Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 13.07.2015 V- 1 Revision: 12.06.2015

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

1.1 Product identifier

Trade name: ACCELERATOR ADDITIVE
1.2 Relevant identified uses of the substance or mixture and uses advised against Identified uses: professional use.
Application of the substance / the mixture Catalyst

1.3 Details of the supplier of the safety data sheet
Manufacturer/Supplier:
Chemical Alliance Polska Sp. z o.o.
ul. Prosta 23, Łozienica
72-100 Goleniów
Tel. +48 91 41 65 440
Fax: +48 91 41 65 487
info@cap.pl

Further information obtainable from: sds@cap.pl
1.4 Emergency telephone number: +48 91 41 65 440 (8:00-16:00)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008


GHS02

Flam. Liq. 3	H226	Flammable liquid and vapour.


GHS08

Repr. 1B	H360	May damage fertility or the unborn child.
Asp. Tox. 1	H304	May be fatal if swallowed and enters airways.


GHS07

Skin Irrit. 2	H315	Causes skin irritation.
Eye Irrit. 2	H319	Causes serious eye irritation.
STOT SE 3	H335-H336	May cause respiratory irritation. May cause drowsiness or dizziness.
Aquatic Chronic 3	H412	Harmful to aquatic life with long lasting effects.

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008
The product is classified and labelled according to the CLP regulation.
Hazard pictograms


GHS02 GHS07 GHS08

Signal word Danger

Hazard-determining components of labelling:
n-butyl acetate
hydrocarbons, C9, aromatics
dibutyltin dilaurate
xylene

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Hazard statements
H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H360 May damage fertility or the unborn child.
H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.
H304 May be fatal if swallowed and enters airways.
H412 Harmful to aquatic life with long lasting effects.
Precautionary statements
P201 Obtain special instructions before use.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
Additional information:
Restricted to professional users.
Contains dibutyltin dilaurate. May produce an allergic reaction.

2.3 Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures
Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:		
CAS: 123-86-4 EINECS: 204-658-1 Reg.nr.: 01-2119485493-29	n-butyl acetate Flam. Liq. 3, H226; STOT SE 3, H336	50-100%
CAS: 108-65-6 EINECS: 203-603-9 Reg.nr.: 01-2119475791-29	2-methoxy-1-methylethyl acetate Flam. Liq. 3, H226	10-25%
EC number: 918-668-5 Reg.nr.: 01-2119455851-35	hydrocarbons, C9, aromatics Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336	5-15%
CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32	xylene Flam. Liq. 3, H226; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	2.5-10%
CAS: 112-07-2 EINECS: 203-933-3 Reg.nr.: 01-2119475112-47	2-butoxyethyl acetate Acute Tox. 4, H312; Acute Tox. 4, H332	2.5-10%
CAS: 77-58-7 EINECS: 201-039-8 Reg.nr.: 01-2119496068-27	dibutyltin dilaurate Muta. 2, H341; Repr. 1B, H360; STOT RE 1, H372; Skin Corr. 1B, H314; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Sens. 1, H317	0.1-<1%

Additional information: For the wording of the listed risk phrases refer to section 16.

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SECTION 4: First aid measures

4.1 Description of first aid measures
General information:
Immediately remove any clothing soiled by the product.
In case of irregular breathing or respiratory arrest provide artificial respiration.
Take affected persons out of danger area and lay down.
After inhalation:
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
After skin contact: Immediately wash with water and soap and rinse thoroughly.
After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing: Do not induce vomiting; call for medical help immediately.
4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
4.3 Indication of any immediate medical attention and special treatment needed
No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing agents: CO2, sand, extinguishing powder. Do not use water.
For safety reasons unsuitable extinguishing agents: Water with full jet
5.2 Special hazards arising from the substance or mixture
Can form explosive gas-air mixtures.
Formation of toxic gases is possible during heating or in case of fire.
Carbon monoxide and carbon dioxide
5.3 Advice for firefighters
Protective equipment:
Wear self-contained respiratory protective device.
Do not inhale explosion gases or combustion gases.
Additional information
Cool endangered receptacles with water spray.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Keep away from ignition sources.
6.2 Environmental precautions:
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
6.3 Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Do not flush with water or aqueous cleansing agents
6.4 Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.
Do not eat, drink, smoke or sniff while working.
Do not allow to enter sewers/ surface or ground water.
Information about fire - and explosion protection:
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Keep respiratory protective device available.
Use explosion-proof apparatus / fittings and spark-proof tools.
Fumes can combine with air to form an explosive mixture.

7.2 Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles: *Store only in the original receptacle.*
Information about storage in one common storage facility:
Store away from foodstuffs.
Store away from oxidising agents.
Further information about storage conditions:
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.
Store receptacle in a well ventilated area.
7.3 Specific end use(s) *No further relevant information available.*

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: *No further data; see item 7.*

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:	
123-86-4 n-butyl acetate	
WEL (Great Britain)	*Short-term value: 966 mg/m³, 200 ppm* *Long-term value: 724 mg/m³, 150 ppm*
108-65-6 2-methoxy-1-methylethyl acetate	
WEL (Great Britain)	*Short-term value: 548 mg/m³, 100 ppm* *Long-term value: 274 mg/m³, 50 ppm* *Sk*
IOELV (EU)	*Short-term value: 550 mg/m³, 100 ppm* *Long-term value: 275 mg/m³, 50 ppm* *Skin*
1330-20-7 xylene	
WEL (Great Britain)	*Short-term value: 441 mg/m³, 100 ppm* *Long-term value: 220 mg/m³, 50 ppm* *Sk; BMGV*
IOELV (EU)	*Short-term value: 442 mg/m³, 100 ppm* *Long-term value: 221 mg/m³, 50 ppm* *Skin*

