EU Material safety data sheet MKT Chemical Anchor Capsule V-P M8-M24

valid for MÜPRO Chemical reaction anchor VBA M8-M24

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

1.1. Product identifier

Trade name/designation : V-P M8, V-P M10, V-P M12, V-P M14, V-P M16, V-P M20, V-P M22, V-P M24, V-P M30

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

Specific use(s) : Building and construction work

1.3. Details of the supplier of the safety data sheet

Company : MKT Metall-Kunststoff-Technik GmbH & Co. KG,
Auf dem Immel 2, D-67685 Weilerbach
Telephone 0 63 74 / 91 16 - 0, Fax 0 63 74 / 91 16 60
Internet: www.mkt-duebel.de
E-Mail: mkt@mkt-duebel.de

1.4. Emergency telephone number

Emergency telephone : +49 89 / 19240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification according to Regulation (EU) 1272/2008

CLP-Classification : This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP].

Flam. Liq. 3	H226
Skin Irrit. 2	H315
Eye Irrit. 2	H319
Skin Sens. 1	H317
STOT RE 1	H372
Aquatic Chronic 3	H412

Full text of H-phrases: see section 16

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

Classification : The product is classified as dangerous in accordance with Directive 1999/45/EC.

Xi; R43
R10
R52/53

Full text of R-phrases: see section 16

2.2. Label elements

2.2.1. Labelling according to Regulation (EU) 1272/2008

CLP pictograms :

GHS02 GHS07 GHS08

Signal word : Danger

Contains : Dibenzoyl peroxide

Hazard statements : H226 - Flammable liquid and vapour.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H372 - Causes damage to organs through prolonged or repeated exposure.
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements : P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.2.2. Labelling according to Directives (67/548 - 1999/45)

Not relevant

2.3. Other hazards

Other hazards which do not result in classification : Results of PBT and vPvB assessment :
This information is not available.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Substance name	Product identifier	%	Classification according to Directive 67/548/EEC
Styrene	(CAS No.) 100-42-5 (EC No) 202-851-5 (EC Index) 601-026-00-0 (REACH-no) 01-2119457861-32-XXXX	1 - 12,5	R10 Xn; R20 Xn; R48/20 Xn; R65 Xi; R36/37/38
Dibenzoyl peroxide	(CAS No.) 94-36-0 (EC No) 202-327-6 (EC Index) 617-008-00-0 (REACH-no) 01-2119511472-50-XXXX	0,5 - 2,5	E; R3 O; R7 Xi; R36 Xi; R43 N; R50/53
1,1'-(p-tolylimino)dipropan-2-ol	(CAS No.) 38668-48-3 (EC No) 254-075-1	0 - 0,75	T; R25 Xi; R41 R52/53

Substance name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Styrene	(CAS No.) 100-42-5 (EC No) 202-851-5 (EC Index) 601-026-00-0 (REACH-no) 01-2119457861-32-XXXX	1 - 12,5	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 1, H372 Asp. Tox. 1, H304

Substance name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Dibenzoyl peroxide	(CAS No.) 94-36-0 (EC No) 202-327-6 (EC Index) 617-008-00-0 (REACH-no) 01-2119511472-50-XXXX	0,5 - 2,5	Org. Perox. B, H241 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Acute 1, H400
1,1'-(p-tolylimino)dipropan-2-ol	(CAS No.) 38668-48-3 (EC No) 254-075-1	0 - 0,75	Acute Tox. 2 (Oral), H300 Eye Dam. 1, H318 Aquatic Chronic 3, H412

Full text of R-, H- and EUH-phrases: see section 16

Identification of the mixture : Mixture

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation. : Move to fresh air.
Keep warm and in a quiet place.
Call a physician if symptoms occur.

Skin contact : Take off all contaminated clothing immediately.
After contact with skin, wash immediately with plenty of water. .
Call a physician if irritation develops or persists.

Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Consult a physician if necessary.

Ingestion : Consult a physician.

Additional advice : First aider needs to protect himself.
See also section 8
Never give anything by mouth to an unconscious person.
Show this safety data sheet to the doctor in attendance.
Treat symptomatically.

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

Inhalation : No adverse effects are expected. May be irritating.

Skin contact : Causes skin irritation. May cause allergic skin reaction.

Eye contact : Causes serious eye irritation.

Ingestion : No adverse effects are expected.

