

TALIUS®

Ref. 130000032213
Version 2.1 (replaces: Version 2.0)

Revision Date 08.08.2019
Issue Date 09.08.2019

This safety data sheet is based on the structure provided by the standards of the United Nations Globally Harmonized System of Classification and Labelling of Chemicals (UN GHS), and includes the classification and identification information under internationally recognized rules. Available exposure limits may not meet regulatory standards for all countries.

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product name : TALIUS®
Synonyms : C11367639

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

Use of the Substance/Mixture : Fungicide

1.3. Details of the supplier of the safety data sheet

Company : DuPont International Operations S.a.r.l.
2, chemin du Pavillon
CH-1218 Le Grand-Saconnex / GE
Switzerland

Telephone : +41 (0) 22 717 51 11
Telefax : +41 (0) 22 717 51 09
E-mail address : SDS@Corteva.com

1.4. Emergency telephone number

Emergency telephone number : +(44)-870-8200418 (CHEMTREC)
: Poison Centres may only possess information required for products in accordance with Regulation (EC) No 1272/2008 and national legislation.

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EU) 1272/2008 (CLP)**

Skin irritation, Category 2	H315: Causes skin irritation.
Serious eye damage, Category 1	H318: Causes serious eye damage.
Carcinogenicity, Category 2	H351: Suspected of causing cancer.
Long-term (chronic) aquatic hazard, Category 2	H411: Toxic to aquatic life with long lasting effects.

2.2. Label elements**Labelling according to Regulation (EU) 1272/2008 (CLP)**

Danger

H315 Causes skin irritation.
H318 Causes serious eye damage.

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H351	Suspected of causing cancer.
H411	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.
	The following percentage of the mixture consists of ingredient(s) with unknown acute inhalation toxicity: 77,1924 %
	The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 1,3845 %
P201	Obtain special instructions before use.
P264	Wash skin thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P305 + P351 + P338 + P310	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
P391	Collect spillage.
P501	Dispose of contents/container to an approved facility in accordance with local, regional, national and international regulations.

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

SP 1	Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).
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2.3. Other hazards

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**3.1. Substances**

Not applicable

3.2. Mixtures

Classification according to Directive 67/548/EEC	Classification according to Regulation (EU) 1272/2008 (CLP)	Concentration
Proquinazid (CAS-No.189278-12-4)		
Carc.Cat.3;R40 N;R50 R53	Carc. 2; H351 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	20,5 %
Fatty acids, C6-12, methyl esters (CAS-No.67762-39-4) (EC-No.267-017-5)		
R10	Flam. Liq. 3; H226	>= 65 - < 70 %

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Calcium dodecylbenzenesulfonate (CAS-No.26264-06-2) (EC-No.247-557-8)

Xi;R38 R41 Xn;R22	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318	>= 1 - < 5 %
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2-Ethylhexan-1-ol (CAS-No.104-76-7) (EC-No.203-234-3)

Xn;R20 Xi;R36/37/38	Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335	>= 1 - < 5 %
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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.
- Inhalation : Move to fresh air. Consult a physician after significant exposure. Artificial respiration and/or oxygen may be necessary.
- Skin contact : Take off contaminated clothing and shoes 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, Dry chemical, Foam, Carbon dioxide (CO₂)
- Extinguishing media which shall not be used for safety reasons : High volume water jet, (contamination risk)

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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 (NO_x)

5.3. Advice for firefighters

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

Further information : 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.

: (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.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions : Control access to area. Keep people away from and upwind of spill/leak. Ventilate spill area. Take precautionary measures against static discharges. Avoid contact with skin, eyes and clothing. 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 spill area is porous, the contaminated material must be collected for subsequent treatment or disposal. 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 Soak up with inert absorbent material. Sweep up or vacuum up spillage and collect in suitable container for disposal. Clean-up methods - large spillage Prevent further leakage or spillage. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Large spills should be collected mechanically (remove by pumping) for disposal. Collect leaking liquid in sealable (metal/plastic) containers. Collect and contain contaminated absorbent and dike material for disposal.

