

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

**1.1. Product identifier**

Product form : Mixture  
Trade name : TUBALL MATRIX 203

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

**1.2.1. Relevant identified uses**

Use of the substance/mixture : The plasticizer is to be used for thermoset compounds to add electrical conductivity

**1.2.2. Uses advised against**

No additional information available

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

Europe:	USA:	Asia:	China:	India:
OCSiAI Europe S.a.r.l. L-3364, Leudelange, 1, rue de la Poudrerie, Grand Duchy of Luxembourg	OCSiAI LLC 500 S Front St., Suite 860, Columbus, OH 43215, USA	OCSiAI Asia Pacific Co., Ltd. Office 208, Pilot Plant Bldg., Incheon Technopark 12 Gaetbeol-ro, Yeonsu-gu, Incheon, 406-840 Republic of Korea	OCSiAI Hong Kong Limited No. 1102, 11/F, Lippo Sun Plaza, 28 Canton Road, Tsim Sha Tsui, Kowloon, Hong Kong	OCSiAI PRIVATE LIMITED A504 Universal BusinessPark, Ansa Industrial Estate, Chandivali, Andheri (E) Mumbai 400072
T +352 27 99 03 73 09.00-17.00 GMT+2 europe@ocsial.com	T +1 415 906 5271 09.00-17.00 GMT-4 usa@ocsial.com	T +82 32 260 0407 09.00-17.00 GMT+9 asiapacific@ocsial.com	T +852 3575 3943 09:00-17:00; GMT+8 china@ocsial.com	T +91 22 4120 8615 09:00-17:00; GMT+5.5 india@ocsial.com

**1.4. Emergency telephone number**

Europe:	USA:	Asia:	China:	India:
+352 27 99 03 73 09.00-17.00; GMT+2	+1 415 906 5271 09.00-17.00; GMT-4	+82 32 260 0407 09.00-17.00; GMT+9	+852 3575 3943 09:00-17:00; GMT+8	+91 22 4120 8615 09:00-17:00; GMT+5.5

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture ►**

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Serious eye damage/eye irritation, Category 2 H319  
Skin sensitisation, Category 1 H317  
Germ cell mutagenicity, Category 2 H341  
Hazardous to the aquatic environment — Chronic Hazard, Category 2 H411  
Full text of H statements : see section 16

**Adverse physicochemical, human health and environmental effects**

Suspected of causing genetic defects. May cause an allergic skin reaction. Causes serious eye irritation. Toxic to aquatic life with long lasting effects.

**2.2. Label elements ►**

**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms (CLP) :



GHS07      GHS08      GHS09

Signal word (CLP) : Warning  
Hazardous ingredients : 2,3-epoxypropyl neodecanoate  
Hazard statements (CLP) : H317 - May cause an allergic skin reaction.  
H319 - Causes serious eye irritation.  
H341 - Suspected of causing genetic defects.  
H411 - Toxic to aquatic life with long lasting effects.

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Precautionary statements (CLP) : P201 - Obtain special instructions before use.  
P261 - Avoid breathing dust, fume.  
P264 - Wash hands, forearms and face thoroughly after handling.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves, protective clothing, eye protection.  
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures ►

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2,3-epoxypropyl neodecanoate	(CAS-No.) 26761-45-5 (EC-No.) 247-979-2 (REACH-No.) 01-2119431597-33	70	Skin Sens. 1, H317 Muta. 2, H341 Aquatic Chronic 2, H411
Single wall carbon nanotubes*	(CAS-No.) Not available (EC-No.) 943-098-9 (REACH-No.) 01-2120130006-75-0000	10	Eye Irrit. 2, H319
Alkylolammonium salt	(CAS-No.) 398475-96-2	6 – 10	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

\* Single wall carbon nanotubes TUBALL™

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures ►

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Get medical attention.  
First-aid measures after skin contact : Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Wash with plenty of soap and water.  
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.  
First-aid measures after ingestion : Rinse mouth out with water. Do not induce vomiting. Get medical attention.

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

Symptoms/effects after skin contact : May cause an allergic skin reaction.  
Symptoms/effects after eye contact : Causes serious eye irritation.

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

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Powder, Alcohol-resistant foam, Water spray, Carbon dioxide (CO<sub>2</sub>).  
Unsuitable extinguishing media : None known.