Other adverse effects : Causes damage to organs through prolonged or repeated exposure.

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

No data available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Extinguishing media which shall not be used for safety reasons : High volume water jet

5.2. Special hazards arising from the substance or mixture

Fire hazard : Flammable liquid and vapour.

Specific hazards : Possible decomposition products are: COx.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

5.3. Advice for firefighters

Advice for firefighters : Special protective equipment for firefighters

In the event of fire, cool tanks with water spray.
Keep away from open flames, hot surfaces and sources of ignition.
No smoking.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel : Evacuate personnel to safe areas.
Wear personal protective equipment.
See also section 8
Ensure adequate ventilation.
Avoid contact with skin, eyes and clothing.
Do not breathe vapours/dust.
Keep away from open flames, hot surfaces and sources of ignition.
Ensure all equipment is electrically grounded before beginning transfer operations.
Take precautionary measures against static discharges.

Advice for emergency responders : Only qualified personnel equipped with suitable protective equipment may intervene.
See also section 8.

6.2. Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Prevent further leakage or spillage if safe to do so.
Take up mechanically and collect in suitable container for disposal.
Sweep up and shovel into suitable containers for disposal.
Dam up.
Dispose of in accordance with local regulations.
Local authorities should be advised if significant spillages cannot be contained.

6.4. Reference to other sections

See also section 8
See also section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling : Ensure adequate ventilation.
See also section 8.
Avoid contact with skin, eyes and clothing.
Do not breathe vapours/dust.
Ensure all equipment is electrically grounded before beginning transfer operations.
Take any precaution to avoid mixing with Incompatible materials
Take care to avoid waste and spillage when weighing, loading and mixing the product.
Do not burn, or use a cutting torch on, the empty drum.
Do not puncture or incinerate.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
Wash hands before breaks and immediately after handling the product.
Remove and wash contaminated clothing before re-use.

7.2. Conditions for safe storage, including any incompatibilities

Storage : Keep tightly closed in a dry, cool and well-ventilated place.
Keep away from open flames, hot surfaces and sources of ignition.
Keep away from food, drink and animal feedingstuffs.
Keep at temperatures below 25 °C.
Keep away from heat.
Protect from sunlight.
Do not store near or with any of the incompatible materials listed in section 10.

7.3 Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit(s) :

Styrene (100-42-5)		
Austria	MAK (mg/m³)	340 mg/m³
Austria	MAK (ppm)	20 ppm
Austria	MAK Short time value (ppm)	80 ppm
Belgium	Limit value (mg/m³)	216 mg/m³
Belgium	Limit value (ppm)	50 ppm
Belgium	Short time value (mg/m³)	432 mg/m³
Belgium	Short time value (ppm)	100 ppm
Bulgaria	OEL TWA (mg/m³)	85,0 mg/m³
Bulgaria	OEL STEL (mg/m³)	215,0 mg/m³
France	VME (mg/m³)	215 mg/m³
France	VME (ppm)	50 ppm
Germany	TRGS 900 Occupational exposure limit value (mg/m³)	86 mg/m³ (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	TRGS 900 Occupational exposure limit value (ppm)	20 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	TRGS 903 (BGW)	600 mg/g (Medium: urine - Time: end of shift - Parameter: Mandelic acid plus Phenylglyoxylic acid (measured as mg/g Creatinine) 600 mg/g (Medium: urine - Time: end of several shifts - Parameter: Mandelic acid plus Phenylglyoxylic acid (measured as mg/g Creatinine; for long-term exposures)
Greece	OEL TWA (mg/m³)	425 mg/m³
Greece	OEL TWA (ppm)	100 ppm
Greece	OEL STEL (mg/m³)	1050 mg/m³
Greece	OEL STEL (ppm)	250 ppm
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	20 ppm
Italy - Portugal - USA ACGIH	ACGIH STEL (ppm)	40 ppm
Latvia	OEL TWA (mg/m³)	10 mg/m³
Spain	VLA-ED (mg/m³)	86 mg/m³ (endocrine disrupter)

