

# Material Safety Data Sheet

according to Regulation (EC) No. 1907/2006

## NovaTec® One ( 24.9% DMPP )



Version: 1.10

Date of last issue: 10.01.2023

Date of first issue: 17.04.2018

Revision Date:

07.04.2023

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

#### 1.1 Product identifier

Trade name : NovaTec® One ( 24.9% DMPP )

UFI : A2DM-N01N-400Y-W71A

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

Use of the : Fertilizer  
Substance/Mixture

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

Company : COMPO EXPERT GmbH  
Krögerweg 10  
D-48155 Münster

Telephone : +49 (0) 251 29 79 81 – 000

Telefax : +49 (0) 251 29 79 81 - 111

E-mail address of person : info@compo-expert.com  
responsible for the SDS

#### 1.4 Emergency telephone number

GBK GmbH - Global Regulatory Compliance - 24h  
Telephone: +49 (0) 6132 - 84463

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Serious eye damage, Category 1 H318: Causes serious eye damage.

Carcinogenicity, Category 2 H351: Suspected of causing cancer.

Reproductive toxicity, Category 2 H361fd: Suspected of damaging fertility. Suspected of damaging the unborn child.

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### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

Hazard statements : H318 Causes serious eye damage.  
H351 Suspected of causing cancer.  
H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.

Precautionary statements : P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
**Prevention:**  
P201 Obtain special instructions before use.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
**Response:**  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
**Storage:**  
P405 Store locked up.

### 2.3 Other hazards

None known.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : inhibitors  
Chemical reaction medium  
1H-Pyrazole, 3,4-dimethyl-,phosphate (1:1)

#### Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)

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ammonium nitrate	6484-52-2 229-347-8 01-2119490981-27-XXXX	Ox. Sol. 3; H272 Eye Irrit. 2; H319	>= 1 - <= 10
1H-Pyrazole, 3,4-dimethyl-, phosphate (1:1)	202842-98-6 424-640-9 01-0000017109-71-0002	Acute Tox. 4; H302 Eye Irrit. 2; H319 Repr. 2; H361fd STOT RE 2; H373	>= 4 - <= 12
3,4-dimethyl-1H-pyrazole	2820-37-3 429-130-1 01-0000017543-71-0000	Acute Tox. 4; H302 + H312 + H332 Eye Dam. 1; H318 Carc. 2; H351 STOT RE 2; H373 Aquatic Chronic 3; H412	>= 4 - <= 12

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- General advice : Take off immediately all contaminated clothing.  
Wash contaminated clothing before re-use.
- If inhaled : Move to fresh air.  
Consult a physician for severe cases.
- In case of skin contact : Wash off with soap and water.  
If symptoms persist, call a physician.
- In case of eye contact : Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.
- If swallowed : Drink plenty of water.  
Obtain medical attention.

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### 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

Treatment : Treat symptomatically.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : The product is not flammable.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### 5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : No information available.

### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

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

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.  
Keep people away from and upwind of spill/leak.  
In case of involuntary exposition of the product contact producer or supplier.

### 6.2 Environmental precautions

Environmental precautions : Do not let product enter drains.  
Do not allow uncontrolled discharge of product into the environment.  
Do not contaminate water.

### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material and dispose of as

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hazardous waste.  
Use neutralizing agents.  
Clean thoroughly.  
Flush with water.

### 6.4 Reference to other sections

For personal protection see section 8.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- Advice on safe handling : Handle and open container with care.
- Advice on protection against fire and explosion : No special precautions required.
- Hygiene measures : Keep away from food, drink and animal feedingstuffs. Wash hands before breaks and at the end of workday.

