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

1.1. Product identifier

Product form : Mixtures

Trade name/designation : Chemical anchor capsule SC-PRO – M8, M10, M12, M16, M20, M24, M30

Product group : Trade product

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 : Building and construction work

1.2.2. Uses advised against

No data available

1.3. Details of the supplier of the safety data sheet

DEWALT
Richard Klinger Str. 11,
D-65510, Idstein
Germany
http://anchors.dewalt.com
www.DEWALT.eu

1.4. Emergency telephone number

Emergency number : CHEMTREC: +1 703-527-3887 (24h)
(Regional Emergency Contact Information can be found on last 2 pages)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flam. Liq. 3	H226
Acute Tox. 4 (Oral)	H302
Skin Irrit. 2	H315
Eye Irrit. 2	H319
Skin Sens. 1	H317
Repr. 1B	H360D
STOT RE 1	H372

Full text of hazard classes and H-statements : see section 16

2.2. Label elements

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

Hazard pictograms (CLP) :

GHS02 GHS07 GHS08

Signal word : Danger

Hazardous ingredients : Styrene; 1,1'-(p-tolylimino)dipropan-2-ol; dicyclohexyl phthalate; Dibenzoyl peroxide

Hazard statements (CLP) : H226 - Flammable liquid and vapour.
H302 - Harmful if swallowed.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H360D - May damage the unborn child.
H372 - Causes damage to organs through prolonged or repeated exposure.

Precautionary statements (CLP) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 - IF ON SKIN (or hair): 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.

2.3. Other hazards

Other hazards : PBT/vPvB data : 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 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 Repr. 2, H361d STOT SE 3, H335 STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Chronic 3, H412
dicyclohexyl phthalate	(CAS-No.) 84-61-7 (EC-No.) 201-545-9 (EC Index) 607-719-00-4	0 - 1,5	Skin Sens. 1, H317 Repr. 1B, H360D
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 (M=10)
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 H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

Additional advice : First aider: Pay attention to self-protection. See also section 8. Never give anything by mouth to an unconscious person or a person with cramps. Show this safety data sheet to the doctor in attendance. Treat symptomatically.

Inhalation : Provide fresh air. Put victim at rest, cover with a blanket and keep warm. In case of doubt or persistent symptoms, consult always a physician.

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

Eyes contact	:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. In case of doubt or persistent symptoms, consult always a physician.
Ingestion	:	Get medical advice/attention.

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 an allergic skin reaction.
Eyes contact	:	Causes serious eye irritation.
Ingestion	:	Harmful if swallowed.
Chronic symptoms	:	Causes damage to organs through prolonged or repeated exposure. May damage the unborn child.

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

No data available

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media	:	Water spray, Alcohol resistant foam, Carbon dioxide, Dry extinguishing powder.
Unsuitable extinguishing media	:	Strong water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards	:	Flammable liquid and vapour. Hazardous decomposition products COx. Do not allow run-off from fire-fighting to enter drains or water courses.

5.3. Advice for firefighters

Firefighting instructions	:	Special protective equipment for firefighters. Use water spray or fog for cooling exposed containers. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not allow run-off from fire-fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

For non-emergency personnel	:	Evacuate personnel to a safe area. Use personal protective equipment as required. Reference to other sections: 8. Provide adequate ventilation. Avoid contact with skin, eyes and clothing. Do not breathe vapours/dust. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ensure equipment is adequately earthed. Take precautionary measures against static discharges.

6.1.2. For emergency responders

For emergency responders	:	Ensure procedures and training for emergency decontamination and disposal are in place. Concerning personal protective equipment to use, see section 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	:	Stop leak if safe to do so. Take up mechanically and collect in suitable container for disposal. Collect in closed and suitable containers for disposal. Dam up. Dispose of contaminated materials in accordance with current regulations.

6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Use only in well ventilated areas. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8 . Avoid contact with skin, eyes and clothing. Do not breathe vapour/aerosol. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Handle and open container with care. After use replace the closing cap immediately. Ensure proper process control to avoid excess waste discharge (temperature, concentration, pH, time). Do not allow to enter into surface water or drains. Take any precaution to avoid mixing with combustibles/... See also section 10 .