Styrene (100-42-5)		
Spain	VLA-ED (ppm)	20 ppm (endocrine disrupter)
Spain	VLA-EC (mg/m³)	172 mg/m³
Spain	VLA-EC (ppm)	40 ppm
Switzerland	VLE (mg/m³)	170 mg/m³
Switzerland	VLE (ppm)	40 ppm
Switzerland	VME (mg/m³)	85 mg/m³
Switzerland	VME (ppm)	20 ppm
United Kingdom	WEL TWA (mg/m³)	430 mg/m³
United Kingdom	WEL TWA (ppm)	100 ppm
United Kingdom	WEL STEL (mg/m³)	1080 mg/m³
United Kingdom	WEL STEL (ppm)	250 ppm
Czech Republic	Expoziční limity (PEL) (mg/m3)	100 mg/m³
Denmark	Grænseværdie (kortvarig) (mg/m3)	105 mg/m³
Denmark	Grænseværdie (kortvarig) (ppm)	25 ppm
Finland	HTP-arvo (8h) (mg/m3)	86 mg/m³
Finland	HTP-arvo (8h) (ppm)	20 ppm
Finland	HTP-arvo (15 min)	430 mg/m³
Finland	HTP-arvo (15 min) (ppm)	100 ppm
Hungary	AK-érték	50 mg/m³
Hungary	CK-érték	50 mg/m³
Ireland	OEL (8 hours ref) (mg/m3)	85 mg/m³
Ireland	OEL (8 hours ref) (ppm)	20 ppm
Ireland	OEL (15 min ref) (mg/m3)	170 mg/m³
Ireland	OEL (15 min ref) (ppm)	40 ppm
Lithuania	IPRV (mg/m3)	90 mg/m³
Lithuania	IPRV (ppm)	10 ppm (for planning of new facilities or replacing the old ones)
Lithuania	TPRV (mg/m3)	200 mg/m³
Lithuania	TPRV (ppm)	50 ppm
Norway	Gjennomsnittsverdier (AN) (mg/m3)	105 mg/m³
Norway	Gjennomsnittsverdier (AN) (ppm)	25 ppm
Norway	Gjennomsnittsverdier (Korttidsverdi) (mg/m3)	131,25 mg/m³
Norway	Gjennomsnittsverdier (Korttidsverdi) (ppm)	37,5 ppm
Poland	NDS (mg/m3)	50 mg/m³
Poland	NDSCh (mg/m3)	200 mg/m³
Romania	OEL TWA (mg/m³)	50 mg/m³
Romania	OEL TWA (ppm)	12 ppm
Romania	OEL STEL (mg/m³)	150 mg/m³
Romania	OEL STEL (ppm)	35 ppm
Slovakia	NPHV (priemerná) (mg/m3)	86 mg/m³
Slovakia	NPHV (priemerná) (ppm)	20 ppm
Slovakia	NPHV (Hraničná) (mg/m3)	200 mg/m³
Sweden	nivågränsvärde (NVG) (mg/m3)	43 mg/m³
Sweden	nivågränsvärde (NVG) (ppm)	10 ppm
Sweden	kortidsvärde (KTV) (mg/m3)	86 mg/m³
Sweden	kortidsvärde (KTV) (ppm)	20 ppm

Recommended monitoring procedures: : Concentration measurement in air
Personal monitoring

8.2. Exposure controls

Personal protective equipment : The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
Respirator with a full face mask (EN 136),
Respirator with a half face mask (EN 140),
Recommended Filter type: A (EN 141).

Hand protection : Impervious gloves (EN 374). The selection of specific gloves for a specific application and time of use in a working area, should also take into account other factors on the working space, such as (but not limited to): other chemicals that are possibly used, physical requirements (protection against cutting/drilling, skill, thermal protection), and the instructions/specification of the supplier of gloves.
Butyl rubber. (EN 374) Break through time : > 120 min

Eye protection : Safety glasses (EN 166)

Skin and body protection : Wear suitable protective clothing.

Thermal hazard protection : Not required under normal use.

Engineering control measures : Use only in area provided with appropriate exhaust ventilation.
Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).
Ensure that eyewash stations and safety showers are close to the workstation location.
Organisational measures to prevent /limit releases, dispersion and exposure
See also section 7

Environmental exposure controls : The product should not be allowed to enter drains, water courses or the soil.
Comply with applicable Community environmental protection legislation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	:	capsules
Colour	:	colourless
Odour	:	characteristic
pH	:	No data available
Melting point/range	:	No data available
Boiling point/boiling range	:	No data available
Flash point	:	31 °C resin
Evaporation rate	:	No data available
Flammability (solid, gas)	:	not applicable
Explosion limits	:	No data available
Vapour pressure	:	No data available
Vapour density	:	No data available
Relative density	:	No data available
Water solubility	:	Insoluble

Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Autoignition temperature	:	No data available
Decomposition temperature	:	no data available
Viscosity	:	420 - 520 mPa.s resin
Explosive properties	:	not applicable The study does not need to be conducted because there are no chemical groups associated with explosive properties present in the molecule.
Oxidizing properties	:	not applicable The classification procedure needs not to be applied because there are no chemical groups present in the molecule which are associated with oxidising properties.

