

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 SDS Ref. (EU): HBPORED Date of issue: 20/04/2015 Revision date: 14/10/2019 Supersedes: 20/08/2019 Version: 7.5

SECTION 1.1	dentification of the subst	ance/mixture and of the	company/undertaking		
1.1. Product id			oompany/anacitaking		
Product form		: Mixture			
Trade name		: BPO HARDENER			
Type of product		: Hardener			
Product group		: BPO Hardener	: BPO Hardener		
1.2. Relevant i	dentified uses of the substa	nce or mixture and uses a	dvised against		
1.2.1. Relevant i	dentified uses				
Industrial/Profess	ional use spec	: Industrial For professional use only			
Function or use c	ategory	: Hardener (Crosslinker)			
1.2.2. Uses advis	sed against				
	ormation available				
1.3. Details of	the supplier of the safety da	ta sheet			
U-POL LIMITED					
Denington Road,					
Northants. NN8 2 T +44 (0) 1933 23					
	@u-pol.com - www.u-pol.com				
1.4. Emergenc	y telephone number				
Emergency numb		: CHEMTREC - +44 (0) 870 820	00418 (24 hrs)		
Country	Organisation/Company	Address	Emergency number	Comment	
Ireland	National Poisons Information	PO Box 1297	+353 1 809 2566 (Healthcare		
	Centre	Beaumont Road	professionals-24/7)		
	Beaumont Hospital	9 Dublin	+353 1 809 2166 (public, 8am - 10pm, 7/7)		
United Kingdom	NHS	-	Call 111 or a Doctor	In Northern Ireland, contact	
5	England, Scotland & Wales			your local GP or pharmacist	
				during normal hours	
				(www.gpoutofhours.hscni.ne	

SECTION 2: Hazards identification		
2.1. Classification of the substance or mixture		
Classification according to Regulation (EC) No. 1272/2008 [CLP]		

Organic Peroxides, Type E	H242
Serious eye damage/eye irritation, Category 2	H319
Skin sensitisation, Category 1	H317
Hazardous to the aquatic environment — Acute Hazard, Category 1	H400
Hazardous to the aquatic environment — Chronic Hazard, Category 1	H410
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. Very toxic to aquatic life. 2.2. Label elements

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

Signal word (CLP) Hazardous ingredients Hazard statements (CLP)

- GHS02 GHS07 GHS09
- : Warning
- : dibenzoyl peroxide; benzoyl peroxide
- : H242 Heating may cause a fire.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H410 Very toxic to aquatic life with long lasting effects.

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Precautionary statements (CLP)	: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources	
	No smoking.	
	P234 - Keep only in original packaging.	
	P261 - Avoid breathing fume, vapours.	
	P280 - Wear eye protection, protective clothing, protective gloves.	
	P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention.	
	P362+P364 - Take off contaminated clothing and wash it before reuse.	
	P391 - Collect spillage.	
	P403+P235 - Store in a well-ventilated place. Keep cool.	
Labelling according to: exemption for packa	ges of a capacity of 125ml or less	
Hazard pictograms (CLP)		
	GHS02 GHS07 GHS09	
Signal word (CLP)	: Warning	
Hazardous ingredients	: dibenzoyl peroxide; benzoyl peroxide	
Hazard statements (CLP)	: H317 - May cause an allergic skin reaction.	
Precautionary statements (CLP)	: P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse.	

### 2.3. Other hazards

No additional information available

## **SECTION 3: Composition/information on ingredients**

3.1. Substances

#### Not applicable 3.2. Mixtures

J.2. MIACUIES			
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
dibenzoyl peroxide; benzoyl peroxide	(CAS-No.) 94-36-0 (EC-No.) 202-327-6 (EC Index-No.) 617-008-00-0	25 - 75	Org. Perox. B, H241 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
ethanediol; ethylene glycol	(CAS-No.) 107-21-1 (EC-No.) 203-473-3 (EC Index-No.) 603-027-00-1	0.1 - 10	Acute Tox. 4 (Oral), H302

Full text of H-statements: see section 16

4.1. Description of first aid measures	
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.
4.2. Most important symptoms and eff	ects, both acute and delayed
Symptoms/effects after skin contact	: May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Eye irritation.
4.3. Indication of any immediate medi	cal attention and special treatment needed
Treat symptomatically.	

SECTION 5: Firefighting measures			
5.1. Extinguishing media			
Suitable extinguishing media	: Water spray. Dry powder. Foam.		
5.2. Special hazards arising from the substance or mixture			
Hazardous decomposition products in case of fire	: Carbon monoxide. Carbon dioxide. Benzene.		