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

Fire hazard : Flammable vapours can accumulate in head space of closed systems. Residue may be flammable and explosive.  
Explosion hazard : May form flammable/explosive vapour-air mixture.  
Hazardous decomposition products in case of fire : Carbon dioxide. Carbon monoxide.

### 5.3. Advice for firefighters ►

Protection during firefighting : Full face mask. Positive pressure self-contained breathing apparatus (SCBA).

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### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

- Protective equipment : Wear suitable protective clothing.  
Emergency procedures : Ensure adequate ventilation. Evacuate area.

##### 6.1.2. For emergency responders ►

- Protective equipment : Wear suitable protective clothing, gloves and eye/face protection. In case of fire: Positive pressure self-contained breathing apparatus (SCBA).  
Emergency procedures : Provide adequate ventilation. Evacuate area. Avoid inhalation of vapours.

#### 6.2. Environmental precautions ►

Do not allow to enter into surface water or drains. Collect contaminated extinguishing water separately and must not enter the sewage system.

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

- For containment : Clean spills promptly. Ventilate affected area. Stop leak if safe to do so.  
Methods for cleaning up : Clear up rapidly by scoop or vacuum. Collect in closed container and remove to a safe place for disposal by burning.

#### 6.4. Reference to other sections

No additional information available

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Avoid contact with skin, eyes and clothing. Carry out operations in the open/under local exhaust/ventilation or with respiratory protection. Avoid breathing dust, fume. To prevent thermal burns avoid contact with hot product.  
Hygiene measures : Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.

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

- Storage conditions : Store in dry, well-ventilated area. Store at ambient temperature. Keep container tightly closed. Protect from sunlight.  
Maximum storage period : 2 years  
Storage temperature : -40 / +40  
Heat and ignition sources : Keep away from open flames, hot surfaces and sources of ignition.  
Information on mixed storage : Store away from water (including sewage plant).  
Special rules on packaging : Keep container tightly closed.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters ►

##### 2,3-epoxypropyl neodecanoate

###### DNEL/DMEL (Workers)

Long-term - systemic effects, dermal 1.4 mg/kg bw/day

Long-term - systemic effects, inhalation 1.965 mg/m<sup>3</sup>

###### DNEL/DMEL (General population)

Long-term - systemic effects, oral 1.1 mg/kg bw/day

Long-term - systemic effects, inhalation 1 mg/m<sup>3</sup>

Long-term - systemic effects, dermal 0.7 mg/kg bw/day

###### PNEC (Water)

PNEC aqua (freshwater) 0.0035 mg/l

PNEC aqua (marine water) 0.35 µg/L

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PNEC aqua (intermittent, freshwater)	0.035 mg/l
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	50 mg/l

### 8.2. Exposure controls ►

#### Personal protective equipment:

Gloves. Protective clothing. Gas mask.

#### Hand protection:

Wear suitable gloves. EN 374

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
	Nitrile rubber (NBR), Butyl rubber	6 (> 480 minutes)	0.4		

#### Eye protection:

Chemical goggles or safety glasses. EN 166

#### Skin and body protection:

Protective clothing (with elasticated cuffs and closed neck). EN 14605

#### Respiratory protection:

Wear respiratory protection. Selection of respiratory protection must be based on the result of the risk assessment

#### Personal protective equipment symbol(s):



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties ►

Physical state	: Solid
Appearance	: Flakes. Pasty.
Colour	: Black.
Odour	: Slight.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: < -60 °C (2,3-epoxypropyl neodecanoate)
Freezing point	: Not applicable
Boiling point	: 278 °C (2,3-epoxypropyl neodecanoate)
Flash point	: 126 °C (2,3-epoxypropyl neodecanoate)
Auto-ignition temperature	: 397 (2,3-epoxypropyl neodecanoate)
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: Slightly soluble in water. Soluble in organic solvents.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Product is not explosive.
Oxidising properties	: Non oxidizing.
Explosive limits	: Not applicable

### 9.2. Other information

No additional information available

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Stable under normal conditions.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

None known.

#### 10.4. Conditions to avoid

Keep away from open flames, hot surfaces and sources of ignition.

#### 10.5. Incompatible materials

Strong oxidizing agents.