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity : Flammable liquid and vapour.
See also section 10.5

10.2. Chemical stability

Stability : Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions : heat :
Polymerisation can occur.

10.4. Conditions to avoid

Conditions to avoid : Keep away from heat and sources of ignition.
See also section 7
Handling and storage

10.5. Incompatible materials

Incompatible materials : Strong oxidizing agents Strong bases Strong acids See also section 7
Handling and storage

10.6. Hazardous decomposition products

Hazardous decomposition products : Burning produces noxious and toxic fumes. (COx).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified (Based on available data, the classification criteria are not met.)
Skin corrosion/irritation	: Causes skin irritation. pH: No data available
Serious eye damage/irritation	: Causes serious eye irritation. pH: No data available
Respiratory/skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met.)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met.)

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met.)

Specific target organ toxicity (single exposure) : Not classified (Based on available data, the classification criteria are not met.)

Specific target organ toxicity (repeated exposure) : Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met.)

Further information

Symptoms related to the physical, chemical and toxicological characteristics,See section 4.2.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity effects : Harmful to aquatic life with long lasting effects .

Styrene (100-42-5)	
LC50/96h/fish	3,24 - 4,99 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50/48h/daphnia	3,3 - 7,4 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 other aquatic organisms 1	1,4 mg/l (Exposure time: 72 h - Species: Pseudokirchneriella subcapitata)
LC50 fish 2	19,03 - 33,53 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
LC50 other aquatic organisms 2	500 mg/l Bacteria
EC50 other aquatic organisms 2	0,72 mg/l (Exposure time: 96 h - Species: Pseudokirchneriella subcapitata)
NOEC (acute)	44 mg/kg (Exposure time: 14 Days - Species: Eisenia foetida [soil dry weight])
NOEC (additional information)	NOEC, Daphnia : 1,01 mg/l (21d)

12.2. Persistence and degradability

Persistence and degradability : no data available

12.3. Bioaccumulative potential

Bioaccumulation : no data available

Partition coefficient: n-octanol/water : No data available

12.4. Mobility in soil

Mobility : No data available

12.5. Results of PBT and vPvB assessment

PBT/vPvB : This information is not available.

12.6. Other adverse effects

Further information : No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues / unused products : Handle with care.
See also section 7
Handling and storage
Do not flush into surface water or sanitary sewer system.
Do not let product enter drains.
Dispose of in accordance with local regulations.
Where possible recycling is preferred to disposal or incineration.
Collect and dispose of waste product at an authorised disposal facility.

Contaminated packaging : In accordance with local and national regulations.

Additional ecological information : Should not be released into the environment.

List of suggested waste codes/waste designations in accordance with the EWC: : Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.
The following Waste Codes are only suggestions:
150110* - packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

14.1. UN number

UN-No. : 1866

14.2. UN proper shipping name

Proper shipping name IATA/IMDG : IATA : RESIN SOLUTION

14.3. Transport hazard class(es)

14.3.1. Overland transport

ADR/RID : No good of class 3 according to ADR/RID chapter 2.2.3.1.5

14.3.2. Inland waterway transport (ADN)

No data available

14.3.3. Transport by sea

IMDG : If shipped by vessel in quantities LESS than 30L, IMDG 2.3.2.5 exception applies: Not regulated as a hazardous material.
State on shipping documents: "Transport in accordance with 2.3.2.5 of the IMDG code."

Class : -

Subsidiary Class : IATA : 3 - Flammable liquids

14.3.4. Air transport

Class : -

Subsidiary Class : IATA : 3 - Flammable liquids

14.4. Packing group

Packing group : III

14.5. Environmental hazards

Other information : No supplementary information available.