### 7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : Keep container tightly closed. Keep away from heat. Keep away from direct sunlight.
- Further information on storage conditions : Requirements for storage areas and containers No special precautions required.
- Advice on common storage : not required
- Storage class (TRGS 510) : 12, Non Combustible Liquids

### 7.3 Specific end use(s)

- Specific use(s) : Always read the label and product information before use.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

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

Substance name	End Use	Exposure routes	Potential health effects	Value
ammonium nitrate	Workers	Inhalation	Long-term systemic effects	36 mg/m3
	Workers	Skin contact	Long-term systemic effects	5,12 mg/kg bw/day

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	Consumers	Ingestion	Long-term systemic effects	2,56 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	8,9 mg/m3
	Consumers	Skin contact, Ingestion	Long-term systemic effects	2,56 mg/kg bw/day
3,4-dimethyl-1H-pyrazole	Workers	Inhalation	Long-term exposure, Systemic effects	0,99 mg/m3
	Workers	Skin contact	Long-term exposure, systemic effects	0,424 mg/kg
	Consumers	Inhalation	Long-term exposure, Systemic effects	0,174 mg/m3
	Consumers	Skin contact	Long-term exposure, Systemic effects	0,152 mg/kg
	Consumers	Ingestion	Long-term exposure, Systemic effects	0,05 mg/kg

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

Substance name	Environmental Compartment	Value
ammonium nitrate	Sewage treatment plant	18 mg/l

## 8.2 Exposure controls

### Personal protective equipment

Eye protection : Tightly fitting safety goggles

Hand protection

Remarks : Protective gloves complying with EN 374. The selection of suitable depends upon the material, and also upon the quality of the gloves. The degree of protection will vary from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. The exact break through time can be obtained from the protective

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glove producer and this has to be observed.

Skin and body protection : Protective suit

Respiratory protection : respiratory protection only if aerosol or dust is formed.

Protective measures : Handle in accordance with good industrial hygiene and safety practice.

### Environmental exposure controls

General advice : Do not let product enter drains.  
Do not allow uncontrolled discharge of product into the environment.  
Do not contaminate water.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state : liquid

Colour : various

Odour : very faint

pH : ca. 4, (20 °C)

Melting point/range : No data available

Boiling point/boiling range : > 100 °C

Flash point : Not applicable

Density : ca. 1,07 g/cm<sup>3</sup> (20 °C)

Solubility(ies)  
Water solubility : completely miscible

Decomposition temperature : No decomposition if stored and applied as directed.

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### 9.2 Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No hazardous reactions if stored and handled as prescribed/indicated.

### 10.4 Conditions to avoid

Conditions to avoid : Do not allow evaporation to dryness.

### 10.5 Incompatible materials

Materials to avoid : Incompatible with strong acids and bases.

### 10.6 Hazardous decomposition products

Hazardous decomposition products : In case of fire hazardous decomposition products may be produced such as:  
ammonia  
Nitrogen oxides (NO<sub>x</sub>)

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

##### Product:

Acute oral toxicity : LD50 (Rat): > 2.000 mg/kg

##### Components:

##### **ammonium nitrate:**

Acute oral toxicity : LD50 (Rat): > 2.950 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : > 88,8 mg/l  
Method: No information available.



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Acute dermal toxicity : LD50 (Rat): > 5.000 mg/kg  
Method: OECD Test Guideline 402

### **1H-Pyrazole, 3,4-dimethyl-, phosphate (1:1):**

Acute oral toxicity : LD50 (Rat): 200 - 2.000 mg/kg  
Method: Tested according to Directive 92/69/EEC.  
Remarks: The product was not tested. The statement was derived from products of similar structure and composition.

Acute inhalation toxicity : LC50 (Rat): > 5,5 mg/l  
Method: OECD Test Guideline 403  
Remarks: calculated

### **3,4-dimethyl-1H-pyrazole:**

Acute oral toxicity : LD50 (Rat): ca. > 500 - < 2.000 mg/kg  
Method: OECD Guideline 423

Acute inhalation toxicity : LC50 (Rat): > 2,1 - < 5,1 mg/l  
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rat): > 1.000 - < 2.000 mg/kg

### **Skin corrosion/irritation**

#### **Product:**

Remarks: May cause skin irritation and/or dermatitis.