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5.3. Advice for firefighters	
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Other information	: Use fire control measures appropriate for the surrounding fire. Exposure to fire and heat radiation may cause gas receptacles to rupture. Cool endangered receptacles with water spray jet from a protected position. Prevent water used in emergency cases from entering sewers and drainage systems.

SECTION 6: Accidental release measur 6.1. Personal precautions, protective equip		
6.1.1. For non-emergency personnel		
Protective equipment	: Safety glasses. Protective clothing. Gloves.	
Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing vapours, fume.	
6.1.2. For emergency responders		
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".	
6.2. Environmental precautions		
Avoid release to the environment.		
6.3. Methods and material for containment a	and cleaning up	
For containment	: Do not allow to dry. Collect spillage.	
Methods for cleaning up	: Mechanically recover the product.	
Other information	: Ensure adequate ventilation. Dispose of materials or solid residues at an authorized site.	
6.4. Reference to other sections For further information refer to section 13.		

SECTION 7: Handling and storage			
7.1. Precautions for safe handling			
Precautions for safe handling	: Ensure good ventilation of the work station. Take precautions against electrostatic charges. Avoid contact with skin and eyes. Avoid breathing vapours, fume. Wear personal protective equipment.		
Hygiene measures	: Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.		
7.2. Conditions for safe storage, including	ng any incompatibilities		
Storage conditions	: Store in a well-ventilated place. Keep cool.		
Storage temperature	: 5 - 25 °C (reccomended)		
Storage area	: Store in a well-ventilated place.		
Special rules on packaging	: Keep only in original container.		
7.3. Specific end use(s)	7.3. Specific end use(s)		

No additional information available

SECTION 8: Exposure controls/personal protection 8.1. Control parameters				
BPO HARDENER				
United Kingdom	Local name	Dibenzoyl peroxide		
United Kingdom	WEL TWA (mg/m³)	5 mg/m³		
ethanediol; ethylene glyco	ol (107-21-1)			
EU	Local name	Ethylene glycol		
EU	IOELV TWA (mg/m <sup>3</sup> )	52 mg/m³		
EU	IOELV TWA (ppm)	20 ppm		
EU	IOELV STEL (mg/m³)	104 mg/m³		
EU	IOELV STEL (ppm)	40 ppm		
EU	Notes	Skin		
EU	Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC		
Ireland	Local name	Ethane-1,2-diol		
Ireland	OEL (8 hours ref) (mg/m <sup>3</sup> )	10 mg/m³ particulate 52 mg/m³ vapour		

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ethanediol; ethylene glycol (107-21-1)		
Ireland	OEL (8 hours ref) (ppm)	20 ppm vapour
Ireland	OEL (15 min ref) (mg/m3)	104 mg/m³ vapour
Ireland	OEL (15 min ref) (ppm)	40 ppm vapour
Ireland	Notes (IE)	Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body), IOELV (Indicative Occupational Exposure Limit Values)
Ireland	Regulatory reference	Code of Practice for the Chemical Agents Regulations 2018
United Kingdom	Local name	Ethane-1,2-diol
United Kingdom	WEL TWA (mg/m³)	10 mg/m³ 52 mg/m³
United Kingdom	WEL TWA (ppm)	20 ppm
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	104 mg/m <sup>3</sup>
United Kingdom	WEL STEL (ppm)	40 ppm
United Kingdom	Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
United Kingdom	Regulatory reference	EH40/2005 (Third edition, 2018). HSE

Exposure limit values for the other components

dimethyl phthalate (131-11-3)			
Ireland	Local name	Dimethyl phthalate	
Ireland	OEL (8 hours ref) (mg/m <sup>3</sup> )	5 mg/m³	
Ireland	OEL (15 min ref) (mg/m3)	10 mg/m <sup>3</sup>	
Ireland	Regulatory reference	Code of Practice for the Chemical Agents Regulations 2018	
United Kingdom	Local name	Dimethyl phthalate	
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	5 mg/m³	
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>	
United Kingdom	Regulatory reference	EH40/2005 (Third edition, 2018). HSE	

BPO HARDENER		
DNEL/DMEL (Workers)		
Long-term - systemic effects, dermal	13.3 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	39 mg/m³	
DNEL/DMEL (General population)		
Acute - systemic effects, oral	2 mg/kg bodyweight	
PNEC (Water)		
PNEC aqua (freshwater)	0.00002 mg/l	
PNEC aqua (marine water)	0.000002 mg/l	
PNEC aqua (intermittent, freshwater)	0.000602 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	0.0127 mg/kg dwt	
PNEC sediment (marine water)	0.00127 mg/kg dwt	
PNEC (Soil)		
PNEC soil	0.0025 mg/kg dwt	

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BPO HARDENER		
PNEC (STP)		
PNEC sewage treatment plant	0.35 mg/l	
8.2. Exposure controls		

Appropriate engineering controls: Ensure good ventilation of the work station.