Hygiene measures : Keep good industrial hygiene. Wash hands and face before breaks and immediately after handling of the product. Take off contaminated clothing.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep container tightly closed in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. 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

Styrene (100-42-5)		
Austria	MAK (mg/m³)	85 mg/m³
Austria	MAK (ppm)	20 ppm
Austria	MAK Short time value (mg/m³)	340 mg/m³
Austria	MAK Short time value (ppm)	80 ppm
Belgium	Limit value (mg/m³)	108 mg/m³
Belgium	Limit value (ppm)	25 ppm
Belgium	Short time value (mg/m³)	346 mg/m³
Belgium	Short time value	80 ppm
Bulgaria	OEL TWA (mg/m³)	85 mg/m³
Bulgaria	OEL STEL (mg/m³)	215 mg/m³
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	430 mg/m³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	100 ppm
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m³)	1080 mg/m³
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	250 ppm
Czech Republic	Expoziční limity (PEL) (mg/m³)	100 mg/m³
Denmark	Grænseværdie (ceiling) (ppm)	25 ppm
Denmark	Grænseværdie (ceiling) (mg/m³)	105 mg/m³
Estonia	OEL TWA (mg/m³)	90 mg/m³
Estonia	OEL TWA (ppm)	20 ppm
Estonia	OEL STEL (mg/m³)	200 mg/m³
Estonia	OEL STEL (ppm)	50 ppm
Finland	HTP-arvo (8h) (mg/m³)	86 mg/m³
Finland	HTP-arvo (8h) (ppm)	20 ppm

Styrene (100-42-5)		
Finland	HTP-arvo (15 min)	430 mg/m³
Finland	HTP-arvo (15 min) (ppm)	100 ppm
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 Parameter: Mandelic acid plus Phenylglyoxylic acid - Medium: urine - Sampling time: end of shift (measured as mg/g Creatinine) 600 mg/g Parameter: Mandelic acid plus Phenylglyoxylic acid - Medium: urine - Sampling time: end of several shifts (measured as mg/g Creatinine)
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
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
Latvia	OEL TWA (mg/m³)	10 mg/m³
Lithuania	IPRV (mg/m³)	90 mg/m³
Lithuania	IPRV (ppm)	20 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
Poland	NDS (mg/m³)	50 mg/m³
Poland	NDSCh (mg/m³)	100 mg/m³
Portugal	OEL TWA (ppm)	20 ppm
Portugal	OEL STEL (ppm)	40 ppm
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
Slovenia	OEL TWA (mg/m³)	86 mg/m³

Styrene (100-42-5)		
Slovenia	OEL TWA (ppm)	20 ppm
Slovenia	OEL STEL (mg/m³)	344 mg/m³
Slovenia	OEL STEL (ppm)	80 ppm
Spain	VLA-ED (mg/m³)	86 mg/m³ (endocrine disruptor)
Spain	VLA-ED (ppm)	20 ppm (endocrine disruptor)
Spain	VLA-EC (mg/m³)	172 mg/m³
Spain	VLA-EC (ppm)	40 ppm
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
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
Norway	Grenseverdier (AN) (mg/m³)	105 mg/m³
Norway	Grenseverdier (AN) (ppm)	25 ppm
Norway	Grenseverdier (Korttidsverdi) (mg/m3)	131,25 mg/m³ (value calculated)
Norway	Grenseverdier (Korttidsverdi) (ppm)	37,5 ppm (value calculated)
Switzerland	VME (mg/m³)	85 mg/m³
Switzerland	VME (ppm)	20 ppm
Switzerland	VLE (mg/m³)	170 mg/m³
Switzerland	VLE (ppm)	40 ppm
Australia	TWA (mg/m³)	213 mg/m³
Australia	TWA (ppm)	50 ppm
Australia	STEL (mg/m³)	426 mg/m³
Australia	STEL (ppm)	100 ppm
Canada (Quebec)	VECD (mg/m³)	426 mg/m³
Canada (Quebec)	VECD (ppm)	100 ppm
Canada (Quebec)	VEMP (mg/m³)	213 mg/m³
Canada (Quebec)	VEMP (ppm)	50 ppm
USA - ACGIH	ACGIH TWA (ppm)	20 ppm
USA - ACGIH	ACGIH STEL (ppm)	40 ppm
USA - IDLH	US IDLH (ppm)	700 ppm
USA - NIOSH	NIOSH REL (TWA) (mg/m³)	215 mg/m³
USA - NIOSH	NIOSH REL (TWA) (ppm)	50 ppm
USA - NIOSH	NIOSH REL (STEL) (mg/m³)	425 mg/m³
USA - NIOSH	NIOSH REL (STEL) (ppm)	100 ppm
USA - OSHA	OSHA PEL (TWA) (ppm)	100 ppm
USA - OSHA	OSHA PEL (Ceiling) (ppm)	200 ppm

