



CURZATE M 44 WP

Version 4.0

(replaces: Version 3.0)

Revision Date 17.07.2015

Ref. 130000013447

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 : CURZATE M 44 WP

Synonyms : B10236514
DPX-KJ150 44WP

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-support@che.dupont.com

1.4. Emergency telephone number

Emergency telephone number : +(44)-870-8200418

Supplier : Du Pont de Nemours (France) S.A.S.
82, rue de Wittelsheim
F-68701 Cernay Cedex

Telephone : +33 (0) 3 89 38 38 38

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Sensitising R43: May cause sensitisation by skin contact.

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

Toxic to Reproduction Category 3 R63: Possible risk of harm to the unborn child.

2.2. Label elements

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

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Harmful



Dangerous for
the environment

- R43 May cause sensitisation by skin contact.
- R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R63 Possible risk of harm to the unborn child.

Special labelling of certain substances and mixtures To avoid risks to man and the environment, comply with the instructions for use.

- S35 This material and its container must be disposed of in a safe way.
- S36/37 Wear suitable protective clothing and gloves.
- S46 If swallowed, seek medical advice immediately and show this container or label.
- S57 Use appropriate container to avoid environmental contamination.
- 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).

2.3. Other hazards

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

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
Mancozeb (CAS-No.8018-01-7)		
Repr.Cat.3;R63 R43 N;R50	Skin Sens. 1; H317 Repr. 2; H361 STOT RE 2; H373 Aquatic Acute 1; H400	40,5 %



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	Aquatic Chronic 1; H410	
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Cymoxanil (CAS-No.57966-95-7)

Repr.Cat.3;R62 Repr.Cat.3;R63 Xn;R48/22 Repr.Cat.3;R62 R63 Xn;R22 R48/22 R43 N;R50 R53	Acute Tox. 4; H302 Skin Sens. 1; H317 Repr. 2; H361fd STOT RE 2; H373 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	4 %
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Sodium diisopropylnaphthalenesulphonate (CAS-No.1322-93-6)

Xn;R22 Xi;R36/37/38 Xn;R20	Acute Tox. 4; H302 Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335	$\geq 1 - < 5 \%$
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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. Oxygen or artificial respiration if needed. Consult a physician.
- 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 : Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.
- Ingestion : Obtain medical attention. Do not induce vomiting without medical advice. If victim is conscious: Rinse mouth with water. Drink 1 or 2 glasses of water.

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

- ||| Symptoms : Skin contact may provoke the following symptoms:, Erythema, Dermatitis, Sensitisation, Irritation
- || : Ingestion may provoke the following symptoms:, Nausea, Vomiting, Diarrhoea,



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- || Gastrointestinal discomfort
- || : Inhalation may provoke the following symptoms:, Asthmatic appearance, Irritation, sensitising effects
- || : Central nervous system depression, Headache, Lack of coordination, Disorientation, More severe effects if alcohol is consumed.

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

- || Treatment : In case of ingestion, the stomach should be emptied by gastric lavage under qualified medical supervision. 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)

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 : In the event of fire, wear 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 : Evacuate personnel to safe areas. Control access to area. Avoid dust formation. Avoid breathing dust. Avoid contact with skin and eyes. Use personal protective equipment. Refer to protective measures listed in sections 7 and 8.

6.2. Environmental precautions



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Environmental precautions : Prevent further leakage or spillage if safe to do so. Use appropriate container to avoid environmental contamination. 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 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, 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. Avoid contact with skin, eyes and clothing. Do not breathe dust or spray mist. Wear personal protective equipment. For personal protection see section 8. 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. 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 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. Keep containers tightly closed in a dry, cool and well-ventilated place. Store in a place accessible by authorized persons only. 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.

Storage temperature : < 49 °C

Other data : Stable under recommended storage conditions.



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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.

