



## Provalia® LQM

Version 2.0

Revision Date 01.11.2016

Ref. 130000107576

This Safety Data Sheet adheres to the standards and regulatory requirements of Great Britain and may not meet the regulatory requirements in other countries.

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

#### 1.1. Product identifier

Product name : Provalia® LQM

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

Use of the Substance/Mixture : Herbicide

#### 1.3. Details of the supplier of the safety data sheet

Company : Du Pont (UK) Limited  
4th Floor, Kings Court, London Road  
Stevenage, Herts.  
SG1 2NG  
United Kingdom

Telephone : +44 (0) 1438 734 000

E-mail address : sds-support@che.dupont.com

#### 1.4. 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

Skin sensitisation, Sub-  
category 1B H317: May cause an allergic skin reaction.

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

#### 2.2. Label elements

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### Warning

H317  
H410

May cause an allergic skin reaction.  
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.,

The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 20 %

P272  
P280  
P302 + P352  
P333 + P313  
P363  
P391  
P501

Contaminated work clothing should not be allowed out of the workplace.  
Wear protective gloves/ protective clothing/ eye protection/ face protection.  
IF ON SKIN: Wash with plenty of soap and water.  
If skin irritation or rash occurs: Get medical advice/ attention.  
Wash contaminated clothing before reuse.  
Collect spillage.  
Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

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

Registration number	Classification according to Regulation (EU) 1272/2008 (CLP)	Concentration (% w/w)
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**Thifensulfuron methyl (CAS-No.79277-27-3)**

	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	3 %
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**Metsulfuron methyl (CAS-No.74223-64-6)**

**(M-Factor : 1,000[Acute] 1,000[Chronic])**

	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	0.5 %
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**Fluroxypyr-meptyl (CAS-No.81406-37-3) (EC-No.279-752-9)**

**(M-Factor : 1[Acute] 1[Chronic])**

	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	20 %
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The above products are compliant to REACH registration obligations; 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 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. Artificial respiration and/or oxygen may be necessary. Consult a physician after significant exposure.
- 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**



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Treatment : Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

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

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 : The flammability and explosive properties have not been investigated, handle this material with particular care.  
: Hazardous decomposition products formed under fire conditions. Carbon dioxide (CO<sub>2</sub>) Nitrogen oxides (NO<sub>x</sub>)

#### 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



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

### 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 vapours or spray mist. Wear personal protective equipment. For personal protection see section 8. Provide adequate ventilation. 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 measures to prevent the build up of electrostatic charge.

### 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.



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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. Use sufficient ventilation to keep employee exposure below recommended limits.

Eye protection : Wear safety glasses with side shields. Additionally wear a face shield where the possibility exists for face contact due to splashing, spraying or airborne contact with this material.

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. 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. Gauntlets shorter than 35 cm long shall be worn under the combination sleeve. Gloves must be inspected prior to use. 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 : Where there is potential for skin contact have available and wear as appropriate impervious gloves, apron, pants, and jacket.

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).

Spray application - outdoor: Tractor / sprayer with hood: No personal body



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protection normally required.

Tractor / sprayer without hood: Nitrile rubber boots (EN 13832-3 / EN ISO 20345). Full protective clothing Type 6 (EN 13034)

Backpack / knapsack sprayer: Nitrile rubber boots (EN 13832-3 / EN ISO 20345). Full protective clothing Type 6 (EN 13034)

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. When using do not eat, drink or smoke. Keep away from food, drink and animal feedingstuffs. 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.
- 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: Tractor / sprayer with hood: No personal respiratory protective equipment normally required.
- Tractor / sprayer without hood: Half mask with a particle filter FFP1 (EN149)
- Backpack / knapsack sprayer: Half mask with a particle filter P1 (EN 143).



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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	: liquid, suspension
Colour	: white, light yellow
Odour	: no data available
Odour Threshold	: no data available
pH	: no data available
Flash point	: > 93.3 °C
Thermal decomposition	: no data available
Auto-ignition temperature	: no data available
Explosive properties	: Not explosive Method: Regulation (EC) No. 440/2008, Annex, A.14
Lower explosion limit/ lower flammability limit	: not determined
Upper explosion limit/ upper flammability limit	: not determined
Vapour pressure	: no data available
Density	: no data available
Relative density	: no data available
Water solubility	: dispersible
Partition coefficient: n-octanol/water	: Not available for this mixture.
Viscosity, kinematic	: not determined
Evaporation rate	: not determined

#### 9.2. Other information

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





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: 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** : The hazardous reactivity of this material is unknown. Do not mix with other materials unless specifically instructed to do so under the guidance of a trained chemist.
- 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 > : 5,000 mg/kg

Method: OECD Test Guideline 425

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

##### Acute inhalation toxicity

LC50 / 4 h Rat : > 5.1 mg/l

Method: OECD Test Guideline 403

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

##### Acute dermal toxicity

LD50 / Rat > : 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

#### Mouse

Classification: The product is a skin sensitiser, sub-category 1B.