dicyclohexyl phthalate (84-61-7)		
Austria	MAK (mg/m³)	5 mg/m³
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	5 mg/m³
Denmark	Grænseværdie (langvarig) (mg/m³)	3 mg/m³

dicyclohexyl phthalate (84-61-7)		
Ireland	OEL (8 hours ref) (mg/m³)	5 mg/m³
Ireland	OEL (15 min ref) (mg/m3)	15 mg/m³ (calculated)
Slovenia	OEL TWA (mg/m³)	5 mg/m³
United Kingdom	WEL TWA (mg/m³)	5 mg/m³
United Kingdom	WEL STEL (mg/m³)	15 mg/m³ (calculated)

Dibenzoyl peroxide (94-36-0)		
Austria	MAK (mg/m³)	5 mg/m³ (inhalable fraction)
Austria	MAK Short time value (mg/m³)	10 mg/m³ (inhalable fraction)
Belgium	Limit value (mg/m³)	5 mg/m³
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	5 mg/m³
Czech Republic	Expoziční limity (PEL) (mg/m³)	5 mg/m³
Denmark	Grænseværdie (langvarig) (mg/m³)	5 mg/m³
Estonia	OEL TWA (mg/m³)	5 mg/m³
Finland	HTP-arvo (8h) (mg/m³)	5 mg/m³
Finland	HTP-arvo (15 min)	10 mg/m³
France	VME (mg/m³)	5 mg/m³
Germany	TRGS 900 Occupational exposure limit value (mg/m³)	5 mg/m³ (inhalable fraction)
Greece	OEL TWA (mg/m³)	5 mg/m³
Hungary	AK-érték	5 mg/m³
Hungary	CK-érték	5 mg/m³
Ireland	OEL (8 hours ref) (mg/m³)	5 mg/m³
Ireland	OEL (15 min ref) (mg/m3)	15 mg/m³ (calculated)
Poland	NDS (mg/m³)	5 mg/m³
Poland	NDSCh (mg/m³)	10 mg/m³
Portugal	OEL TWA (mg/m³)	5 mg/m³
Slovakia	NPHV (priemerná) (mg/m³)	5 mg/m³
Slovakia	NPHV (Hraničná) (mg/m³)	5 mg/m³
Slovenia	OEL TWA (mg/m³)	5 mg/m³ (inhalable fraction)
Slovenia	OEL STEL (mg/m³)	5 mg/m³ (inhalable fraction)
Spain	VLA-ED (mg/m³)	5 mg/m³
United Kingdom	WEL TWA (mg/m³)	5 mg/m³
United Kingdom	WEL STEL (mg/m³)	15 mg/m³ (calculated)
Norway	Grenseverdier (AN) (mg/m³)	5 mg/m³
Norway	Grenseverdier (Korttidsverdi) (mg/m3)	10 mg/m³ (value calculated)
Switzerland	VME (mg/m³)	5 mg/m³ (inhalable dust)
Switzerland	VLE (mg/m³)	5 mg/m³ (inhalable dust)
Australia	TWA (mg/m³)	5 mg/m³
Canada (Quebec)	VEMP (mg/m³)	5 mg/m³
USA - ACGIH	ACGIH TWA (mg/m³)	5 mg/m³
USA - IDLH	US IDLH (mg/m³)	1500 mg/m³
USA - NIOSH	NIOSH REL (TWA) (mg/m³)	5 mg/m³
USA - OSHA	OSHA PEL (TWA) (mg/m³)	5 mg/m³

Additional information : Concentration measurement in air. Personal monitoring

8.2. Exposure controls

Engineering measure(s) : Use only in area provided with appropriate exhaust ventilation. Take precautionary measures against static discharge. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Organisational measures to prevent /limit releases, dispersion and exposure. See also section 7.