Contains no substances with occupational exposure limit values.

|| 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 of 35 cm long or longer.
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. 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. 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. The exact break through time can be obtained from the protective glove producer and this has to be observed. Gloves must be inspected prior to use. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Gauntlets of 35 cm long or longer shall be worn over 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)

Mixer and loaders must wear: Full protective clothing Type 5 + 6 (EN ISO 13982-2 / EN 13034) Rubber apron Nitrile rubber boots (EN 13832-3 / EN ISO 20345).

Tractor / sprayer with hood: No personal body protection normally required.
Spray application - outdoor: Low application: Full protective clothing Type 4 (EN 14605) Nitrile rubber boots (EN 13832-3 / EN ISO 20345).

Middle-height application: Full protective clothing Type 3 (EN 14605) Nitrile rubber boots (EN 13832-3 / EN ISO 20345).

Backpack / knapsack sprayer: Low application: Full protective clothing Type 3



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(EN 14605) Nitrile rubber boots (EN 13832-3 / EN ISO 20345).

Spray application - indoor: Motorized greenhouse sprayer: Low application:
Middle-height application: Full protective clothing Type 3 (EN 14605) 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.

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).

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. 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)

Mixer and loaders must wear: Half mask with a particle filter FFP1 (EN149)

Spray application - outdoor: Tractor / sprayer with hood: No personal respiratory
protective equipment normally required.

Tractor / sprayer without hood: Low application: Half mask with a particle filter
FFP1 (EN149) Middle-height application: Half mask with a particle filter FFP2
(EN149)

Backpack / knapsack sprayer: Low application: Half mask with a particle filter



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FFP1 (EN149) Middle-height application: Half mask with a particle filter FFP2 (EN149)

Mechanical automatized spray application in closed tunnel: No personal respiratory protective equipment normally required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	: solid
Colour	: blue
Odour	: none
Odour Threshold	: not determined
pH	: no data available
Melting point/range	: not determined
Boiling point/boiling range	: Not applicable
Flash point	: Not applicable
Flammability (solid, gas)	: The product is not flammable.
Thermal decomposition	: Not available for this mixture.
Auto-ignition temperature	: Test Type :Auto-ignition temperatureNot 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 determined
Relative density	: Not available for this mixture.
Water solubility	: dispersible
Partition coefficient: n-octanol/water	: Not available for this mixture.
Viscosity, dynamic	: Not available for this mixture.



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||Evaporation rate : Not available for this mixture.

9.2. Other information

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

SECTION 10: Stability and reactivity

- ||10.1. Reactivity : No dangerous reaction known under conditions of normal use.
- ||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 : Temperature : > 49 °C To avoid thermal decomposition, do not overheat. Under severe dusting conditions, this material may form explosive mixtures in air. Decomposes slowly on exposure to water.
- ||10.5. Incompatible materials : No materials to be especially mentioned.
- ||10.6. Hazardous decomposition products : Sulphur compounds
Sulphur oxides
Hydrogen cyanide (hydrocyanic acid)

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

|| LD50 / Rat : > 5 000 mg/kg
Method: OECD Test Guideline 425
(Data on the product itself) Information source: Internal study report

Acute inhalation toxicity

Acute toxicity estimate : > 5 mg/l

Method: Calculation method

Acute dermal toxicity

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

Skin irritation

|| Rabbit
Classification: No skin irritation
Method: OECD Test Guideline 404
(Data on the product itself) Information source: Internal study report

Eye irritation



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Rabbit

Classification: No eye irritation

Method: OECD Test Guideline 405

(Data on the product itself) Information source: Internal study report

Sensitisation

Guinea pig Maximisation Test (GPMT)

Classification: May cause sensitisation by skin contact.

Method: OECD Test Guideline 406

(Data on the product itself) Information source: Internal study report

Repeated dose toxicity

- Mancozeb

The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions.

Inhalation Rat

Thyroid effects

Oral - feed Rat

Thyroid effects

Oral - feed Dog

Thyroid effects

- Cymoxanil

Oral multiple species

The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions., altered blood chemistry

Oral - feed Dog

Exposure time: 90 d

Thymus effects

Mutagenicity assessment

- Mancozeb

Animal testing did not show any mutagenic effects. Did not cause genetic damage in cultured bacterial cells. Evidence suggests this substance does not cause genetic damage in cultured mammalian cells. Evidence suggests this substance does not cause genetic damage in animals.

