protection : Safety glasses with side-shields conforming to EN166

Hand protection : Material: Nitrile rubber
Glove thickness: 0,3 mm
Glove length: Standard glove type.
Protection index: Class 6
Wearing time: > 480 min
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. The suitability for a specific workplace should be discussed with the producers of the protective gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact). Gloves must be inspected prior to use. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Gauntlets shorter than 35 cm long shall be worn under the combination sleeve. Before removing gloves clean them with soap and water.

Skin and body protection : Manufacturing and processing work: Full protective clothing Type 5 (EN 13982-2)

Protective measures : The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. All chemical protective clothing should be visually inspected prior to use. Clothing and gloves should be replaced in case of chemical or physical damage or if contaminated. Only protected handlers may be in the area during application.

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- Hygiene measures** : Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing. Keep working clothes separately. Contaminated work clothing should not be allowed out of the workplace. Wash hands and face before breaks and immediately after handling the product. When using do not eat, drink or smoke. Keep away from food, drink and animal feedingstuffs. For environmental protection remove and wash all contaminated protective equipment before re-use. Remove clothing/PPE immediately if material gets inside. Wash thoroughly and put on clean clothing. Dispose of rinse water in accordance with local and national regulations.
- Respiratory protection** : Manufacturing and processing work: Half mask with a particle filter FFP1 (EN149)

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Form** : buiten reikwijdte verzoek
- Colour** : buiten reikwijdte verzoek
- Odour** : buiten reikwijdte verzoek
- Odour Threshold** : buiten reikwijdte verzoek
- pH** : buiten reikwijdte verzoek
- Melting point/range** : buiten reikwijdte verzoek
- Boiling point/boiling range** : buiten reikwijdte verzoek
- Flash point** : buiten reikwijdte verzoek
- Flammability (solid, gas)** : buiten reikwijdte verzoek
- Thermal decomposition** : buiten reikwijdte verzoek
- Auto-ignition temperature** : buiten reikwijdte verzoek
- Oxidizing properties** : buiten reikwijdte verzoek
- Explosive properties** : buiten reikwijdte verzoek
- Lower explosion limit/ lower flammability limit** : buiten reikwijdte verzoek
- Upper explosion limit/ upper flammability limit** : buiten reikwijdte verzoek
- Vapour pressure** : buiten reikwijdte verzoek
- Density** : buiten reikwijdte verzoek
- Bulk density** : buiten reikwijdte verzoek

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Water solubility : buiten reikwijdte verzoek

Partition coefficient: n-octanol/water : buiten reikwijdte verzoek

Viscosity, kinematic : buiten reikwijdte verzoek

Relative vapour density : buiten reikwijdte verzoek

Evaporation rate : buiten reikwijdte verzoek

9.2. Other information

Phys.-chem./other information : No other data to be specially mentioned.

SECTION 10: Stability and reactivity

10.1. Reactivity : No hazards to be specially mentioned.

10.2. Chemical stability : The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use. Polymerization will not occur. No decomposition if stored and applied as directed.

10.4. Conditions to avoid : To avoid thermal decomposition, do not overheat. Under severe dusting conditions, this material may form explosive mixtures in air.

10.5. Incompatible materials : No materials to be especially mentioned.

10.6. Hazardous decomposition products : No materials to be especially mentioned.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

LD50 / rat : > 5,000 mg/kg
Method: OECD Test Guideline 425
Information source: Internal study report

Acute inhalation toxicity

LC50 / 4 h rat : > 5,24 mg/l
Method: OECD Test Guideline 403
Information source: Internal study report

Acute dermal toxicity

LD50 / rat : > 5,000 mg/kg

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Method: OECD Test Guideline 402
Information source: Internal study report

Skin irritation

rabbit
Result: No skin irritation
Method: OECD Test Guideline 404
Exposure time 72 h
Information source: Internal study report

Eye irritation

rabbit
Result: No eye irritation
Method: OECD Test Guideline 405
Exposure time 72 h
Information source: Internal study report

Sensitisation

guinea pig Local lymph node test
Result: Animal test did not cause sensitization by skin contact.
Method: OECD Test Guideline 429
Information source: Internal study report

Repeated dose toxicity

Oral mouse
Exposure time: 90 d
The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions., Organ weight changes

Oral rat
Exposure time: 28 - 90 d
The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions., Thyroid effects, Organ weight changes

Dermal rat
Exposure time: 28 d
No toxicologically significant effects were found.

Oral dog
Exposure time: 90 d
The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions., Reduced body weight gain, altered blood chemistry, Organ weight changes

Mutagenicity assessment

Tests on bacterial or mammalian cell cultures did not show mutagenic effects. Did not show mutagenic effects in animal experiments. Not mutagenic in Ames Test.

Carcinogenicity assessment

Did not show carcinogenic effects in animal experiments.

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Toxicity to reproduction assessment

Animal testing showed no reproductive toxicity.

STOT - single exposure—

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

STOT - repeated exposure

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

Aspiration hazard

The substance does not have properties associated with aspiration hazard potential.