#### **Components:**

##### **ammonium nitrate:**

Species: Rabbit  
Method: OECD Test Guideline 404  
Result: non-irritant

##### **1H-Pyrazole, 3,4-dimethyl-, phosphate (1:1):**

Species: Rabbit  
Method: OECD Test Guideline 404  
Result: non-irritant

##### **3,4-dimethyl-1H-pyrazole:**

Species: Rabbit  
Method: OECD Test Guideline 404  
Result: non-irritant

### **Serious eye damage/eye irritation**

#### **Product:**

Remarks: Contact with eyes may cause irritation.

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### Components:

#### **ammonium nitrate:**

Species: Rabbit  
Method: OECD Test Guideline 405  
Result: Irritant

#### **1H-Pyrazole, 3,4-dimethyl-, phosphate (1:1):**

Species: Rabbit  
Method: OECD Test Guideline 405  
Result: Irritant

#### **3,4-dimethyl-1H-pyrazole:**

Species: Rabbit  
Method: OECD Test Guideline 405  
Result: Irreversible effects on the eye

### **Respiratory or skin sensitisation**

#### Product:

Remarks: None known.

### Components:

#### **ammonium nitrate:**

Result: Does not cause skin sensitisation.

#### **1H-Pyrazole, 3,4-dimethyl-, phosphate (1:1):**

Test Type: Maximisation Test (GPMT)  
Species: Guinea pig  
Method: OECD Test Guideline 406  
Result: Did not cause sensitisation on laboratory animals.

#### **3,4-dimethyl-1H-pyrazole:**

Test Type: Maximisation Test (GPMT)  
Species: Guinea pig  
Method: OECD Test Guideline 406  
Result: Did not cause sensitisation on laboratory animals.

### **germ cell mutagenicity**

#### Components:

#### **ammonium nitrate:**

Genotoxicity in vitro : Method: OECD Test Guideline 471  
Result: negative

#### **1H-Pyrazole, 3,4-dimethyl-, phosphate (1:1):**

Germ cell mutagenicity- : Animal experiments showed mutagenic and teratogenic

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Assessment effects.

### Carcinogenicity

#### Components:

##### **ammonium nitrate:**

Species: Rat

Remarks: Animal testing did not show any carcinogenic effects.

##### **1H-Pyrazole, 3,4-dimethyl-, phosphate (1:1):**

Carcinogenicity - : Did not show carcinogenic effects in animal experiments.  
Assessment

##### **3,4-dimethyl-1H-pyrazole:**

Remarks: Limited evidence of a carcinogenic effect.

Expert judgement

### Reproductive toxicity

#### Components:

##### **ammonium nitrate:**

Effects on fertility : Species: Rat

Remarks: Animal testing did not show any effects on fertility.

Effects on foetal  
development

: Species: Rat  
Remarks: Did not show teratogenic effects in animal  
experiments.

##### **1H-Pyrazole, 3,4-dimethyl-, phosphate (1:1):**

Reproductive toxicity - : In animal testing, risk of impaired fertility was shown only after  
Assessment administration of very high doses of this substance.  
May damage fertility. Suspected of damaging the unborn  
child.

##### **3,4-dimethyl-1H-pyrazole:**

Effects on fertility :  
Remarks: No human information is available.

Effects on foetal : Remarks: No human information is available.  
development

### STOT - repeated exposure

#### Components:

##### **3,4-dimethyl-1H-pyrazole:**

Exposure routes: inhalation (dust/mist/fume)

Target Organs: Nasal inner lining, Salivary gland

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Remarks: STOT - repeated exposure

### Repeated dose toxicity

#### Components:

##### **ammonium nitrate:**

Species: Rat  
NOAEL: > 1.500 mg/kg  
Application Route: Oral  
Exposure time: 28 d

Species: Rat  
NOAEL: = 256 mg/kg  
Application Route: Oral  
Exposure time: 52 w  
Method: OECD Test Guideline 453

Species: Rat  
NOAEL: >= 185 mg/kg  
Application Route: by inhalation  
Exposure time: 2 w  
Method: Repeated Dose Inhalation Toxicity: 28-day or 14-day Study.