- Cymoxanil

Animal testing did not show any mutagenic effects. Evidence suggests this substance does not cause genetic damage in cultured bacterial cells. Tests on mammalian cell cultures showed mutagenic effects.

Carcinogenicity assessment

- Mancozeb

The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions. An increased incidence of tumours was observed in laboratory animals. Possible human carcinogen



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- Cymoxanil
Not classifiable as a human carcinogen. Did not show carcinogenic effects in animal experiments.

Toxicity to reproduction assessment

- Mancozeb
Suspected human reproductive toxicant
- Cymoxanil
Suspected human reproductive toxicant Some evidence of adverse effects on sexual function and fertility, based on animal experiments.

Assessment teratogenicity

- Mancozeb
The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions. Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.
- Cymoxanil
Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.

SECTION 12: Ecological information

12.1. Toxicity

Toxicity to fish

LC50 / 96 h / *Oncorhynchus mykiss* (rainbow trout): 1,21 mg/l

Method: OECD Test Guideline 203

Information given is based on data obtained from similar product. Information source: Internal study report

Toxicity to aquatic plants

ErC50 / 72 h / *Pseudokirchneriella subcapitata* (green algae): 0,237 mg/l

(Data on the product itself) Information source: Internal study report

Toxicity to aquatic invertebrates

EC50 / 48 h / *Daphnia magna* (Water flea): 34,8 mg/l

Method: OECD Test Guideline 202

(Data on the product itself) 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 given is based on data obtained from similar product. Information source: Internal study report

Toxicity to other organisms



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|| LD50 / 2 d / Apis mellifera (bees): 0,227 mg/kg
Method: OECD Test Guideline 213
Contact (Data on the product itself) Information source: Internal study report

LD50 / 2 d / Apis mellifera (bees): 0,142 mg/kg
Method: OECD Test Guideline 213
Oral (Data on the product itself) Information source: Internal study report

Chronic toxicity to fish

|| NOEC / 4 d / Oncorhynchus mykiss (rainbow trout): 0,63 mg/l
(Data on the product itself) Information source: Internal study report

Chronic toxicity to aquatic Invertebrates

- Mancozeb
NOEC / 21 d / Daphnia magna (Water flea): 0,0073 mg/l
- Cymoxanil
NOEC / 21 d / Daphnia magna (Water flea): 0,067 mg/l

12.2. Persistence and degradability

Biodegradability

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

12.3. Bioaccumulative potential

Bioaccumulation

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

12.4. Mobility in soil

Mobility in soil

|| Under actual use conditions the product has a low potential of mobility in soil.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment

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

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.



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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. (Mancozeb, Cymoxanil)
- 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: Tunnel restriction code: (E)

IATA_C

- 14.1. UN number: 3077
- 14.2. UN proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Mancozeb, Cymoxanil)
- 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:

II 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. (Mancozeb, Cymoxanil)
- 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 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



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Other regulations : The mixture is classified as dangerous in accordance with Directive 1999/45/EC. 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.

SECTION 16: Other information

Text of R-phrases mentioned in Section 3

R20	Harmful by inhalation.
R22	Harmful if swallowed.
R36/37/38	Irritating to eyes, respiratory system and skin.
R43	May cause sensitisation by skin contact.
R48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R50	Very toxic to aquatic organisms.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R53	May cause long-term adverse effects in the aquatic environment.
R62	Possible risk of impaired fertility.
R63	Possible risk of harm to the unborn child.

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

H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H361	Suspected of damaging fertility or the unborn child.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
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 observed 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 (TWA):
vPvB	very Persistent and very Bioaccumulative

Further information

Take notice of the directions of use on the label., Before use read DuPont's safety information.

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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.