SECTION 12: Ecological information

12.1. Toxicity

Toxicity to fish

static test / LC50 / 96 h / *Oncorhynchus mykiss* (rainbow trout): 12,6 mg/l
Method: OECD Test Guideline 203
Information source: Internal study report

Toxicity to aquatic plants

ErC50 / 72 h / *Pseudokirchneriella subcapitata* (green algae): > 13 mg/l
Method: OECD Test Guideline 201
Information source: Internal study report

ErC50 / 96 h / *Skeletonema costatum* (Diatom): > 10 mg/l
Method: OECD Test Guideline 201
Information source: Internal study report

ErC50 / 7 d / *Lemna gibba* (duckweed): > 12,1 mg/l
Method: OECD Test Guideline 221
Information source: Internal study report

Toxicity to aquatic invertebrates

static test / EC50 / 48 h / *Daphnia magna* (Water flea): 0,0204 mg/l
Method: OECD Test Guideline 202
Information source: Internal study report

Toxicity to soil dwelling organisms

LC50 / 14 d / *Eisenia fetida* (earthworms): > 1 000 mg/kg
Method: OECD Test Guideline 207
Information source: Internal study report

Toxicity to other organisms

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LD50 / *Colinus virginianus* (Bobwhite quail): > 2 250 mg/kg

Method: US EPA Test Guideline OPP 71-1

Information source: Internal study report

LC50 / 5 d / *Anas platyrhynchos* (Mallard duck): > 5 620 mg/kg

Method: OECD Test Guideline 205

Dietary Information source: Internal study report

LD50 / 48 h / *Apis mellifera* (bees): > 0.1055 µg/b

Method: OECD Test Guideline 213

Oral Information source: Internal study report

LD50 / 48 h / *Apis mellifera* (bees): > 0.0934 µg/b

Method: OECD Test Guideline 214

Contact Information source: Internal study report

Chronic toxicity to fish

Early Life-Stage / NOEC / 28 d / *Oncorhynchus mykiss* (rainbow trout): 10,7 mg/l

Method: OECD Test Guideline 210

Information source: Internal study report

Early Life-Stage / NOEC / 28 d / *Cyprinodon variegatus* (sheepshead minnow): 2,9 mg/l

Method: US EPA Test Guideline OPPTS 850.1400

Information source: Internal study report

Chronic toxicity to aquatic Invertebrates

Static-Renewal / NOEC / 21 d / *Daphnia magna* (Water flea): 0,00656 mg/l

Method: OECD Test Guideline 211

Information source: Internal study report

M-Factor (Acute Aquat. Tox.)

10

M-Factor (Chron. Aquat. Tox.)

100

12.2. Persistence and degradability

Biodegradability

According to the results of tests of biodegradability this product is not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulation

Bioconcentration factor (BCF): < 1

Method: OECD Test Guideline 305

Does not bioaccumulate. Information source: Internal study report

12.4. Mobility in soil

Mobility in soil

The product is not expected to be mobile in soils.

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12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). / This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

12.6. Other adverse effects

Additional ecological information

No other ecological effects to be specially mentioned

SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Product : In accordance with local and national regulations. Must be incinerated in a suitable incineration plant holding a permit delivered by the competent authorities. Do not contaminate ponds, waterways or ditches with chemical or used container.
- Contaminated packaging : Do not re-use empty containers.
- European Waste Catalogue number : 020108: agrochemical waste containing dangerous substances

SECTION 14: Transport information

ADR

- 14.1. UN number: 3077
- 14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Cyantraniliprole)
- 14.3. Transport hazard class(es): 9
- 14.4. Packing group: III
- 14.5. Environmental hazards: For further information see Section 12.
- 14.6. Special precautions for user: (E)
- Tunnel restriction code:

IATA_C

- 14.1. UN number: 3077
- 14.2. UN proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Cyantraniliprole)
- 14.3. Transport hazard class(es): 9
- 14.4. Packing group: III
- 14.5. Environmental hazards : For further information see Section 12.
- 14.6. Special precautions for user: DuPont internal recommendations and transport guidance: ICAO / IATA cargo aircraft only

IMDG

- 14.1. UN number: 3077
- 14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Cyantraniliprole, Cyantraniliprole)
- 14.3. Transport hazard class(es): 9
- 14.4. Packing group: III

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- 14.5. Environmental hazards : Marine pollutant
- 14.6. Special precautions for user:
no data available
- 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

Other regulations : The product is classified as dangerous in accordance with Regulation (EC) No. 1272/2008. Take note of Dir 94/33/EC on the protection of young people at work. Take note of Dir 92/85/EEC on the safety and health at work of pregnant workers. Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work. Take note of Directive 96/82/EC on the control of major-accident hazards involving dangerous substances. Take note of Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values.

15.2. Chemical Safety Assessment

A Chemical Safety Assessment is not required for this substance.
The substance is evaluated within the frame of the provisions of Regulation (EC) No. 1107/2009.

SECTION 16: Other information

Text of R-phrases mentioned in Section 3

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Full text of H-Statements referred to under section 3.

H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Other information professional use

Abbreviations and acronyms

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute toxicity estimate
CAS-No.	Chemical Abstracts Service number
CLP	Classification, Labelling and Packaging
EbC50	Concentration at which 50% reduction of biomass is observed
EC50	Median effective concentration
EN	European Norm
EPA	Environmental Protection Agency
ErC50	Concentration at which a 50% inhibition of growth rate is observed
EyC50	Concentration at which 50 % inhibition of yield is observed
IATA_C	International Air Transport Association (Cargo)
IBC	International Bulk Chemical Code
ICAO	International Civil Aviation Organization

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ISO	International Standard Organization
IMDG	International Maritime Dangerous Goods
LC50	Median Lethal Concentration
LD50	Median Lethal Dose
LOEC	Lowest Observed Effect Concentration
LOEL	Lowest observable effect level
MARPOL	International Convention for the Prevention of Marine Pollution from Ships
n.o.s.	Not Otherwise Specified
NOAEC	No Observed Adverse Effect Concentration
NOAEL	No observed adverse effect level
NOEC	No Observed Effect Concentration
NOEL	No Observed Effect Level
OECD	Organisation for Economic Co-operation and Development
OPPTS	Office of Prevention, Pesticides and Toxic Substances
PBT	Persistent, Bioaccumulative and Toxic
STEL	Short term exposure limit
TWA	time weighted average
vPvB	very Persistent and very Bioaccumulative

Restrictions on use

Industrial applications
Technical product for formulation purpose only

Further information

Before use read 5.1.1.c Woo safety information.