##### **1H-Pyrazole, 3,4-dimethyl-, phosphate (1:1):**

Remarks: The substance may cause damage to the liver after repeated ingestion of high doses, as shown in animal studies.  
The substance may cause damage to the kidney after repeated ingestion of high doses, as shown in animal studies.

##### **3,4-dimethyl-1H-pyrazole:**

Remarks: Expert judgement

### Aspiration hazard

Based on available data, the classification criteria are not met.

## 11.2 Information on other hazards

### Endocrine disrupting properties

No data available

### Further information

No data available

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Product:

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Toxicity to fish	: (zebra fish): > 100 mg/l Exposure time: 96 h Test Type: LC50
Toxicity to algae	: (Desmodesmus subspicatus (green algae)): > 100 mg/l Exposure time: 72 h Test Type: flow-through test

### **Components:**

#### **ammonium nitrate:**

Toxicity to fish	: LC50 (Fish): > 100 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia (water flea)): 490 mg/l Exposure time: 48 h  LC50 : 490 mg/l
Toxicity to algae	: EC50 (Selenastrum capricornutum (green algae)): 1.700 mg/l Exposure time: 10 d

#### **1H-Pyrazole, 3,4-dimethyl-, phosphate (1:1):**

Toxicity to fish	: (zebra fish): > 100 mg/l Exposure time: 96 h Test Type: LC50 Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h
Toxicity to algae	: EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l Exposure time: 72 h
Toxicity to bacteria	:  Remarks: Disposal via sewage water treatment plants may cause impairment of the nitrification activity of the activated sludge.
Toxicity to fish (Chronic toxicity)	: NOEC: > 8,7 mg/l Species: other
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC: > 25 mg/l Species: Daphnia magna (Water flea)

#### **3,4-dimethyl-1H-pyrazole:**

Toxicity to fish	: (zebra fish): > 100 mg/l Exposure time: 96 h
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Test Type: LC50  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): > 100 mg/l Exposure time: 48 h
Toxicity to algae	: EC50 (Scenedesmus subspicatus): > 100 mg/l Exposure time: 72 h Method: Algal inhibition test
Toxicity to bacteria	: Remarks: Disposal via sewage water treatment plants may cause impairment of the nitrification activity of the activated sludge.
Toxicity to fish (Chronic toxicity)	: No observed effect concentration: > 8,7 mg/l Species: other
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC: > 25 mg/l Species: Daphnia magna (Water flea)

### 12.2 Persistence and degradability

#### Components:

##### **ammonium nitrate:**

Biodegradability : Remarks: The methods for determining the biological degradability are not applicable to inorganic substances.

##### **1H-Pyrazole, 3,4-dimethyl-, phosphate (1:1):**

Biodegradability : Remarks: Inherently biodegradable.  
According to the results of tests of biodegradability this product is not readily biodegradable.

##### **3,4-dimethyl-1H-pyrazole:**

Biodegradability : Remarks: Inherently biodegradable.  
According to the results of tests of biodegradability this product is not readily biodegradable.

### 12.3 Bioaccumulative potential

#### Components:

##### **ammonium nitrate:**

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water : log Pow: -3,1

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### **1H-Pyrazole, 3,4-dimethyl-, phosphate (1:1):**

Bioaccumulation : Species: Pimephales sp.  
Exposure time: 14 d  
Bioconcentration factor (BCF): 1,2  
Method: Bioaccumulation: Flow-through Fish Test.  
Remarks: Does not significantly accumulate in organisms.  
The product was not tested. The statement was derived from products of similar structure and composition.

### **3,4-dimethyl-1H-pyrazole:**

Bioaccumulation : Species: Pimephales sp.  
Exposure time: 14 d  
Bioconcentration factor (BCF): 1,2  
Method: Bioaccumulation: Flow-through Fish Test.  
Remarks: Does not significantly accumulate in organisms.  
The product was not tested. The statement was derived from products of similar structure and composition.