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

6.4. Reference to other sections

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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. Wear personal protective equipment. For personal protection see section 8. Use only clean equipment. Provide adequate ventilation. Do not breathe vapours or spray mist. When opening containers, avoid breathing vapours that may be emanating. Prepare the working solution as given on the label(s) and/or the user instructions. Use prepared working solution as soon as possible - Do not store. To avoid spills during handling keep bottle on a metal tray. Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use. Never return unused material to storage receptacle. Avoid exceeding the given occupational exposure limits (see section 8).

Advice on protection against fire and explosion : Keep away from heat and sources of ignition. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded.

7.2. Conditions for safe storage, including any incompatibilities

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

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. For further information on any control parameters provided, please refer to the relevant regulation.

Components with workplace control parameters

Type Form of exposure	Control parameters (Expressed as)	Update	Regulatory basis
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2-Ethylhexan-1-ol (CAS-No. 104-76-7)

Limit Value - eight hours	5,4 mg/m ³ 1 ppm	2017-02-01	Commission Directive (EU) 2017/164 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU
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8.2. Exposure controls

Engineering measures : Ensure adequate ventilation, especially in confined areas.

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- Eye protection : Safety glasses with side-shields conforming to EN166
- Hand protection : Material: Nitrile rubber
 Glove thickness: 0,4 - 0,7 mm
 Glove length: Gauntlets
 Protection index: Class 6
 Wearing time: > 480 min
 The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it. 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 suitability for a specific workplace should be discussed with the producers of the protective gloves. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Before removing gloves clean them with soap and water.
- Skin and body protection : Manufacturing and processing work: Full protective clothing Type 6 (EN 13034)
 Mixer and loaders must wear: Full protective clothing Type 6 (EN 13034)
 Rubber apron Nitrile rubber boots (EN 13832-3 / EN ISO 20345).
 Spray application - outdoor: Full protective clothing Type 4 (EN 14605) Nitrile rubber boots (EN 13832-3 / EN ISO 20345).
 Spray application - indoor: Full protective clothing Type 4 (EN 14605) Nitrile rubber boots (EN 13832-3 / EN ISO 20345).
 Mechanical automatized spray application in closed tunnel: No personal body protection normally required during the application. However, gloves and a long sleeved shirt shall be worn when handling the treated plants after the application.
 When exceptional circumstances require an access to the treated area before the end of re-entry periods, wear full protective clothing Type 6 (EN 13034), nitrile rubber gloves class 3 (EN 374) and nitrile rubber boots (EN 13832-3 / EN ISO 20345).
- To optimize the ergonomics it may be recommended to use cotton underwear when wearing some fabrics. Take advice from supplier.
 Garment materials that are resistant to both water vapour and air will maximise wearing comfort. Materials should be robust to maintain the integrity and barrier in use.
 The permeation resistance of the fabric must be verified independently of the « type » protection recommended, to ensure an appropriate performance level of the material adequate to the corresponding agent and type of exposure.
- 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.
- 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. Remove clothing/PPE immediately if material gets inside. For environmental protection remove and wash all contaminated protective equipment before re-use. Dispose of rinse water in accordance with local and national regulations.

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Respiratory protection : Manufacturing and processing work: Half mask with vapour filter A1 (EN 141)
Mixer and loaders must wear: Half mask with vapour filter A1 (EN 141)
Spray application - outdoor: Half mask with a particle filter P1 (EN 143).
Mechanical automatized spray application in closed tunnel: No personal respiratory protective equipment normally required.
Where there is potential for airborne exposures in excess of applicable limits, wear approved respiratory protection with dust/mist cartridge.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Form : liquid

Colour : brown

Odour : sweet, ester-like

Odour Threshold : not determined

pH : 6,2 at 10 g/l (20 °C)

Melting point/freezing point : no data available

Boiling point/boiling range : Not available for this mixture.

Flash point : 74 °C

Self-Accelerating decomposition temperature (SADT) : no data available

Flammability (solid, gas) : not auto-flammable

Ignition temperature : no data available

Thermal decomposition : Not available for this mixture.

Oxidizing properties : The product is not oxidizing.

Explosive properties : Not explosive

Lower explosion limit/ Lower flammability limit : Not available for this mixture.

Upper explosion limit/ upper flammability limit : Not available for this mixture.

Vapour pressure : Not available for this mixture.

