

#### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878
Issue date: 19/02/2016 Revision date: 10/06/2021 Version: 5.0

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

#### 1.1. Product identifier

Product form : Mixture

Product name : TUBALL MATRIX 204

Type of product : Nanoform embedded in a matrix

#### 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 : Industrial use as additive in polymers, resins and/or coatings

#### 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:
OCSiAl Europe S.a.r.l.	OCSIAI LLC	OCSiAl Asia Pacific Co., Ltd.	OCSiAl Hong Kong Limited	VIMAL INTERTRADE PVT
L-3364, Leudelange,	500 S Front St.,	Office 208, Pilot Plant Bldg.,	No. 1102, 11/F, Lippo Sun	LTD. Shivam Centrum,
1, rue de la Poudrerie,	Suite 860, Columbus,	Incheon Technopark	Plaza, 28 Canton Road,	Sahar Road, Koldongri,
Grand Duchy of	OH 43215, USA	12 Gaetbeol-ro, Yeonsu-gu,	Tsim Sha Tsui, Kowloon,	Above Nexa Showroom, Andheri East,
Luxembourg		Incheon, 406-840	Hong Kong	,
v		Republic of Korea		Mumbai – 400 069
T +352 27 99 03 73	T +1 415 906 5271	T +82 32 260 0407	T +852 3575 3946	T +91 22 6288 4200
09.00-17.00 GMT+2	09.00-17.00 GMT-4	09.00-17.00 GMT+9	09:00-17:00; GMT+8	09:00-17:00; GMT+5.5
europe@ocsial.com	usa@ocsial.com	asiapacific@ocsial.com	china@ocsial.com	india@ocsial.com

#### 1.4. Emergency telephone number

**EMEA** : +44 1865 407333 (English) (Carechem 24)

East/South East Asia : +65 3158 1074 (English, Hindi, Japanese, Korean, Malay, Mandarin) (Carechem 24)

#### **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
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

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 GHS09

Signal word (CLP) : Warning

Hazardous ingredients : Triethylene glycol dimethacrylate

Hazard statements (CLP) : H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) : P261 - Avoid breathing dust, fume.

P273 - Avoid release to the environment.

P280 - Wear protective gloves, eye protection, protective clothing, respiratory protection.

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

P391 - Collect spillage.

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#### 2.3. Other hazards

Other hazards which do not result in classification : None under normal conditions.

#### **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]
Triethylene glycol dimethacrylate	(CAS-No.) 109-16-0 (EC-No.) 203-652-6 (REACH-No.) 01-2119969287-21	80	Skin Sens. 1B, H317
Single wall carbon nanotubes*	(CAS-No.) Not assigned for EU-REACH (EC-No.) 943-098-9 (REACH-No.) 01-2120130006-75-0000	10	Eye Irrit. 2, H319
Polymer	Trade Secret	5 – 7	Not classified
Alkylolammonium salt	(CAS-No.) 398475-96-2	3 – 5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1)

Full text of H- and EUH-statements: see section 16

*Single wall carbon nanotubes TUBALL <sup>TM</sup>	
Name of (set of) nanoform(s)	Tuball <sup>™</sup> - grades 1RW02 / 1RW03 are part of one set of nanoform
Value	-
Number based particle size distribution d10	1.2 - 1.45 nm
d50	1.6 - 1.8 nm
d90	1.9 - 2.2 nm
Shape and aspect ratio of particles	Elongated tubes; length to diameter ratio 2000 – 10000:1
Crystallinity	Amorphous
Surface functionalisation / treatment	No
Process	Chemical vapor deposition (CVD)
Specific surface area	300 – 1500 m²/g
Additional information	G/D range : ≥ 40 (RAMAN at 532 nm)

#### **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

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

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

Treat symptomatically.

#### **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

Suitable extinguishing media : Powder, Alcohol-resistant foam, Water spray, Carbon dioxide (CO2).

Unsuitable extinguishing media : Do not use a heavy water stream.

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

Fire hazard : Under fire conditions, hazardous fumes will be present. Hazardous decomposition products in case of fire : Carbon dioxide. Carbon monoxide. Irritating vapours.

5.3. Advice for firefighters

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

#### 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.

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, cool, well-ventilated area. Keep container tightly closed. Protect from sunlight.

Incompatible products : Oxidizing agent. Reducing agents.

Storage temperature : -40 / +40°C

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).