Significant change from previous version is denoted with a double bar.

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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

H2: Safety Data Sheet for A16971B

PROV: CYNT 40WG

Version 5 - This version replaces all previous versions.

Revision Date 26.08.2013

Print Date 26.08.2013

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier****Product name** : PROV: CYNT 40WG**Design code** : A16971B**1.2 Relevant identified uses of the substance or mixture and uses advised against****Use** : Insecticide**1.3 Details of the supplier of the safety data sheet****Company**

5.1.1.c Woo

Telephone :**Telefax** :**E-mail address** :**1.4 Emergency telephone number****Emergency telephone number** :

5.1.1.c Woo

SECTION 2. HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

Classification according to Regulation (EU) 1272/2008

Acute aquatic toxicity Category 1 H400

Chronic aquatic toxicity Category 1 H410

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

N, Dangerous for the environment**R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.**

PROV: CYNT 40WG

Version 5 - This version replaces all previous versions.

Revision Date 26.08.2013

Print Date 26.08.2013

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	:	P273 P391 P501	Avoid release to the environment. Collect spillage. Dispose of contents/ container to an approved waste disposal plant.
Supplemental information	:	EUH401	To avoid risks to human health and the environment, comply with the instructions for use.

Hazardous components which must be listed on the label:

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

Symbol(s)



**Dangerous
for the envi-
ronment**

R-phrases(s)	:	R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrases(s)	:	S 2 S13 S20/21 S35 S57	Keep out of the reach of children. Keep away from food, drink and animal feedingstuffs. When using do not eat, drink or smoke. This material and its container must be disposed of in a safe way. Use appropriate container to avoid environmental contamination.
Additional Labelling	:	To avoid risks to man and the environment, comply with the instructions for use.	

PROV: CYNT 40WG

Version 5 - This version replaces all previous versions.

Revision Date 26.08.2013

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2.3 Other hazards

May form flammable dust-air mixture.

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
Cyantranilprole	736994-63-1	N R50/53	Aquatic Acute1; H400 Aquatic Chronic1; H410	

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.

PROV: CYNT 40WG

Version 5 - This version replaces all previous versions.

Revision Date 26.08.2013

Print Date 26.08.2013

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.

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.

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Revision Date 26.08.2013

Print Date 26.08.2013

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.

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

This material is capable of forming flammable dust clouds in air, which, if ignited, can produce a dust cloud explosion. Flames, hot surfaces, mechanical sparks and electrostatic discharges can serve as ignition sources for this material. Electrical equipment should be compatible with the flammability characteristics of this material. The flammability characteristics will be made worse if the material contains traces of flammable solvents or is handled in the presence of flammable solvents.

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

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.

: Physically and chemically stable for at least 2 years when stored in the original unopened sales container at ambient temperatures.

7.3 Specific end use(s)

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.

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Print Date 26.08.2013

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.
- Hand protection** : Chemical resistant gloves are not usually required.
Select gloves based on the physical job requirements.
- 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	:	buiten reikwijdte verzoek
Form	:	
Colour	:	
Odour	:	
Odour Threshold	:	
pH	:	
Melting point/range	:	
Boiling point/boiling range	:	
Flash point	:	
Evaporation rate	:	
Flammability (solid, gas)	:	
Lower explosion limit	:	
Upper explosion limit	:	
Vapour pressure	:	
Relative vapour density	:	
Density	:	
Solubility in other solvents	:	
Partition coefficient: n-octanol/water	:	

PROV: CYNT 40WG

Version 5 - This version replaces all previous versions.

Revision Date 26.08.2013

Print Date 26.08.2013

buiten reikwijdte verzoek	
Auto-ignition temperature	:
Thermal decomposition	:
Viscosity, dynamic	:
Viscosity, kinematic	:
Explosive properties	:
Oxidizing properties	:
9.2 Other information	
Minimum ignition temperature	:
Dust explosion class	:
Minimum ignition energy	:
Bulk density	:
Burning number	:
buiten reikwijdte verzoek	

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 female rat, > 5,000 mg/kg

Acute inhalation toxicity : LC50 male and female rat, > 5.04 mg/l , 4 h

Acute dermal toxicity : LD50 male and female rat, > 5,000 mg/kg

Skin corrosion/irritation : rabbit: Non-irritating

Serious eye damage/eye irritation : rabbit: Mildly irritating

PROV: CYNT 40WG

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Respiratory or skin sensitisation : Buehler Test guinea pig: Not a skin sensitizer in animal tests.

Germ cell mutagenicity

Cyantraniliprole : Did not show mutagenic effects in animal experiments.

Carcinogenicity

Cyantraniliprole : Did not show carcinogenic effects in animal experiments.

Reproductive toxicity

Cyantraniliprole : Did not show reproductive toxicity effects in animal experiments.

SECTION 12. ECOLOGICAL INFORMATION**12.1 Toxicity**

Toxicity to fish : LC50 Oncorhynchus mykiss (rainbow trout), > 100 mg/l , 96 h

Toxicity to aquatic invertebrates : EC50 Daphnia magna (Water flea), 0.027 mg/l , 48 h

Toxicity to aquatic plants : EbC50 Pseudokirchneriella subcapitata (green algae), 16 mg/l , 72 h
: ErC50 Pseudokirchneriella subcapitata (green algae), > 100 mg/l , 72 h

12.2 Persistence and degradabilityBiodegradability

Cyantraniliprole : Not readily biodegradable.

Stability in water

Cyantraniliprole : no data available

Stability in soil

Cyantraniliprole :
no data available

12.3 Bioaccumulative potential

Cyantraniliprole : < 1 Does not bioaccumulate.

12.4 Mobility in soil

Cyantraniliprole : The product is not expected to be mobile in soil.