Density : no data available

Relative density : 0,9758

Bulk density : no data available

Water solubility : emulsifiable

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Partition coefficient: n-octanol/water : no data available
Auto-ignition temperature : 285 °C
Solubility in other solvents : no data available
Viscosity, dynamic : no data available
Viscosity, kinematic : 3,79 mm²/s at 20 °C
Relative vapour density : no data available
Evaporation rate : Not available for this mixture.

9.2. 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. Protect from frost.
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 : > 2 000 mg/kg
Method: Fixed Dose Method
(Data on the product itself) Information source: Internal study report

- 2-Ethylhexan-1-ol
LD50 / Rat : 2 047 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity

Acute toxicity estimate : > 20 mg/l
Method: Calculation method

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Acute toxicity estimate : > 20 mg/l
Method: Calculation method

Acute dermal toxicity

LD50 / Rat : > 5 000 mg/kg
Method: OECD Test Guideline 402
(Data on the product itself) Information source: Internal study report

- 2-Ethylhexan-1-ol
LD50 / Rat : > 3 000 mg/kg
Method: OECD Test Guideline 402

Skin irritation

Rabbit
Result: Irritating to skin.
Method: OECD Test Guideline 404
(Data on the product itself) Information source: Internal study report

- 2-Ethylhexan-1-ol
Rabbit
Classification: Irritating to skin.
Result: Severe skin irritation
Method: OECD Test Guideline 404

Eye irritation

Rabbit
Result: Irreversible effects on the eye
Method: OECD Test Guideline 405
(Data on the product itself) Information source: Internal study report

- 2-Ethylhexan-1-ol
Rabbit
Classification: Irritating to eyes.
Result: Irritation to eyes, reversing within 21 days
Method: OECD Test Guideline 405

Respiratory or skin sensitisation

Guinea pig Maximisation Test
Result: Animal test did not cause sensitization by skin contact.
Method: US EPA Test Guideline OPPTS 870.2600
(Data on the product itself) Information source: Internal study report

Repeated dose toxicity

- Proquinazid
Oral - feed Rat
NOAEL: 30 mg/kg
Method: OECD Test Guideline 408
Information source: Internal study report

Oral - feed Rat

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NOAEL: 100 mg/kg
Method: OECD Test Guideline 408
Information source: Internal study report

Oral - feed Rat
Reduced body weight gain, Liver effects, Kidney effects, Thyroid effects, Abnormal serum enzyme levels, Organ weight changes, altered hematology, Information source: Data provided by an external source.

- 2-Ethylhexan-1-ol
Ingestion Rat
Exposure time: 90 d
NOAEL: 250 mg/kg
LOAEL: 500 mg/kg
Method: OECD Test Guideline 408
No toxicological effects warranting significant target organ toxicity classification were seen below the recommended guidance values for classification.

Mutagenicity assessment

- Proquinazid
Did not show mutagenic effects in animal experiments. Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Carcinogenicity assessment

- Proquinazid
Carcinogenic Category 2 Limited evidence of a carcinogenic effect. Animal experiments showed a statistically significant number of tumours.

Toxicity to reproduction assessment

- Proquinazid
Animal testing did not show any effects on fertility.

Assessment teratogenicity

- Proquinazid
Did not show teratogenic effects in animal experiments.

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 mixture does not have properties associated with aspiration hazard potential.

SECTION 12: Ecological information**12.1. Toxicity**

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Toxicity to fish

LC50 / 96 h / *Oncorhynchus mykiss* (rainbow trout): 2,3 mg/l
Method: OECD Test Guideline 203
(Data on the product itself) Information source: Internal study report

- 2-Ethylhexan-1-ol
LC50 / 96 h / *Leuciscus idus* (Golden orfe): 17,1 mg/l
Method: Directive 67/548/EEC, Annex V, C.1.

Toxicity to aquatic plants

EbC50 / 72 h / *Pseudokirchneriella subcapitata* (microalgae): 1,4 mg/l
Method: OECD Test Guideline 201
(Data on the product itself) Information source: Internal study report

- 2-Ethylhexan-1-ol
ErC50 / 72 h / *Desmodesmus subspicatus* (green algae): 16,6 mg/l
Method: Directive 67/548/EEC, Annex V, C.3.