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

No additional information available

#### **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

Triethylene glycol dimethacrylate	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	13.9 mg/kg bodyweight/day

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48.5 mg/m³		
DNEL/DMEL (General population)		
8.33 mg/kg bodyweight/day		
14.5 mg/m³		
8.33 mg/kg bodyweight/day		
0.164 mg/l		
0.0164 mg/l		
0.164 mg/l		
PNEC (Sediment)		
1.85 mg/kg dwt		
0.185 mg/kg dwt		
PNEC (Soil)		
0.274 mg/kg dwt		
PNEC (STP)		
10 mg/l		

Single wall carbon nanotubes	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	No hazard identified
Acute - systemic effects, inhalation	Low hazard (no threshold identified)
Acute - local effects, dermal	No hazard identified
Acute - local effects, inhalation	Low hazard (no threshold identified)
Long-term - systemic effects, dermal	No hazard identified
Long-term - local effects, dermal	No hazard identified
Long-term - local effects, inhalation	Low hazard (no threshold identified)
DNEL/DMEL (General population)	
Acute - systemic effects, dermal	No hazard identified
Acute - systemic effects, inhalation	Low hazard (no threshold identified)
Acute - systemic effects, oral	No hazard identified
Acute - local effects, dermal	No hazard identified
Acute - local effects, inhalation	No hazard identified
Long-term - systemic effects, dermal	No hazard identified
Long-term - local effects, dermal	No hazard identified
Long-term - local effects, inhalation	No hazard identified
PNEC (Water)	
PNEC aqua (freshwater)	No hazard identified
PNEC aqua (marine water)	No hazard identified
PNEC (Sediment)	
PNEC sediment (freshwater)	No hazard identified
PNEC sediment (marine water)	No hazard identified
PNEC (Soil)	
PNEC soil	No hazard identified
PNEC (Oral)	
PNEC oral (secondary poisoning)	No potential to cause toxic effects if accumulated (in higher organisms) via the food chain
PNEC (STP)	
PNEC sewage treatment plant	No data available: testing technically not feasible

## 8.2. Exposure controls ▶

## Appropriate engineering controls:

Provide local exhaust or general room ventilation.

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#### Personal protective equipment:

Gloves. Safety glasses. Protective clothing.

#### Hand protection:

Wear suitable gloves. EN 374

Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Reusable gloves, Disposable gloves	Chloroprene rubber (CR)	3 (> 60 minutes)	0.6		EN 374
Disposable gloves, Reusable gloves	Butyl rubber	3 (> 60 minutes)	0.5		EN 374
Disposable gloves, Reusable gloves	Neoprene rubber	5 (> 240 minutes)	1.1		EN 374

#### 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:

In case of inadequate ventilation wear respiratory protection.

Device	Filter type	Condition	Standard
Gas mask	Filter A2	Long term exposure	EN 14387

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







#### **SECTION 9: Physical and chemical properties**

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

: Solid Physical state Appearance : Flakes. Pastv. Colour : Black. Odour Characteristic. Odour threshold No data available No data available рΗ Relative evaporation rate (butylacetate=1) No data available Melting point No data available Freezing point : No data available Boiling point : No data available

Flash point : > 150 °C (Methacrylic acid, diester with triethylene glycol)

Auto-ignition temperature : 255 °C (Methacrylic acid, diester with triethylene glycol)

Decomposition temperature : No data available

Decomposition temperature Flammability (solid, gas) · No data available : No data available Vapour pressure Relative vapour density at 20 °C : No data available Relative density : No data available Solubility : Insoluble in water. Partition coefficient n-octanol/water (Log Pow) : No data available : No data available Viscosity, kinematic : No data available Viscosity, dynamic Explosive properties : Not explosive. Oxidising properties : Non oxidizing. **Explosive limits** : No data available

#### Single wall carbon nanotubes

Particle size See section 3.2
Particle size distribution See section 3.2
Particle shape See section 3.2

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Particle aspect ratio See section 3.2
Particle aggregation state Bundles of nanotubes

Particle agglomeration state Single wall carbon nanotubes are embedded in a matrix

Particle specific surface area See section 3.2

Particle dustiness 1660 mg/kg (DIRM - Single wall carbon nanotubes)

#### 9.2. Other information

No additional information available

#### **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

Oxidizing agent. Reducing agents.

#### 10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. Irritating vapours.

#### **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

Triethylene glycol dimethacrylate	
LD50 oral rat	> 2000 mg/kg
Alkylolammonium salt	
LD50 oral rat	> 5000 mg/kg

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Not available
Carcinogenicity : Not available
Reproductive toxicity : Not available

Single wall carbon nanotubes	
NOAEL (animal/female, F0/P)	> 1000 mg/kg bw/day - OECD 422
NOAEL (animal, F1)	> 1000 mg/kg bw/day - for adverse effects on prenatal development (conceptus to birth) - OECD 422
NOAEL (animal, F1)	> 1000 mg/kg bw/day - for adverse effects on postnatal development (pup) - OECD 422

STOT-single exposure : Not available STOT-repeated exposure : Not available

Triethylene glycol dimethacrylate	
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined
	Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
Single wall carbon nanotubes	
NOAEL (oral, rat, 90 days)	> 1000 mg/kg bodyweight/day - OECD 422

Aspiration hazard : Not available

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#### SECTION 12: Ecological information ▶

#### 12.1. Toxicity

Hazardous to the aquatic environment, short-term

(acute)

: Not classified

Hazardous to the aquatic environment, long-term

: Toxic to aquatic life with long lasting effects.