12.5 Results of PBT and vPvB assessment

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Revision Date 26.08.2013

Print Date 26.08.2013

Cyantraniliprole : This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).
This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

12.6 Other adverse effects

Other information : Classification of the product is based on the summation of the concentrations of classified components.

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.

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

14.1 UN number: UN 3077
14.2 UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CYANTRANILIPROLE)
14.3 Transport hazard class(es): 9
14.4 Packing group: III
Labels: 9
14.5 Environmental hazards : Environmentally hazardous

Sea transport (IMDG)

14.1 UN number: UN 3077
14.2 UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CYANTRANILIPROLE)
14.3 Transport hazard class(es): 9
14.4 Packing group: III
Labels: 9
14.5 Environmental hazards : Marine pollutant

PROV: CYNT 40WG

Version 5 - This version replaces all previous versions.

Revision Date 26.08.2013

Print Date 26.08.2013

Air transport (IATA-DGR)

14.1 UN number: UN 3077
 14.2 UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CYANTRANILIPROLE)
 14.3 Transport hazard class(es): 9
 14.4 Packing group: III
 Labels: 9

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	:	H410 Very toxic to aquatic life with long lasting effects.
Precautionary statements	:	P273 Avoid release to the environment. P391 Collect spillage. P501 Dispose of contents/ container to an approved waste disposal plant.
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:

PROV: CYNT 40WG

Version 5 - This version replaces all previous versions.

Revision Date 26.08.2013

Print Date 26.08.2013

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:

R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
--------	--

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

H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

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.

Product names are a trademark or registered trademark of a Syngenta Group Company.

H3: Safety Data Sheet for lignosulfonic acid, sodium salt

From: 5.1.2.e Woo
To: 5.1.2.e Woo
Subject: RE: MSDS Request
Date: 06 March 2015 11:31:10
Attachments: [image001.png](#)
5.1.1.c Woo

Hello 5.1.2.e Woo

Enclosed a copy of our latest version. All needed information should be stated in sheet.

Kind regards

5.1.2.e Woo

Customer service coordinator

5.1.1.c Woo

From: 5.1.2.e Woo 5.1.2.e Woo @SYNGENTA.COM]
Sent: 6. mars 2015 12:17
To: 5.1.2.e Woo
Subject: MSDS Request

Good Morning,

For regulatory purposes, please could you send me an MSDS (EU REACH) for 5.1.1.c Woo in English.

Many thanks & best regards

5.1.2.e Woo

5.1.2.e Woo
Regulatory Specialist
European Product Registration

The Syngenta logo, featuring the word "syngenta" in a bold, blue, sans-serif font. A small green leaf icon is positioned above the letter 'y'.

Syngenta Crop Protection AG Werk

5.1.1.c Woo

Email: 5.1.2.e Woo [@syngenta.com](mailto:5.1.2.e Woo@syngenta.com)

2.e Woo
5.1.2.e Woo
Regulatory Specialist

SAFETY DATA SHEET

5.1.1.c Woo

Last changed: 04/06/2014

Replaces date: 04/06/2013

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

1.1. Product identifier

Trade name 5.1.1.c Woo
Synonyms Lignosulfonsyre - natriumsalt - sodiumlignosulphonate
CAS NO. 8061-51-6;

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

INADVISABLE USES: None.

1.3. Details of the supplier of the safety data sheet

NATIONAL MANUFACTURER / IMPORTER

Enterprise 5.1.1.c Woo
Address
Postal code
Country
Tel
Fax

CONTACT PERSON

Name	Email	Tel	Country
5.1.2.e Woo	5.1.1.c Woo		

1.4. Emergency telephone number

Emergency Phone	Type of assistance	Opening Hours
5.1.1.c Woo		

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

DPD Classification:

CLP Classification:

The product does not have to be classified. .

Most serious harmful effects::

2.2. Label elements

Signal word: None

EC-Label: No

2.3. Other hazards

OTHER HAZARDS

None.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

SAFETY DATA SHEET

5.1.1.c Woo

Last changed: 04/06/2014

Replaces date: 04/06/2013

Ingredient name	Reg. no.	EC No.	CAS No.	Conc. (wt %)	DPD-Classification	CLP-classification
Sodium lignosulphonate			8061-51-6	buiten reikwijdte	No classification required	

Full text of R-, H- and EUH-phrases: see section 16.

The EUH hazard statements mentioned in CLP-classification are only label elements.

INGREDIENT COMMENTS

No hazardous product as specified in Directive 67/548.

SECTION 4: First aid measures

4.1. Description of first aid measures

INHALATION

Move the exposed person to fresh air at once.

INGESTION

Drink plenty of water. Contact physician if symptoms appears.

SKIN

Rinse the skin immediately with lots of water.

EYES

Remove any contact lenses and rinse with water for at least 15 minutes (keep the eyelids open).

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

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

None.

4.3. Indication of any immediate medical attention and special treatment needed

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

None.

SECTION 5: Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING MEDIA:

Extinguishing agent: carbon dioxide, powder, alcohol-resistant foam, a wide water jet or water mist.

UNSUITABLE EXTINGUISHING MEDIA

Avoid water in straight hose stream; will scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

SPECIAL HAZARDS

High concentrations of dust may form explosive mixture with air. ($t > 450^{\circ}\text{C}$).

5.3. Advice for firefighters

ADVICE FOR FIREFIGHTERS

General: Evacuate all personnel, use protective equipment for fire fighting. Use a portable breathing apparatus when the product is involved in a fire.

SECTION 6: Accidental release measures

SAFETY DATA SHEET

5.1.1.c Woo

Last changed: 04/06/2014

Replaces date: 04/06/2013

6.1. Personal precautions, protective equipment and emergency procedures

PERSONAL PRECAUTIONS

Mechanical ventilation or local exhaust ventilation is required. Avoid generation and spreading of dust.