## Personal protective equipment:

Gloves. Protective clothing. Safety glasses.

#### Materials for protective clothing: Impermeable clothing Hand protection: Protective gloves Туре Material Permeation Thickness (mm) Penetration Standard Protective gloves Neoprene rubber 2 (> 30 minutes) EN 374-3 ≥0.14mm (HNBR), Nitrile rubber (NBR) Eye protection: Safety glasses Skin and body protection: Wear suitable protective clothing **Respiratory protection:** Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

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



## Environmental exposure controls:

Avoid release to the environment.

9.1. Information on basic physical and c		
Physical state	: Solid	
Appearance	: Paste.	
Colour	: Various.	
Odour	: characteristic.	
Odour threshold	: No data available	
рН	: No data available	
Relative evaporation rate (butylacetate=1)	: No data available	
Melting point	: No data available	
Freezing point	: Not applicable	
Boiling point	: No data available	
Flash point	: Not applicable	
Auto-ignition temperature	: Not applicable	
Decomposition temperature	: No data available	
Flammability (solid, gas)	: May cause fire	
Vapour pressure	: No data available	
Relative vapour density at 20 °C	: No data available	
Relative density	: Not applicable	
Density	: ≈ 1.1 g/cm³	
Solubility	: insoluble in water.	

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Log Pow	: No data available	
Viscosity, kinematic	: No data available	
Viscosity, dynamic	: No data available	
Explosive properties	: No data available	
Oxidising properties	: No data available	
Explosive limits	: Not applicable	
9.2. Other information		
SADT	: 50 °C	
VOC content	: 0 g/l	

SECTION 10: Stability and reactivity
10.1. Reactivity
The product is non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability
SADT.
10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.
10.4. Conditions to avoid
None under recommended storage and handling conditions (see section 7).
10.5. Incompatible materials
No additional information available
10.6. Hazardous decomposition products
Benzene.

<b>SECTION 11: Toxicological information</b>	
11.1. Information on toxicological effects	
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
dimethyl phthalate (131-11-3)	
LD50 oral rat	8200 mg/kg bodyweight (Rat, Experimental value, Oral)
LD50 dermal rabbit	> 12000 mg/kg bodyweight (Rabbit, Experimental value, Dermal)
LC50 inhalation rat (mg/l)	> 10.4 mg/l (6 h, Rat, Experimental value, Inhalation (vapours))

ethanediol; ethylene glycol (107-21-1	)
LD50 oral rat	7712 mg/kg bodyweight (according to BASF-internal standards, Rat, Male / female, Experimental value, Aqueous solution, Oral, 7 day(s))
LD50 dermal	> 3500 mg/kg bodyweight (Mouse, Male / female, Experimental value, Dermal)
LC50 inhalation rat (mg/l)	> 2.5 mg/l (6 h, Rat, Male / female, Experimental value, Inhalation (aerosol))
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 classified
Carcinogenicity	: Not classified

dibenzoyl peroxide; benzoyl peroxide (94-36-0)		
IARC group	3 - Not classifiable	
Reproductive toxicity	: Not classified	
	: Not classified	
STOT-repeated exposure	: Not classified	
Aspiration hazard	: Not classified	

<b>SECTION 12: Ecological</b>	nformation	
12.1. Toxicity		
Ecology - general	: Very toxic to aquatic life.	