#### 10.6. Hazardous decomposition products ►

Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects ►

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

#### 2,3-epoxypropyl neodecanoate

LD50 oral rat	> 9700 mg/kg
LD50 dermal rat	3800 mg/kg

#### Alkyloammonium salt

LD50 oral rat	> 5000 mg/kg
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Skin corrosion/irritation : Not available  
Serious eye damage/irritation : Causes serious eye irritation.  
Respiratory or skin sensitisation : May cause an allergic skin reaction.  
Germ cell mutagenicity : Suspected of causing genetic defects.  
Carcinogenicity : Not available  
Reproductive toxicity : Not available  
STOT-single exposure : Not available  
STOT-repeated exposure : Not available  
Aspiration hazard : Not available

### SECTION 12: Ecological information

#### 12.1. Toxicity ►

Hazardous to the aquatic environment, short-term (acute) : Not classified  
Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.

#### 2,3-epoxypropyl neodecanoate

LC50 fish - 96h	9.6 mg/l <i>Oncorhynchus mykiss</i> (Rainbow trout)
EC50 crustacea - 48h	4.8 mg/l <i>Daphnia magna</i> (Water flea)
EC50 algae - 96h	3.5 mg/l algae

#### Alkyloammonium salt

LC50 fish - 96h	8 mg/l <i>Oncorhynchus mykiss</i> (Rainbow trout) - OECD 203
ErC50 algae - 72h	> 1 mg/l <i>Pseudokirchneriella subcapitata</i> - OECD 201

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### 12.2. Persistence and degradability ►

#### Alkylolammonium salt

Persistence and degradability: Not readily biodegradable.

### 12.3. Bioaccumulative potential

#### 2,3-epoxypropyl neodecanoate

Partition coefficient n-octanol/water (Log Pow): 4.4 @ 20 °C

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment ►

#### Component

Single wall carbon nanotubes: This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII  
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste): : Dispose of this material and its container at hazardous or special waste collection point.  
Waste treatment methods: : Disposal through controlled incineration or authorised waste dump.  
Sewage disposal recommendations: : Prevent entry to sewers and public waters.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
UN 3077	UN 3077	UN 3077	UN 3077	UN 3077
<b>14.2. UN proper shipping name ►</b>				
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS : 2,3-epoxypropyl neodecanoate, Alkylolammonium salt)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS : 2,3-epoxypropyl neodecanoate, Alkylolammonium salt)	Environmentally hazardous substance, solid, n.o.s. (CONTAINS : 2,3-epoxypropyl neodecanoate, Alkylolammonium salt)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS : 2,3-epoxypropyl neodecanoate, Alkylolammonium salt)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS : 2,3-epoxypropyl neodecanoate, Alkylolammonium salt)
<b>Transport document description ►</b>				
UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS : 2,3-epoxypropyl neodecanoate, Alkylolammonium salt), 9, III, (-)	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS 2,3-epoxypropyl neodecanoate, Alkylolammonium salt), 9, III, MARINE POLLUTANT	UN 3077 Environmentally hazardous substance, solid, n.o.s. (CONTAINS 2,3-epoxypropyl neodecanoate, Alkylolammonium salt), 9, III	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS : 2,3-epoxypropyl neodecanoate, Alkylolammonium salt), 9, III	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS : 2,3-epoxypropyl neodecanoate, Alkylolammonium salt), 9, III
<b>14.3. Transport hazard class(es)</b>				
9	9	9	9	9

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### 14.4. Packing group

III

III

III

III

III

### 14.5. Environmental hazards

Dangerous for the environment : Yes

Dangerous for the environment : Yes  
Marine pollutant : Yes

Dangerous for the environment : Yes

Dangerous for the environment : Yes

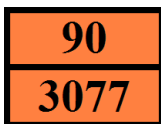
Dangerous for the environment : Yes

No supplementary information available

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR) : M7  
Special provisions (ADR) : 274, 335, 375, 601  
Limited quantities (ADR) : 5kg  
Excepted quantities (ADR) : E1  
Packing instructions (ADR) : P002, IBC08, LP02, R001  
Special packing provisions (ADR) : PP12, B3  
Mixed packing provisions (ADR) : MP10  
Portable tank and bulk container instructions (ADR) : T1, BK1, BK2, BK3  
Portable tank and bulk container special provisions (ADR) : TP33  
Tank code (ADR) : SGAV, LGBV  
Vehicle for tank carriage : AT  
Transport category (ADR) : 3  
Special provisions for carriage - Packages (ADR) : V13  
Special provisions for carriage - Bulk (ADR) : VC1, VC2  
Special provisions for carriage - Loading, unloading and handling (ADR) : CV13  
Hazard identification number (Kemler No.) : 90  
Orange plates :