Result: Causes skin sensitization.

Method: OECD Test Guideline 429

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

### Repeated dose toxicity

- Thifensulfuron methyl

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

Oral - feed multiple species

Reduced body weight gain

Oral - feed Rat

Increase in blood urea nitrogen, altered hematology

- Metsulfuron methyl

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

Oral Rat

Exposure time: 90 d

Reduced body weight gain, Liver effects

Oral Mouse

Exposure time: 90 d

NOAEL: > 5,000 mg/kg

Dermal Rabbit

Exposure time: 21 d

Drying of skin, Cracking of skin, Skin irritation

Dermal Rabbit

Exposure time: 21 d

NOAEL: 125 mg/kg

Drying of skin, Cracking of skin, Skin irritation

Oral Rat

Reduced body weight gain, Organ weight changes, Liver

Dermal Rabbit

Skin irritation



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### Mutagenicity assessment

- Thifensulfuron methyl  
Tests on bacterial or mammalian cell cultures did not show mutagenic effects. Animal testing did not show any mutagenic effects.
- Metsulfuron methyl  
Animal testing did not show any mutagenic effects. Did not cause genetic damage in cultured bacterial cells. Genetic damage in cultured mammalian cells was observed in some laboratory tests but not in others.
- Fluroxypyr-meptyl  
Animal testing did not show any mutagenic effects. Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

### Carcinogenicity assessment

- Thifensulfuron methyl  
Animal testing did not show any carcinogenic effects.
- Metsulfuron methyl  
Not classifiable as a human carcinogen. Did not show carcinogenic effects in animal experiments.
- Fluroxypyr-meptyl  
Not classifiable as a human carcinogen. Information given is based on data obtained from similar substances.

### Toxicity to reproduction assessment

- Thifensulfuron methyl  
No toxicity to reproduction Animal testing showed no reproductive toxicity.
- Metsulfuron methyl  
No toxicity to reproduction Animal testing did not show any effects on fertility.
- Fluroxypyr-meptyl  
No toxicity to reproduction

### Assessment teratogenicity

- Thifensulfuron methyl  
Did not show teratogenic effects in animal experiments. Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.
- Metsulfuron methyl  
Animal testing showed no developmental toxicity.
- Fluroxypyr-meptyl  
Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.



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### 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

#### Toxicity to fish

LC50 / 96 h / *Oncorhynchus mykiss* (rainbow trout): > 17.5 mg/l

Method: OECD Test Guideline 203

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

#### Toxicity to aquatic plants

ErC50 / 72 h / *Pseudokirchneriella subcapitata* (green algae): 1.9 mg/l

Method: OECD Test Guideline 201

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

ErC50 / 7 Days / *Lemna gibba* (duckweed): 0.0369 mg/l

Method: OECD Test Guideline 201

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

#### Toxicity to aquatic invertebrates

EC50 / 48 h / *Daphnia magna* (Water flea): 7.8 mg/l

Method: OECD Test Guideline 202

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

#### Toxicity to other organisms

- Fluroxypyr-meptyl

LC50 / *Colinus virginianus* (Bobwhite quail): > 2,000 mg/kg

Dietary

LD50 / *Apis mellifera* (bees): > 100 ug/bee

Oral

LD50 / *Apis mellifera* (bees): > 100 ug/bee

Contact

#### Chronic toxicity to fish



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- Thifensulfuron methyl  
NOEC / 21 d / Oncorhynchus mykiss (rainbow trout): > 250 mg/l  
Information source: Internal study report
- Metsulfuron methyl  
NOEC / 21 d / Oncorhynchus mykiss (rainbow trout): 68 mg/l  
Method: OECD Test Guideline 204  
Information source: Internal study report
- Fluroxypyr-meptyl  
NOEC / Oncorhynchus mykiss (rainbow trout): 0.32 mg/l

### Chronic toxicity to aquatic Invertebrates

- Thifensulfuron methyl  
EC50 / 21 d / Daphnia magna (Water flea): > 340 mg/l  
Information source: Internal study report
- Metsulfuron methyl  
NOEC / 21 d / Daphnia magna (Water flea): 100 mg/l  
Method: OECD Test Guideline 202  
Information source: Internal study report

## 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

The product is not expected to be mobile in soils.

## 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



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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: 3082
- 14.2. UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Fluroxypyr meptyl, Thifensulfuron-methyl, Metsulfuron methyl)
- 14.3. Transport hazard class(es): 9
- 14.4. Packing group: III
- 14.5. Environmental hazards: Environmentally hazardous
- 14.6. Special precautions for user:
- Tunnel restriction code: (E)

#### IATA\_C

- 14.1. UN number: 3082
- 14.2. UN proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (Fluroxypyr meptyl, Thifensulfuron-methyl, Metsulfuron methyl)
- 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. (Fluroxypyr meptyl, Thifensulfuron-methyl, Metsulfuron methyl)
- 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.



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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

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.

#### 15.2. Chemical safety assessment

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

### SECTION 16: Other information

#### 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.

#### 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**

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