6.2. Environmental precautions

ENVIRONMENTAL PRECAUTIONS

Prevent spillage entering a watercourse or sewer, contaminating soil or vegetation. If this is not possible notify police and appropriate authorities immediately.

6.3. Methods and material for containment and cleaning up

METHODS AND MATERIAL

Collect with vacuum cleaner or carefully sweep together and collect. Avoid generation and spreading of dust. Wear respirator if there is dust formation.

6.4. Reference to other sections

REFERENCES

See section 13 for instructions on disposal.

OTHER INFORMATION

Keep run-off water out of sewers and water sources. Dike for water control. Avoid generation and spreading of dust.

SECTION 7: Handling and storage

7.1. PRECAUTIONS FOR SAFE HANDLING

Provide sufficient ventilation for operations causing dust formation. Mechanical ventilation or local exhaust ventilation may be required. Avoid inhaling dust/mist.

7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep in cool, dry, ventilated storage and closed containers.

7.3. SPECIFIC END USE(S)

Preparation has low toxicity, therefore risk of damage is limited in normal handling. Wear appropriate clothing to prevent repeated or prolonged skin contact.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Ingredient name	CAS No.	Range	ppm	mg / m ³	Year	Remarks
Nuisance dust, total		8 h		10	2013	

R=Toxic for reproduction, H=Skin absorption, K=Carcinogenic, A=Sensitising, T=Upper limit, M=Mutagenic

MONITORING PROCEDURES

Avoid generation and spreading of dust.

8.2. Exposure controls

APPROPRIATE ENGINEERING CONTROLS

Provide adequate general and local exhaust ventilation. Avoid dust formation.

EYE PROTECTION

Use tight fitting goggles if dust is generated.

HAND PROTECTION

Wear suitable protective clothing and gloves.

SAFETY DATA SHEET

5.1.1.c Woo

Last changed: 04/06/2014

Replaces date: 04/06/2013

RESPIRATORY PROTECTION

Wear respirator if there is dust formation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

STATE Powder.
COLOUR Brown.
ODOUR Mild.
SOLUBILITY Water soluble.

Parameter	buiten reikwijdte verzoek	Method / reference	Observation
pH (concentrate)			
pH (solution for use)			
Melting point			
Freezing point			
Initial boiling point and boiling range			
Flash point			
Evaporation rate			
Flammability (solid, gas)			
Flammability limits			
Explosion limits			
Vapour pressure			
Vapour density			
Relative density			
Partition coefficient			
Auto-ignition temperature			
Decomposition temperature			
Viscosity			

9.2. Other information

Parameter	Value / unit	Method / reference	Observation
Density	buiten reikwijdte verzoek		

Note no.	Comments
----------	----------

SECTION 10: Stability and reactivity

10.1. REACTIVITY

Not reactive.

10.2. CHEMICAL STABILITY

Stable under recommended storage and handling conditions.

10.3. POSSIBILITY OF HAZARDOUS REACTIONS

None known.

10.4. CONDITIONS TO AVOID

None known.

10.5. INCOMPATIBLE MATERIALS

None known.

10.6. HAZARDOUS DECOMPOSITION PRODUCTS

No dangerous reactions known.

SAFETY DATA SHEET

5.1.1.c Woo

Last changed: 04/06/2014

Replaces date: 04/06/2013

SECTION 11: Toxicological information

11.1. Information on toxicological effects

5.1.1.c Woo						Source	Test method
Route of exposure	Exposure time	Value / unit	Result	Species			
LD50 (Oral)		> 15000 mg/kg		Rat			

ACUTE TOXICITY - DERMAL

OECD 404, "Not classified as irritating to skin".

ACUTE TOXICITY - INHALATION

Dust may irritate the respiratory tract.

SERIOUS EYE DAMAGE/EYE IRRITATION

OECD-test 405: "Not classified as eye irritant".

SECTION 12: Ecological information

12.1. Toxicity

ECOTOXICITY

Not regarded as dangerous for the environment.

12.2. Persistence and degradability

PERSISTENCE AND DEGRADABILITY

Expected to be readily biodegradable.

12.3. Bioaccumulative potential

BIOACCUMULATIVE POTENTIAL

Not bioaccumulating in water environments

12.4. Mobility in soil

MOBILITY

Water soluble.

12.5. Results of PBT and vPvB assessment

RESULTS OF PBT AND VPVB ASSESSMENT

The product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

OTHER EFFECTS

None known.

OTHER INFORMATION

According to OECD Method No. 203, the product is not classified as toxic to fish.

According to Bringham & Kühn test growth inhibiting of micro-organisms (1977), it must be classified as not toxic to cell division of *Pseudomonas Putida* at concentrations <5g / l. According to the OECD method No. 302B, the product is classified as "inherently" biodegradable.

SECTION 13: Disposal considerations

SAFETY DATA SHEET

5.1.1.c Woo

Last changed: 04/06/2014

Replaces date: 04/06/2013

13.1. Waste treatment methods

GENERAL REGULATIONS

Dump or destroy in accordance with official recommendations and applicable legislation.