Tunnel restriction code (ADR) : -

#### Transport by sea

Special provisions (IMDG) : 274, 335, 966, 967, 969  
Limited quantities (IMDG) : 5 kg  
Excepted quantities (IMDG) : E1  
Packing instructions (IMDG) : LP02, P002  
Special packing provisions (IMDG) : PP12  
IBC packing instructions (IMDG) : IBC08  
IBC special provisions (IMDG) : B3  
Tank instructions (IMDG) : BK1, BK2, BK3, T1  
Tank special provisions (IMDG) : TP33  
EmS-No. (Fire) : F-A  
EmS-No. (Spillage) : S-F  
Stowage category (IMDG) : A  
Stowage and handling (IMDG) : SW23

#### Air transport

PCA Excepted quantities (IATA) : E1  
PCA Limited quantities (IATA) : Y956  
PCA limited quantity max net quantity (IATA) : 30kgG  
PCA packing instructions (IATA) : 956  
PCA max net quantity (IATA) : 400kg  
CAO packing instructions (IATA) : 956  
CAO max net quantity (IATA) : 400kg  
Special provisions (IATA) : A97, A158, A179, A197  
ERG code (IATA) : 9L

#### Inland waterway transport

Classification code (ADN) : M7  
Special provisions (ADN) : 274, 335, 375, 601

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Limited quantities (ADN) : 5 kg  
Excepted quantities (ADN) : E1  
Equipment required (ADN) : PP, A  
Number of blue cones/lights (ADN) : 0  
Additional requirements/Remarks (ADN) : \* Only in the molten state. \*\* For carriage in bulk see also 7.1.4.1. \*\*\* Only in the case of transport in bulk.

### Rail transport

Classification code (RID) : M7  
Special provisions (RID) : 274, 335, 375, 601  
Limited quantities (RID) : 5kg  
Excepted quantities (RID) : E1  
Packing instructions (RID) : P002, IBC08, LP02, R001  
Special packing provisions (RID) : PP12, B3  
Mixed packing provisions (RID) : MP10  
Portable tank and bulk container instructions (RID) : T1, BK1, BK2, BK3  
Portable tank and bulk container special provisions (RID) : TP33  
Tank codes for RID tanks (RID) : SGAV, LGBV  
Transport category (RID) : 3  
Special provisions for carriage – Packages (RID) : W13  
Special provisions for carriage – Bulk (RID) : VC1, VC2  
Special provisions for carriage - Loading, unloading and handling (RID) : CW13, CW31  
Colis express (express parcels) (RID) : CE11  
Hazard identification number (RID) : 90

### 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

#### 15.1.1. EU-Regulations ►

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:		
Reference code	Applicable on	Entry title or description
3(b)	2,3-epoxypropyl neodecanoate ; Alkylolammonium salt	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
3(c)	2,3-epoxypropyl neodecanoate ; Alkylolammonium salt	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

#### 15.1.2. National regulations ►

##### Germany

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG)  
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG)

Water hazard class (WGK) : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

##### Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed



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NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

### Denmark

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product  
Pregnant/breastfeeding women working with the product must not be in direct contact with the product  
The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

## 15.2. Chemical safety assessment

**For the following substances of this mixture a chemical safety assessment has been carried out**

Single wall carbon nanotubes

## SECTION 16: Other information

### Abbreviations and acronyms:

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
ATE	Acute Toxicity Estimate
BLV	Biological limit value
CAS-No.	Chemical Abstract Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
EC-No.	European Community number
EN	European Standard
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative
WGK	Water Hazard Class

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Full text of H- and EUH-statements:	
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Muta. 2	Germ cell mutagenicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H341	Suspected of causing genetic defects.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Revision : All recent revision(s) are noted by a bold triangle pointed to right '►'.  
Disclaimer : This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. It is the user's responsibility to take mentioned precaution measures and ensure that this information is complete and sufficient for the use of this product.

SDS EU (REACH Annex II) OCSiAI

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.