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Hazardous to the aquatic environment, short-term (acute)	: Very toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic)	: Very toxic to aquatic life with long lasting effects.
ethanediol; ethylene glycol (107-21-1)	
LC50 fish 1	40761 mg/l (96 h, Salmo gairdneri, Static system)
EC50 Daphnia 1	> 10000 mg/l (24 h, Daphnia magna)
EC50 96h algae (1)	6.5 - 13 g/l (Selenastrum capricornutum, Growth)
12.2. Persistence and degradability	
ethanediol; ethylene glycol (107-21-1)	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0.47 g O <sub>2</sub> /g substance
Chemical oxygen demand (COD)	1.24 g O <sub>2</sub> /g substance
ThOD	1.29 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.36
12.3. Bioaccumulative potential	
ethanediol; ethylene glycol (107-21-1)	
BCF fish 1	10 (72 h, Leuciscus idus)
BCF other aquatic organisms 1	0.21 - 0.6 (Procambarus sp., Chronic)
BCF other aquatic organisms 2	190 (24 h, Algae)
Log Pow	-1.34 (Experimental value)
Bioaccumulative potential	Not bioaccumulative.
12.4. Mobility in soil	
ethanediol; ethylene glycol (107-21-1)	
Surface tension	48 mN/m (20 °C)
Ecology - soil	No (test)data on mobility of the substance available.
12.5. Results of PBT and vPvB assessment	
Component	
ethanediol; ethylene glycol (107-21-1)	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	

SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
Regional legislation (waste)	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information In accordance with ADR / RID / IMDG / IATA / ADN				
ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number				
3108	3108	3108	3108	3108
14.2. UN proper shipping name				
ORGANIC PEROXIDE TYPE E, SOLID	ORGANIC PEROXIDE TYPE E, SOLID	Organic peroxide type e, solid	ORGANIC PEROXIDE TYPE E, SOLID	ORGANIC PEROXIDE TYPE E, SOLID