SECTION 14: Transport information

Classified as Dangerous Goods: **No**

Land transport (ADR/RID)			
14.1. UN number	Not applicable	14.4. Packing group	Not applicable
14.2. UN proper shipping name	Not applicable	14.5. Environmental hazards	Not applicable
14.3. Transport hazard class(es)	Not applicable		
Hazard label(s)	Not applicable		
Hazard identification number	Not applicable	Tunnel restriction code	Not applicable

Inland water ways transport (ADN)			
14.1. UN number	Not applicable	14.4. Packing group	Not applicable
14.2. UN proper shipping name	Not applicable	14.5. Environmental hazards	Not applicable
14.3. Transport hazard class(es)	Not applicable		
Hazard label(s)	Not applicable		
Environmental hazard in tank vessels	Not applicable		

Sea transport (IMDG)			
14.1. UN number	Not applicable	14.4. Packing group	Not applicable
14.2. UN proper shipping name	Not applicable	14.5. Environmental hazards	Not applicable
14.3. Transport hazard class(es)	Not applicable		
Sub Risk:	Not applicable		
IMDG Code segregation group	Not applicable		
Marine pollutant	Not applicable		
EMS:	Not applicable		

SAFETY DATA SHEET

5.1.1.c Woo

Last changed: 04/06/2014

Replaces date: 04/06/2013

Air transport (ICAO-TI / IATA-DGR)

14.1. UN number	Not applicable	14.4. Packing group	Not applicable
14.2. UN proper shipping name	Not applicable		
14.3. Transport hazard class(es)	Not applicable		
Hazard label(s)	Not applicable		

OTHER INFORMATION

Not classified as dangerous goods.

SECTION 15: Regulatory information

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

PROVISIONS

ADR/RID (2007) ECHA FAQ 7.7. GHS / CLP (EC NO1272/2008)

15.2. Chemical safety assessment

OTHER INFORMATION

Not classified.

SECTION 16: Other information

Indication of changes

ISSUED: 23/01/2013

Indication of changes

Version	Rev. date	Responsible	Changes
1.1.0	04/06/2014	5.1.1.c Woo	

VENDOR NOTES

Information given in this safety data sheet is in accordance with our information, and to the best of our knowledge, was correct on the last revision date. Information given is intended to present guidelines for safe handling, use, processing, storage, transport, disposal and discharge; it is not intended to be a guarantee or quality specification. It is the responsibility of the recipient of this safety data sheet to ensure that information given here is read and understood by all who use, handle, dispose of or in any way come in contact with the product.

H4: Safety Data Sheet for polydimethylsiloxane

From: 5.1.2.e Woo
To: 5.1.2.e Woo
Subject: Re: MSDS Request
Date: 06 March 2015 13:36:46
Attachments: 5.1.1.c Woo

Hello,

here it is enclosed...

Regards,

5.1.1.c Woo

5.1.1.c Woo

2015-03-06 12:15 GMT+01:00 5.1.2.e Woo
<5.1.2.e Woo@syngenta.com>:

Good Morning,

For regulatory purposes, please could you send me an MSDS (EU REACH) for
5.1.1.c Woo in English.

Many thanks & best regards

5.1.2.e Woo

5.1.2.e Woo

Regulatory Specialist

European Product Registration

The Syngenta logo, featuring the word "syngenta" in a blue, lowercase, sans-serif font, with a green leaf icon above the letter "y".

5.1.1.c Woo

SAFETY DATA SHEET

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

Product identifier:

Product name: 5.1.1.c Woo

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

Identified uses: 5.1.1.c Woo

Uses advised against: None known.

Details of the supplier of the safety data sheet:

Manufacturer:

5.1.1.c Woo

SECTION 2: Hazards identification

Classification of the substance or mixture:

The product has not been classified as hazardous according to the legislation in force.

Hazard summary:

Physical hazards: No specific recommendations.

Health hazards:

Inhalation: No specific symptoms noted.

Eye contact: No specific symptoms noted.

Skin contact: No specific symptoms noted.

Ingestion: No specific symptoms noted.

Other Health Effects: No other information noted.

Environmental hazards: Not regarded as dangerous for the environment.

Label elements:

The product does not need to be labeled in accordance with EC directives or respective national laws.

Other hazards: No data available.

SECTION 3: Composition/information on ingredients**Mixtures:**

General information: Mixture of Polyorganosiloxanes, fillers.

Classification:**SECTION 4: First aid measures**

General: Get medical attention if symptoms occur. Contaminated clothing to be placed in closed container until disposal or decontamination.

Description of first aid measures:

Inhalation: Not relevant.

Eye contact: In the event of contact with the eyes, rinse thoroughly with clean water. Continue to rinse for at least 15 minutes.

Skin contact: Remove contaminated clothing and shoes. Wash with soap and water.

Ingestion: Do not induce vomiting. Rinse mouth thoroughly.

Most important symptoms and effects, both acute and delayed: None known.

Indication of any immediate medical attention and special treatment needed:

Hazards: No specific recommendations.

Treatment: No specific recommendations.

SECTION 5: Firefighting measures

General fire hazards: No specific recommendations.

Extinguishing media:

Suitable extinguishing media: Extinguish with foam, carbon dioxide or dry powder.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture: None known.

Advice for firefighters:

Special fire fighting procedures: Water spray should be used to cool containers.

Special protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. See Section 8 of the MSDS for Personal Protective Equipment.

Environmental precautions: Collect spillage. Do not discharge into drains, water courses or onto the ground.

Methods and material for containment and cleaning up:	Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Container must be kept tightly closed. Absorb with sand or other inert absorbent. To clean the floor and all objects contaminated by this material, use an appropriate solvent.(cf. : § 9) Flush area with plenty of water. Incinerate in suitable combustion chamber.
Notification Procedures:	Caution: Contaminated surfaces may be slippery. For waste disposal, see section 13 of the MSDS.

SECTION 7: Handling and storage:

Precautions for safe handling:	No specific precautions.
Conditions for safe storage, including any incompatibilities:	No special storage precautions noted. Material is stable under normal conditions. Avoid contact with oxidizing agents. Suitable containers: polyethylene. Plastic lined steel drum.
Specific end use(s):	No data available.

SECTION 8: Exposure controls/personal protection

Control parameters:

Occupational exposure limits:

None of the components have assigned exposure limits.

Exposure controls:

Appropriate engineering controls:

No special precautions.