Toxicity to aquatic invertebrates

static test / EC50 / 48 h / *Daphnia* (water flea): 1,8 mg/l
Method: OECD Test Guideline 202
(Data on the product itself) Information source: Internal study report

- 2-Ethylhexan-1-ol
EC50 / 48 h / *Daphnia magna* (Water flea): 39 mg/l
Method: Directive 67/548/EEC, Annex V, C.2.

Toxicity to other organisms

LD50 / 48 h / *Apis mellifera* (bees): > 99.75 µg/b
Method: OECD Test Guideline 213
Oral (Data on the product itself) Information source: Internal study report

LD50 / 48 h / *Apis mellifera* (bees): > 100 µg/b
Method: OECD Test Guideline 214
Contact (Data on the product itself) Information source: Internal study report

Chronic toxicity to fish

- Proquinazid
Early Life-Stage / NOEC / *Oncorhynchus mykiss* (rainbow trout): 0,0030 mg/l
Method: OECD Test Guideline 210
Information source: Internal study report

Chronic toxicity to aquatic Invertebrates

- Proquinazid
NOEC / *Daphnia magna* (Water flea): 0,0018 mg/l
Method: OECD Test Guideline 202
Information source: Internal study report

12.2. Persistence and degradability

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Biodegradability

Not readily biodegradable. Estimation based on data obtained on active ingredient.

- 2-Ethylhexan-1-ol
Method: OECD Test Guideline 301C
Biodegradable

12.3. Bioaccumulative potential**Bioaccumulation**

Does not bioaccumulate. Estimation based on data obtained on active ingredient.

- 2-Ethylhexan-1-ol
Bioaccumulation is unlikely.

12.4. Mobility in soil**Mobility in soil**

The product is not expected to be mobile in soils.

12.5. Results of PBT and vPvB assessment**PBT and vPvB assessment**

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**Additional ecological information**

No other ecological effects to be specially mentioned.

See product label for additional application instructions relating to environmental precautions.

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.

SECTION 14: Transport information**ADR**

14.1. UN number: 3082
14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Proquinazid)
14.3. Transport hazard class(es): 9
14.4. Packing group: III

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14.5. Environmental hazards: For further information see Section 12.

14.6. Special precautions for user:
Tunnel restriction code: (-)

IATA_C

14.1. UN number: 3082
14.2. UN proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (Proquinazid)
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: 3082
14.2. UN proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (Proquinazid)
14.3. Transport hazard class(es): 9
14.4. Packing group: III
14.5. Environmental hazards : Marine pollutant

14.6. Special precautions for user:
No special precautions required.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
Not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Major Accident Hazard Legislation**

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

ENVIRONMENTAL HAZARDS

Quantity: 200 t, 500 t

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 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.

Take note of Dir 92/85/EEC on the safety and health at work of pregnant workers.

This product is in full compliance according to REACH regulation 1907/2006/EC.

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SECTION 16: Other information**Text of R-phrases mentioned in Section 3**

R10	Flammable.
R20	Harmful by inhalation.
R22	Harmful if swallowed.
R36/37/38	Irritating to eyes, respiratory system and skin.
R38	Irritating to skin.
R40	Limited evidence of a carcinogenic effect.
R41	Risk of serious damage to eyes.
R50	Very toxic to aquatic organisms.
R53	May cause long-term adverse effects in the aquatic environment.

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

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
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
ISO	International Standard Organization
IMDG	International Maritime Dangerous Goods
LC50	Median Lethal Concentration
LD50	Median Lethal Dose
LOEC	Lowest Observed Effect Concentration
LOEL	Lowest observed effect level
MARPOL	International Convention for the Prevention of Marine Pollution from Ships
n.o.s.	Not Otherwise Specified

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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 (TWA):
vPvB	very Persistent and very Bioaccumulative

Further information

Before use read DuPont's safety information.
Take notice of the directions of use on the label.
(R) Registered trademark of E.I. du Pont de Nemours and Company

Note: The information on components provided in sections 11 and 12 of this safety data sheet may in some cases not align with a legally binding classification on the basis of technical progress and availability of new information.

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

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