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.

Hand protection : Chemical resistant gloves (according to European standard NF EN 374 or equivalent). Impervious gloves. 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. Breakthrough time : hours (>8). VITON gloves. Thickness of the glove material: 0,7 mm. Breakthrough time : hours (>2). Butyl rubber. Breakthrough time : hours (<1). Chloroprene. Nitrile rubber. Thickness 0,11 mm

Eye protection : Chemical goggles or safety glasses (EN 166)

Body protection : Wear suitable protective clothing

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment. Full face mask (EN 136). Half-face mask (DIN EN 140). Filter type: A (EN 141).

Thermal hazard protection : Not required for normal conditions of use.

Environmental exposure controls : Do not allow to enter into surface water or drains. Comply with applicable Community environmental protection legislation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: liquid
Appearance	: capsules.
Colour	: Colourless.
Odour	: characteristic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting / freezing point	: No data available
Freezing point	: No data available
Initial boiling point and boiling range	: No data available
Flash point	: 33 °C Resin
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Vapour density	: No data available
Relative density	: No data available
Solubility	: No data available. Water: Insoluble
Partition coefficient n-octanol/water	: No data available

Kinematic viscosity	:	No data available
Dynamic viscosity	:	390 - 490 mPa.s
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.
Oxidising 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.
Explosive limits	:	No data available

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Flammable liquid and vapour. Reference to other sections: 10.5.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

heat : Polymerisation can occur.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. See also section 7. Handling and storage.

10.5. Incompatible materials

Strong oxidizing agents. Strong bases. Strong acids. See also section 7. Handling and storage.

10.6. Hazardous decomposition products

Burning produces noxious and toxic fumes. (COx).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Oral: Harmful if swallowed.

ATE CLP (oral)	724,6376811594 mg/kg bodyweight

Styrene (100-42-5)	
LD50/oral/rat	1000 mg/kg
LC50/inhalation/4h/rat	11,8 mg/l

dicyclohexyl phthalate (84-61-7)	
LD50/oral/rat	30 ml/kg

Dibenzoyl peroxide (94-36-0)	
LD50/oral/rat	7710 mg/kg

Skin corrosion/irritation	:	Causes skin irritation. pH: No data available
Serious eye damage/irritation	:	Causes serious eye irritation. pH: No data available
Respiratory or 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	:	May damage the unborn child.
STOT-single exposure	:	Not classified (Based on available data, the classification criteria are not met.)

STOT-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.)
Other information	:	Symptoms related to the physical, chemical and toxicological characteristics. Reference to other sections: 4.2.

SECTION 12: Ecological information

12.1. Toxicity

Environmental properties : Ecological injuries are not known or expected under normal use.

Styrene (100-42-5)	
LC50 fish 1	3,24 - 4,99 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	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

Chemical anchor capsule SC-PRO – M8, M10, M12, M16, M20, M24, M30	
Persistence and degradability	No data available.

Styrene (100-42-5)	
Biodegradation	Readily biodegradable

12.3. Bioaccumulative potential

Chemical anchor capsule SC-PRO – M8, M10, M12, M16, M20, M24, M30	
Partition coefficient n-octanol/water	No data available
Bioaccumulative potential	No data available.

Styrene (100-42-5)	
BCF fish 1	13,5
Partition coefficient n-octanol/water	2,95
Bioaccumulative potential	Does not bioaccumulate.

12.4. Mobility in soil

Chemical anchor capsule SC-PRO – M8, M10, M12, M16, M20, M24, M30	
Mobility in soil	No data available
Ecology - soil	No data available.

Styrene (100-42-5)	
Log Koc	352 @ 20°C

12.5. Results of PBT and vPvB assessment

Chemical anchor capsule SC-PRO – M8, M10, M12, M16, M20, M24, M30	
Results of PBT assessment	No data available

12.6. Other adverse effects

Additional information : No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Handle with care. Safe handling: see section 7. Handling and storage. Do not allow to enter into surface water or drains. Dispose of contaminated materials in accordance with current regulations. Refer to manufacturer/supplier for information on recovery/recycling. Collect and dispose of waste product at an authorised disposal facility.

Additional information : In accordance with local and national regulations.