14.6 Special precautions for user

No data available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Restrictions on use	:
3. Liquid substances or mixtures, which are regarded as dangerous according to the definitions in Council Directive 67/548/EEC and Directive 1999/45/EC.	: Styrene - 1,1'-(p-tolylimino)dipropan-2-ol
40. Substances meeting the criteria of flammability in Directive 67/548/EEC and classified as flammable, highly flammable or extremely flammable regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	: Styrene
This product contains an ingredient according to the candidate list of Annex XIV of the REACH Regulation 1907/2006/EC.	: none
Authorisations	: Not applicable
Special rules on packaging	: Tactile warning of danger (EN/ISO 11683)

15.1.2. National regulations

DE : WGK	: 2
DE : German storage class (LGK)	: LGK 3 - Flammable liquid materials (Flashpoint < 55 °C)
DE : Risk classification according to VbF	: A II - Liquids with a flashpoint between 21°C and 55°C
FR : Installations classées	: 143X

15.2. Chemical safety assessment

Chemical Safety Assessment	: For the following substances of this mixture a chemical safety assessment has been carried out: Styrene Dibenzoyl peroxide

SECTION 16: Other information

Full text of R-, H- and EUH-phrases:

Acute Tox. 2 (Oral)	: Acute toxicity Category 2
Acute Tox. 4 (Inhalation:dust,mist)	: Acute toxicity Category 4
Aquatic Acute 1	: Hazardous to the aquatic environment - Aquatic Acute 1
Aquatic Chronic 3	: Hazardous to the aquatic environment - chronic hazard category 3
Asp. Tox. 1	: Aspiration hazard Category 1
Eye Dam. 1	: Serious eye damage/eye irritation Category 1
Eye Irrit. 2	: Serious eye damage/eye irritation Category 2
Flam. Liq. 3	: Flammable liquids Category 3
Org. Perox. B	: Organic peroxide Category B
Skin Irrit. 2	: skin corrosion/irritation Category 2

Skin Sens. 1	:	Skin sensitisation, hazard category 1
STOT RE 1	:	Specific target organ toxicity (repeated exposure) Category 1
STOT SE 3	:	Specific target organ toxicity (single exposure) Category 3
H226	:	Flammable liquid and vapour.
H241	:	Heating may cause a fire or explosion.
H300	:	Fatal if swallowed.
H304	:	May be fatal if swallowed and enters airways.
H315	:	Causes skin irritation.
H317	:	May cause an allergic skin reaction.
H318	:	Causes serious eye damage.
H319	:	Causes serious eye irritation.
H332	:	Harmful if inhaled.
H335	:	May cause respiratory irritation.
H372	:	Causes damage to organs through prolonged or repeated exposure.
H400	:	Very toxic to aquatic life.
H412	:	Harmful to aquatic life with long lasting effects.
R10	:	Flammable.
R20	:	Harmful by inhalation.
R25	:	Toxic if swallowed.
R3	:	Extreme risk of explosion by shock, friction, fire or other sources of ignition.
R36	:	Irritating to eyes.
R36/37/38	:	Irritating to eyes, respiratory system and skin.
R41	:	Risk of serious damage to eyes.
R43	:	May cause sensitisation by skin contact.
R48/20	:	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R50/53	:	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53	:	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	:	Harmful: may cause lung damage if swallowed.
R7	:	May cause fire.
E	:	Explosive
N	:	Dangerous for the environment
O	:	oxidizing
T	:	Toxic
Xi	:	Irritant
Xn	:	Harmful
Sources of key data used to compile the Safety Data Sheet	:	European Chemicals Bureau. ECHA website. SDS from supplier.
Abbreviations and acronyms	:	ADN = Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route CLP = Classification, Labelling and Packaging Regulation according to 1272/2008/EC IATA = International Air Transport Association IMDG = International Maritime Dangerous Goods Code LEL = Lower Explosive Limit/Lower Explosion Limit UEL = Upper Explosion Limit/Upper Explosive Limit REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals EC50 = Median Effective Concentration LC50 = Median lethal concentration LD50 = Median lethal dose not applicable TLV = Threshold limits TWA = time weighted average STEL = Short term exposure limit persistent, bioaccumulating and toxic (PBT). vPvB = very persistent and very bioaccumulating WGK = Wassergefährdungsklasse (Water Hazard Class under German Federal Water

Management Act)

The contents and format of this SDS are in accordance with EEC Commission Directive 1999/45/EC, 67/548/EC, 1272/2008/EC and EEC Commission Regulation 1907/2006/EC (REACH) Annex II.

DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.