(chronic)

Triethylene glycol dimethacrylate		
LC50 fish - 96h	16.4 mg/l – OECD 203	
EC50 algae - 72h	> 100 mg/l – OECD 201	
Alkylolammonium salt		
LC50 fish - 96h	8 mg/l Oncorhynchus mykiss (Rainbow trout) - OECD 203	
ErC50 algae - 72h	> 1 mg/l Pseudokirchneriella subcapitata - OECD 201	

#### 12.2. Persistence and degradability

Triethylene glycol dimethacrylate (109-16-0)	
Persistence and degradability	Readily biodegradable.
Alkylolammonium salt	
Persistence and degradability	Not readily biodegradable.

#### 12.3. Bioaccumulative potential

Triethylene glycol dimethacrylate (109-16-0)	
Partition coefficient n-octanol/water (Log Pow)	2.3 - OECD 117

#### 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.

Product/Packaging disposal recommendations

: Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Additional information

: Clean up even minor leaks or spills if possible without unnecessary risk.

European List of Waste (LoW) code : 06 13 99 - wastes not otherwise specified

#### **SECTION 14: Transport information**

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
UN 3077	UN 3077	UN 3077	UN 3077	UN 3077
14.2. UN proper shippin	g name			
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS: Alkylolammonium salt)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS: Alkylolammonium salt)	Environmentally hazardous substance, solid, n.o.s. (CONTAINS : Alkylolammonium salt)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS: Alkylolammonium salt)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS: Alkylolammonium salt)

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#### **Transport document description** UN 3077 UN 3077 **UN 3077 Environmentally** UN 3077 UN 3077 **ENVIRONMENTALLY ENVIRONMENTALLY** hazardous substance, solid, **ENVIRONMENTALLY ENVIRONMENTALLY HAZARDOUS HAZARDOUS** n.o.s. (CONTAINS: **HAZARDOUS HAZARDOUS** SUBSTANCE, SOLID, SUBSTANCE, SOLID, Alkylolammonium salt), 9, SUBSTANCE, SOLID, SUBSTANCE, SOLID, N.O.S. (CONTAINS: N.O.S. (CONTAINS: Ш N.O.S. (CONTAINS: N.O.S. (CONTAINS: Alkylolammonium salt), 9, Alkylolammonium salt), 9, Alkylolammonium salt), 9, Alkylolammonium salt), 9, III, MARINE POLLUTANT Ш Ш III, (-) 14.3. Transport hazard class(es) 9 9 9 9 9 14.4. Packing group Ш Ш Ш Ш 14.5. Environmental hazards Dangerous for the environment: Yes environment: Yes environment: Yes environment: Yes environment: Yes Marine pollutant : 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 : TP33

(ADR)

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 : CV13

and handling (ADR)

Hazard identification number (Kemler No.) : 90

Orange plates :

90

Tunnel restriction code (ADR) : EAC code : 2Z

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

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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

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 : TP33

(RID)

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 : CW13, CW31

and handling (RID)

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)	Triethylene glycol dimethacrylate ; 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)	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

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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 2, Significantly 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

SZW-lijst van mutagene stoffen

NIET-limitatieve lijst van voor de voortplanting

giftige stoffen – Borstvoeding

NIET-limitatieve lijst van voor de voortplanting

giftige stoffen - Vruchtbaarheid

NIET-limitatieve lijst van voor de voortplanting

giftige stoffen - Ontwikkeling

None of the components are listedNone of the components are listed

: None of the components are listed

None of the components are listed

: 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

#### 15.2. Chemical safety assessment

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

Single wall carbon nanotubes
Triethylene glycol dimethacrylate

#### **SECTION 16: Other information**

Abbreviations and acrony	yms:
CAS-No.	Chemical Abstract Service number
EC50	Median effective concentration
EC-No.	European Community number
EN	European Standard
DIRM	Mass-based Dustiness Index
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
PNEC	Predicted No-Effect Concentration
SDS	Safety Data Sheet

Other information : None.

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
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.

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Causes serious eye irritation.
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.
Toxic to aquatic life with long lasting effects.
: All recent revision(s) are noted by a bold triangle pointed to right '▶'.
: 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)

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.