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

European waste catalogue (2001/573/EC, 75/442/EEC, 91/689/EEC) : 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

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	1866	Not applicable	Not applicable
14.2. UN proper shipping name				
RESIN SOLUTION	RESIN SOLUTION	Resin solution	RESIN SOLUTION	RESIN SOLUTION
14.3. Transport hazard class(es)				
3	3	3	3	3
Not applicable	Not applicable		Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	III	Not applicable	Not applicable
14.5. Environmental hazards				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available				

14.6. Special precautions for user

Special precautions for user : No data available

- Overland transport

Transport regulations (ADR) : No good of class 3 according to ADR/RID chapter 2.2.3.1.5

- Transport by sea

Transport regulations (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."

- Air transport

PCA Excepted quantities (IATA) : E1

PCA Limited quantities (IATA) : Y344

PCA limited quantity max net quantity (IATA) : 10L

PCA packing instructions (IATA) : 355

PCA max net quantity (IATA) : 60L
CAO packing instructions (IATA) : 366
CAO max net quantity (IATA) : 220L
Special provisions (IATA) : A3
ERG code (IATA) : 3L

- Inland waterway transport

Transport regulations (ADN) : Not applicable (cf. 2.2.3.1.5)

- Rail transport

Transport regulations (RID) : No good of class 3 according to ADR/RID chapter 2.2.3.1.5

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

Code: IBC : 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

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	Styrene - 1,1'-(p-tolylimino)dipropan-2-ol
3(a) 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 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	Styrene
3(b) 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	Styrene - 1,1'-(p-tolylimino)dipropan-2-ol
3(c) 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	Styrene - 1,1'-(p-tolylimino)dipropan-2-ol
40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	Styrene

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

France

No ICPE	Installations classées Désignation de la rubrique	Code Régime	Rayon
4331.text	Liquides inflammables de catégorie 2 ou catégorie 3 à l'exclusion de la rubrique 4330. La quantité totale susceptible d'être présente dans les installations y compris dans les cavités souterraines étant :		
4331.1	1. Supérieure ou égale à 1000 t Quantité seuil bas au sens de l'article R. 511-10 : 5 000 t. Quantité seuil haut au sens de l'article R. 511-10 : 50 000 t.	A	2

4331.2	2. Supérieure ou égale à 100 t mais inférieure à 1000 t Quantité seuil bas au sens de l'article R. 511-10 : 5 000 t. Quantité seuil haut au sens de l'article R. 511-10 : 50 000 t.	E	
4331.3	3. Supérieure ou égale à 50 t mais inférieure à 100 t Quantité seuil bas au sens de l'article R. 511-10 : 5 000 t. Quantité seuil haut au sens de l'article R. 511-10 : 50 000 t.	DC	

Germany

VwVwS Annex reference : Water hazard class (WGK) 2, hazard to waters (Classification according to VwVwS, Annex 4)

Risk classification according to VbF : A II - Liquids with a flashpoint between 21°C and 55°C

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

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

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

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 : Styrene,dicyclohexyl phthalate are listed

Denmark

Class for fire hazard : Class II-1

Store unit : 5 liter

Classification remarks : R10 <H226;H302;H315;H317;H319;H360D;H372>; Emergency management guidelines for the storage of flammable liquids must be followed

Recommendations Danish Regulation : 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

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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

SECTION 16: Other information

Indication of changes:

Safety datasheet sections which have been updated : 1-2-3-4-8-11-12-14-15-16.

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)

Sources of key data used to compile the datasheet : European Chemicals Bureau. ECHA website. SDS from supplier.

Other information : Assessment/classification CLP. Article No.: 9. Calculation method.

Full text of H- and EUH-statements:

Acute Tox. 2 (Oral)	Acute toxicity Category 2
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity Category 4
Acute Tox. 4 (Oral)	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 Peroxides, Type B
Repr. 1B	Reproductive toxicity, Category 1B
Repr. 2	Reproductive toxicity, Hazard Category 2
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, Respiratory tract irritation
H226	Flammable liquid and vapour.
H241	Heating may cause a fire or explosion.
H300	Fatal if swallowed.
H302	Harmful 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.
H360D	May damage the unborn child.
H361d	Suspected of damaging the unborn child.
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.

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Classification according to Regulation (EC) No. 1272/2008 [CLP]
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

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