Individual protection measures, such as personal protective equipment:

General information: No specific precautions.

Eye/face protection: Safety Glasses

Skin protection:

Hand protection:

No protection is ordinarily required under normal conditions of use. Nitrile. Polyvinyl chloride (PVC).

Other:

No skin protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

Respiratory Protection: No specific precautions.

Hygiene measures: Provide eyewash station.

Environmental Controls: No data available.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties:

Appearance:

Physical State:

Form:

Color:

Odor:

Odor Threshold:

pH:

buiten reikwijdte verzoek

Freezing point:
 Boiling Point:
 Flash Point:
 Evaporation Rate:
 Flammability (solid, gas):
 Flammability Limit - Upper (%)-:
 Flammability Limit - Lower (%)-:
 Vapor pressure:
 Vapor density (air=1):
 Relative density:
 Solubility(ies):
 Solubility in Water:
 Solubility (other):

Partition coefficient (n-octanol/water):
 Autoignition Temperature:
 Decomposition Temperature:
 Viscosity:
 Explosive properties:
 Oxidizing properties:

buiten reikwijdte verzoek

SECTION 10: Stability and reactivity

Reactivity:	Not relevant.
Chemical stability:	Stable
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	No other information noted.
Incompatible materials:	Strong oxidizing agents.
Hazardous decomposition products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Amorphous silica.

SECTION 11: Toxicological information

Information on likely routes of exposure

Inhalation:	No effects expected (assessment based on ingredients).
Ingestion:	No effects expected (assessment based on ingredients).
Skin contact:	No effects expected (assessment based on ingredients).
Eye contact:	No effects expected (assessment based on ingredients).

Information on toxicological effects:

Acute Toxicity:

Oral:	
Product:	No effects expected (assessment based on ingredients).

Not classified for acute toxicity based on available data.

Dermal:**Product:**

No effects expected (assessment based on ingredients).
Not classified for acute toxicity based on available data.

Specified substance(s):**Inhalation:****Product:**

No effects expected (assessment based on ingredients).

Repeated dose toxicity:**Product:**

No effects expected (assessment based on ingredients).

Skin corrosion/irritation:**Product:**

No effects expected (assessment based on ingredients).

Serious eye damage/eye irritation:**Product:**

No effects expected (assessment based on ingredients).

Respiratory or skin sensitization:**Product:**

No effects expected (assessment based on ingredients).

Germ cell mutagenicity:**In vitro:****Product:**

No effects expected (assessment based on ingredients).

In vivo:**Product:**

No effects expected (assessment based on ingredients).

Carcinogenicity:**Product:**

No effects expected (assessment based on ingredients).

Reproductive toxicity:**Product:**

No effects expected (assessment based on ingredients).

Reproductive toxicityFertility):**Product:**

No effects expected (assessment based on ingredients).

Developmental**ToxicityTeratogenicity):****Product:**

No effects expected (assessment based on ingredients).
No effects expected (assessment based on ingredients).

Specific target organ toxicity - single exposure:**Product:**

No effects expected (assessment based on ingredients).

Specific target organ toxicity - repeated exposure:**Product:**

No effects expected (assessment based on ingredients).

Aspiration hazard:**Product:**

No effects expected (assessment based on ingredients).

Other adverse effects:

No effects expected (assessment based on ingredients).

SECTION 12: Ecological information

Toxicity:**Acute toxicity:**

Fish:
Product: No effects expected (assessment based on ingredients).

Aquatic invertebrates:
Product: No effects expected (assessment based on ingredients).

Chronic Toxicity:

Fish:
Product: No effects expected (assessment based on ingredients).

Aquatic invertebrates:
Product: No effects expected (assessment based on ingredients).

Toxicity to Aquatic Plants:
Product: No effects expected (assessment based on ingredients).

Persistence and degradability:

Biodegradation:
Product: The product is not biodegradable.

BOD/COD ratio:
Product: Not determined.

Bioaccumulative potential:
Product: The product is not bioaccumulating.

Mobility in soil: No data available.

Known or predicted distribution to environmental compartments:

Results of PBT and vPvB assessment: None Reported

Other adverse effects: None known.

SECTION 13: Disposal considerations

Waste treatment methods:

General information: The user's attention is drawn to the possible existence of local regulations regarding disposal.

Disposal methods: Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Incinerate.

Contaminated packages should be as empty as possible. Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Recycle following cleaning or dispose of at an authorised site.

European Waste Codes:

SECTION 14: Transport information

This material is not subject to transport regulations.

Environmental hazards: Not regulated.

Special precautions for user: No special precautions.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

SECTION 15: Regulatory information

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

National Regulations:

Chemical safety assessment: No data available.

SECTION 16: Other information

Revision Information: Not relevant.

Key literature references and sources for data: No data available.

Wording of the R-phrases and H-statements in section 2 and 3: None

Training information: No data available.

Inventory Status

Australia AICS:	On or in compliance with the inventory
Canada DSL Inventory List:	On or in compliance with the inventory
EU EINECS List:	On or in compliance with the inventory
Japan (ENCS) List:	On or in compliance with the inventory
China Inv. Existing Chemical Substances:	On or in compliance with the inventory
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory
Philippines PICCS:	On or in compliance with the inventory
US TSCA Inventory:	On or in compliance with the inventory
New Zealand Inventory of Chemicals:	On or in compliance with the inventory

Issue date: 19.09.2014

SDS No.:

Disclaimer: The information given is based on data available for the material, the components of the material, and similar materials. The information is believed to be correct. It is given in good faith. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

H5: Safety Data Sheet for silicium oxide

From: 5.1.2.e Woo
To: 5.1.2.e Woo
Cc: 5.1.2.e Woo
Subject: AW: Urgent MSDS Request
Date: 06 March 2015 12:44:33
Attachments: 5.1.1.c Woo

Dear 5.1.2.e Woo

Enclosed pls find requested MSDS.