## **12.4 Mobility in soil**

### Components:

#### **1H-Pyrazole, 3,4-dimethyl-, phosphate (1:1):**

Distribution among environmental compartments : Remarks: Because of the water solubility, part of the product will dissolve.

#### **3,4-dimethyl-1H-pyrazole:**

Distribution among environmental compartments : Remarks: Because of the water solubility, part of the product will dissolve.

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

### Components:

#### **1H-Pyrazole, 3,4-dimethyl-, phosphate (1:1):**

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

#### **3,4-dimethyl-1H-pyrazole:**

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

## **12.6 Endocrine disrupting properties**

No data available

## **12.7 Other adverse effects**

### Product:

Additional ecological information : Do not flush into surface water or sanitary sewer system.  
Depending on local conditions and existing concentrations, disturbances in the biodegradation process of activated

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sludge are possible.

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### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

- |                        |   |   |
|------------------------|---|---|
| Product                | : | Must not be disposed together with household garbage. Do not allow product to reach sewage system. Check if agriculture use is possible. It must undergo special treatment, e.g. at suitable disposal site, to comply with local regulations. |
| Contaminated packaging | : | Observe national and local legal requirements.<br>Suitable cleaning agents<br>Water<br>Cleaning agent   |
- 

### SECTION 14: Transport information

#### 14.1 UN number or ID number

Not regulated as a dangerous good

#### 14.2 UN proper shipping name

Not regulated as a dangerous good

#### 14.3 Transport hazard class(es)

Not regulated as a dangerous good

#### 14.4 Packing group

Not regulated as a dangerous good

#### 14.5 Environmental hazards

Not regulated as a dangerous good

#### 14.6 Special precautions for user

Not applicable

#### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

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### SECTION 15: Regulatory information

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

- |                                     |   |                                |
|-------------------------------------|---|--------------------------------|
| Water contaminating class (Germany) | : | WGK 3 highly water endangering |
|-------------------------------------|---|--------------------------------|



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Other regulations : Handle in accordance with good industrial hygiene and safety practice.

This product is subject to Regulation (EU) 2019/1148; suspicious transactions, disappearance or theft of the product must be reported to the relevant authority.

### 15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this substance.

## SECTION 16: Other information

### Full text of H-Statements

H272 : May intensify fire; oxidizer.  
H302 : Harmful if swallowed.  
H302 + H312 + H332 : Harmful if swallowed, in contact with skin or if inhaled  
H318 : Causes serious eye damage.  
H319 : Causes serious eye irritation.  
H351 : Suspected of causing cancer.  
H361fd : Suspected of damaging fertility. Suspected of damaging the unborn child.  
H373 : May cause damage to organs through prolonged or repeated exposure.  
H412 : Harmful to aquatic life with long lasting effects.

### Full text of other abbreviations

Acute Tox. : Acute toxicity  
Aquatic Chronic : Chronic aquatic toxicity  
Carc. : Carcinogenicity  
Eye Dam. : Serious eye damage  
Eye Irrit. : Eye irritation  
Ox. Sol. : Oxidizing solids  
Repr. : Reproductive toxicity  
STOT RE : Specific target organ toxicity - repeated exposure

(Q)SAR - (Quantitative) Structure Activity Relationship; ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; DIN - Standard of the German Institute for Standardisation; ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISO - International

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Organisation for Standardization; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TRGS - Technical Rule for Hazardous Substances; UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative; DSL - Domestic Substances List (Canada); KECI - Korea Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); AICS - Australian Inventory of Chemical Substances; IECSC - Inventory of Existing Chemical Substances in China; ENCS - Existing and New Chemical Substances (Japan); ISHL - Industrial Safety and Health Law (Japan); PICCS - Philippines Inventory of Chemicals and Chemical Substances; NZIoC - New Zealand Inventory of Chemicals; TCSI - Taiwan Chemical Substance Inventory; CMR - Carcinogen, Mutagen or Reproductive Toxicant; GLP - Good Laboratory Practice

### Further 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.

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