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Transport document description	on					
SOLID, 5.2, (D), ENVIRONMENTALLY PO	UN 3108 ORGANIC PEROXIDE TYPE E, SOLID, 5.2, MARINE DLUTANT/ENVIRONME NTALLY HAZARDOUS	UN 3108 Organic peroxide type e, solid, 5.2, ENVIRONMENTALLY HAZARDOUS	UN 3108 ORGANIC PEROXIDE TYPE E, SOLID, 5.2, ENVIRONMENTALLY HAZARDOUS	UN 3108 ORGANIC PEROXIDE TYPE E, SOLID, 5.2, ENVIRONMENTALLY HAZARDOUS		
14.3. Transport hazard class	s(es)	-				
5.2	5.2	5.2	5.2	5.2		
52	52	5.2	52	52		
14.4. Packing group						
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable		
14.5. Environmental hazard						
	-					
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 av	vailable					
14.6. Special precautions fo						
Overland transport						
Classification code (ADR)	: P'	1				
Special provisions (ADR)	: 12	22, 274				
Limited quantities (ADR)		)0g				
Excepted quantities (ADR)		: E0				
Packing instructions (ADR)	: Pt	: P520				
Mixed packing provisions (ADR)		: MP4				
Transport category (ADR)		: 2				
Special provisions for carriage - Packages (ADR)		: V1				
Special provisions for carriage - Loading, unloading and handling (ADR)		: CV15, CV22, CV24				
Tunnel restriction code (ADR)			: D			
EAC code						
EAC code	: D : 1V	V				
EAC code Transport by sea		V				
	: 1\	V 22, 274				
Transport by sea	: 1\	22, 274				
Transport by sea Special provisions (IMDG)	: 1\ : 12	22, 274 520				
Transport by sea Special provisions (IMDG) Packing instructions (IMDG)	: 1\ : 12 : P{	22, 274 520 J				
Transport by sea Special provisions (IMDG) Packing instructions (IMDG) EmS-No. (Fire)	: 1\ : 12 : P\$ : F-	22, 274 520 J				
Transport by sea Special provisions (IMDG) Packing instructions (IMDG) EmS-No. (Fire) EmS-No. (Spillage)	: 1\ : 12 : P{ : F- : S-	22, 274 520 J R				
Transport by sea Special provisions (IMDG) Packing instructions (IMDG) EmS-No. (Fire) EmS-No. (Spillage) Stowage category (IMDG) Stowage and handling (IMDG) Segregation (IMDG)	: 1V : 12 : PS : F- : S- : D : SV : SV : SO	22, 274 520 J R				
Transport by sea Special provisions (IMDG) Packing instructions (IMDG) EmS-No. (Fire) EmS-No. (Spillage) Stowage category (IMDG) Stowage and handling (IMDG)	: 1V : 12 : P5 : F- : S- : D : SV : SO OG) : De wa	22, 274 520 J R				
Transport by sea Special provisions (IMDG) Packing instructions (IMDG) EmS-No. (Fire) EmS-No. (Spillage) Stowage category (IMDG) Stowage and handling (IMDG) Segregation (IMDG)	: 1V : 12 : P5 : F- : S- : D : SV : SO OG) : De wa	22, 274 520 J R W1 G35, SG36 ecomposes at elevated temper ater. Contact with the eyes and				
Transport by sea Special provisions (IMDG) Packing instructions (IMDG) EmS-No. (Fire) EmS-No. (Spillage) Stowage category (IMDG) Stowage and handling (IMDG) Segregation (IMDG) Properties and observations (IME	: 1V : 12 : P5 : F- : S- : D : SV : SO OG) : De wa	22, 274 520 J R W1 G35, SG36 ecomposes at elevated temper ater. Contact with the eyes and mes.				
Transport by sea Special provisions (IMDG) Packing instructions (IMDG) EmS-No. (Fire) EmS-No. (Spillage) Stowage category (IMDG) Stowage and handling (IMDG) Segregation (IMDG) Properties and observations (IME Air transport	: 1V : 12 : P5 : F- : S : D : SV : S OG) : De wa fu : E(	22, 274 520 J R W1 G35, SG36 ecomposes at elevated temper ater. Contact with the eyes and mes.				
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Transport by sea Special provisions (IMDG) Packing instructions (IMDG) EmS-No. (Fire) EmS-No. (Spillage) Stowage category (IMDG) Stowage and handling (IMDG) Segregation (IMDG) Properties and observations (IME Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA)	: 1V : 12 : P5 : F- : S- : D : SV : S0 : S0 : D6 : S0 : D6 : Wa fu : : E0 : Fo	22, 274 520 J R W1 G35, SG36 ecomposes at elevated temper ater. Contact with the eyes and mes.				
Transport by sea Special provisions (IMDG) Packing instructions (IMDG) EmS-No. (Fire) EmS-No. (Spillage) Stowage category (IMDG) Stowage and handling (IMDG) Segregation (IMDG) Properties and observations (IMD Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net quar	: 1V : 12 : P5 : F- : S- : D : SV : SC : SC : SC : SC : SC : SC : SC : SC	22, 274 520 J R W1 G35, SG36 ecomposes at elevated temper ater. Contact with the eyes and mes.				
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Transport by sea Special provisions (IMDG) Packing instructions (IMDG) EmS-No. (Fire) EmS-No. (Spillage) Stowage category (IMDG) Stowage and handling (IMDG) Segregation (IMDG) Properties and observations (IME Air transport PCA Excepted quantities (IATA) PCA Limited quantities (IATA) PCA limited quantity max net qua PCA packing instructions (IATA) PCA max net quantity (IATA)	: 1V : 12 : P& : F- : S- : D : SV : S( : S( : S( : S( : S( : S( : S( : S(	22, 274 520 J R W1 G35, SG36 ecomposes at elevated temper ater. Contact with the eyes and mes. D orbidden orbidden 70 0 kg				
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	• • • •
Inland waterway transport	
Classification code (ADN)	: P1
Special provisions (ADN)	: 122, 274
Limited quantities (ADN)	: 500 g
Excepted quantities (ADN)	: E0
Equipment required (ADN)	: PP, EX, A
Ventilation (ADN)	: VE01
Number of blue cones/lights (ADN)	: 0
Rail transport	
Classification code (RID)	: P1
Special provisions (RID)	: 122, 274
Limited quantities (RID)	: 500g
Excepted quantities (RID)	: E0
Packing instructions (RID)	: P520
Mixed packing provisions (RID)	: MP4
Transport category (RID)	: 2
Special provisions for carriage – Packages (RID)	: W7
Special provisions for carriage - Loading, unloading and handling (RID)	: CW22, CW24, CW29
Colis express (express parcels) (RID)	: CE10
Hazard identification number (RID)	: 539

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

Contains no REACH substances with Annex XVII restrictions Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances

VOC content	: 0 g/l
Directive 2012/18/EU (SEVESO III)	

15.1.2. National regulations No additional information available

**15.2. Chemical safety assessment** No chemical safety assessment has been carried out

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

Full text of H- and EUH-statements:		
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1	
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Org. Perox. B	Organic Peroxides, Type B	
Org. Perox. E	Organic Peroxides, Type E	
Skin Sens. 1	Skin sensitisation, Category 1	
H241	Heating may cause a fire or explosion.	
H242	Heating may cause a fire.	
H302	Harmful if swallowed.	
H317	May cause an allergic skin reaction.	
H319	Causes serious eye irritation.	
H400	Very toxic to aquatic life.	
20/04/2015 (Version: 1.0)	EN (English) 9/	

### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

H410

Very toxic to aquatic life with long lasting effects.

### SDS EU (REACH Annex II)

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