Kind regards

5.1.2.e Woo

5.1.1.c Woo

Von: 5.1.2.e Woo | 5.1.2.e Woo [mailto:5.1.2.e Woo@SYNGENTA.COM]
Gesendet: Freitag, 6. März 2015 12:13
An: 5.1.2.e Woo
Betreff: Urgent MSDS Request

Good Morning,

For regulatory purposes, please could you send me an MSDS (EU REACH) for 5.1.1.c Woo in English.

Many thanks & best regards

5.1.2.e Woo

5.1.2.e Woo
Regulatory Specialist
European Product Registration

The Syngenta logo, featuring the word "syngenta" in a blue, lowercase, sans-serif font, with a small green leaf icon above the letter "y".

5.1.1.c Woo

Email: 5.1.2.e Woo@syngenta.com

5.1.2.e Woo
5.1.2.e Woo
Regulatory Specialist

5.1.1.c Woo

Version 1.2

Revision Date 06.01.2014

1. Identification of substance

Trade name: 5.1.1.c Woo
Substance name: Natural diatomatous earth
Substance No: 310-127-6

Use of the Substance: 5.1.1.c Woo

Importer: 5.1.1.c Woo

Manufacturer/Supplier: 5.1.1.c Woo

Emergency help desk: 5.1.1.c Woo

2. Hazards identification

Classification according to Regulation (EC) No 1272/2008: Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Further information: The product is regularly tested on crystalline silica in the form of Quartz and Cristobalite. The values are below 1%

3. Composition/Data on components

Characteristics: CAS Nr.: 61790-53-2 Natural diatomatous earth

Designation: No dangerous ingredients according to Regulation (EC) No. 1907/2006

4. First aid measures

After inhalation: Remove to fresh air. If symptoms persist, call a physician.
After skin contact: Wash off with soap and water.
After eye contact: Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.
After swallowing: Clean mouth with water and drink afterwards plenty of water. If symptoms persist, call a physician.

Version 1.2

Revision Date 06.01.2014

5. Fire fighting measures

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

6. Accidental release measures

Personal precautions: Wear personal protective equipment. Avoid dust formation. Avoid breathing dust. Avoid contact with skin and eyes.
Environmental precautions: Do not allow contact with soil, surface or ground water.
Methods for cleaning up: Pick up and transfer to properly labelled containers. Avoid dust formation.

7. Handling and storage

Handling: Avoid creating dust. Provide sufficient air exchange and/or exhaust in work rooms. In case of insufficient ventilation, wear suitable respiratory equipment. Handle with care. Smoking, eating and drinking should be prohibited in the application area. Avoid contact with skin and eyes and as well with clothing.
Storage: Keep containers tightly closed in a dry, cool and well-ventilated place.
Advice on common storage: Do not store with strong-smelling substances. The material can adsorb smelling substances due to its large surface.

8. Exposure controls and personal protection

Additional information about design of technical systems: Avoid formation of dust. Control the limiting values for respirable dust by closed processes, use of sufficient ventilation or further technical installations. The limiting values have to be controlled for working stations where free dust cannot be avoided. Use organizational measures, e.g. keep persons away from dusty working stations, change and clean clothing regularly. The limiting value for cristobalite has been withdrawn, it has to be assured that the exposition at the working stations is minimized and that protective equipment has to be used. Local exhaust ventilation strongly recommended.

Components with critical values that require monitoring at the workplace:

61790-53-2

Natural diatomaceous earth Kieselguhr
AGW: 4 mg/m³, 2006-01-01, DE TRGS 900

General protective measures: The usual precautionary measures should be adhered to in handling the chemicals. Do not eat, drink or smoke while working. Wash hands during breaks and at the end of the work. Use skin protection cream for preventive skin protection.

Respiratory protection: In case of inadequate ventilation wear respiratory protection. Half mask with a particle filter P2 (EN 143).

Hand protection: Thick fabric gloves. The product is a powdery solid. A substance transfer to the skin is not expected. Wear suitable gloves.

Eye Protection: Safety glasses with side-shields conforming to EN166

Skin and body protection: Wear suitable protective clothing.

Version 1.2

Revision Date 06.01.2014

Protective measures: The usual precautions are observed when handling chemicals. When using do not eat, drink or smoke. Wash thoroughly after handling.
General advice: Follow the skin protection plan.
Do not allow contact with soil, surface or ground water.

9. Physical and chemical properties

Form: buiten reikwijdte van
Colour: buiten reikwijdte van
Odour: buiten reikwijdte van

10. Stability and reactivity

Chemical stability: No decomposition if stored and applied as directed.
Materials to avoid: No dangerous reaction known under conditions of normal use.
Hazardous decomposition products: No decomposition if used as directed.

11. Toxicological information

Skin irritation: Prolonged skin contact may defat the skin and produce dermatitis.
Eye irritation: Dust contact with the eyes can lead to mechanical irritation.

12. Ecological information

Persistence and degradability: Not biodegradable.
Bioaccumulation: Does not bioaccumulate.
PBT and vPvB assessment: This substance is not considered to be very persistent nor very bioaccumulating (vPvB).
Additional information: not water endangering.

13. Disposal considerations

Product: Dispose of in accordance with the European Directives on waste and hazardous waste. In accordance with local and national regulations.
Contaminated packaging: Dispose of in accordance with local regulations. Dispose of as unused product.

14. Transport information

Transport: Not classified as dangerous goods.

Version 1.2

Revision Date 06.01.2014

15. Regulatory information

International regulations: The product does not need to be labelled in accordance with EC directives or respective national laws.
Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. Other information

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.

This safety datasheet only contains information relating to safety and does not replace any product information or product specification.