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112-07-2 2-butoxyethyl acetate	
WEL (Great Britain)	*Short-term value: 332 mg/m³, 50 ppm* *Long-term value: 133 mg/m³, 20 ppm* *Sk*
IOELV (EU)	*Short-term value: 333 mg/m³, 50 ppm* *Long-term value: 133 mg/m³, 20 ppm* *Skin*
77-58-7 dibutyltin dilaurate	
WEL (Great Britain)	*Short-term value: 0.2 mg/m³* *Long-term value: 0.1 mg/m³* *as Sn; Sk*

DNELs		
123-86-4 n-butyl acetate		
Dermal	*DNEL*	*7 mg/kg bw/day (long-term - systemic effects, workers)*
Inhalative	*DNEL*	*960 mg/m3 (acute - systemic effects, workers)*
		960 mg/m3 (acute - local effects, workers)
		480 mg/m3 (long-term - systemic effects, workers)
		480 mg/m3 (long-term - local effects, workers)
108-65-6 2-methoxy-1-methylethyl acetate		
Dermal	*DNEL*	*153.5 mg/kg bw/day (long-term - systemic effects, workers)*
Inhalative	*DNEL*	*275 mg/m3 (long-term - systemic effects, workers)*
hydrocarbons, C9, aromatics		
Dermal	*DNEL*	*25 mg/kg bw/day (long-term - systemic effects, workers)*
Inhalative	*DNEL*	*150 mg/m3 (long-term - systemic effects, workers)*
1330-20-7 xylene		
Dermal	*DNEL*	*180 mg/kg bw/day (long-term - systemic effects, workers)*
Inhalative	*DNEL*	*289 mg/m3 (acute - systemic effects, workers)*
		289 mg/m3 (acute - local effects, workers)
		77 mg/m3 (long-term - systemic effects, workers)
		77 mg/m3 (long-term - local effects, workers)
112-07-2 2-butoxyethyl acetate		
Dermal	*DNEL*	*102 mg/kg bw/day (acute - systemic effects, workers)*
		102 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative	*DNEL*	*775 mg/m3 (acute - systemic effects, workers)*
		333 mg/m3 (acute - local effects, workers)
		133 mg/m3 (long-term - local effects, workers)
77-58-7 dibutyltin dilaurate		
Dermal	*DNEL*	*2.08 mg/kg bw/day (acute - systemic effects, workers)*
		0.42 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative	*DNEL*	*0.02 mg/m3 (long-term - systemic effects, workers)*

PNECs	
123-86-4 n-butyl acetate	
PNEC	*0.18 mg/l (freshwater environment)*
	0.018 mg/l (marine environment)
	0.36 mg/l (intermittent releases)
	0.981 mg/kg (freshwater sediment environment)
	35.6 mg/l (sewage treatment plants)

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108-65-6 2-methoxy-1-methylethyl acetate	
PNEC	*0.635 mg/l (freshwater environment)* *0.0635 mg/l (marine environment)* *6.35 mg/l (intermittent releases)* *3.29 mg/kg (freshwater sediment environment)* *0.329 mg/kg (marine sediment environment)* *100 mg/l (sewage treatment plants)*
1330-20-7 xylene	
PNEC	*0.327 mg/l (freshwater environment)* *12.46 mg/kg (freshwater sediment environment)* *2.31 mg/kg (soil)* *6.58 mg/l (sewage treatment plants)*
112-07-2 2-butoxyethyl acetate	
PNEC	*0.304 mg/l (freshwater environment)* *0.0304 mg/l (marine environment)* *0.56 mg/l (intermittent releases)* *2.03 mg/kg (freshwater sediment environment)* *0.203 mg/kg (marine sediment environment)* *0.68 mg/kg (soil)* *90 mg/l (sewage treatment plants)*
77-58-7 dibutyltin dilaurate	
PNEC	*0.000463 mg/l (freshwater environment)* *0.0000463 mg/l (marine environment)* *0.00463 mg/l (intermittent releases)* *0.05 mg/kg (freshwater sediment environment)* *0.005 mg/kg (marine sediment environment)* *0.0407 mg/kg (soil)* *100 mg/l (sewage treatment plants)*

Ingredients with biological limit values:	
1330-20-7 xylene	
BMGV (Great Britain)	*650 mmol/mol creatinine* *Medium: urine* *Sampling time: post shift* *Parameter: methyl hippuric acid*

Additional information: *The lists valid during the making were used as basis.*

8.2 Exposure controls
Personal protective equipment:
General protective and hygienic measures:
Ensure good ventilation/exhaustion at the workplace.
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
Keep ignition sources away - Do not smoke.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.
Do not eat or drink while working.

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Respiratory protection:
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
Filter A/P2
Use suitable respiratory protective device in case of insufficient ventilation.
Protection of hands:
Check the permeability prior to each anewed use of the glove.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation (EN 374).
Material of gloves
Butyl rubber, BR
Fluorocarbon rubber (Viton)
Nitrile rubber, NBR
PVA gloves
Recommended thickness of the material: ≥ 0,7 mm
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
Penetration time of glove material
Value for the permeation: Level 6 ≥ 480 min.
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
Eye protection:

Tightly sealed goggles

Body protection: *Protective work clothing*

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties	
General Information	
Appearance:	
Form:	*Fluid*
Colour:	*Colourless*
Odour:	*Characteristic*
Odour threshold:	*Not determined.*
pH-value:	*Not applicable.*
Change in condition	
Melting point/Melting range:	*Undetermined.*
Boiling point/Boiling range:	*Undetermined.*
Flash point:	*> 23 °C*
Flammability (solid, gaseous):	*Not applicable.*
Decomposition temperature:	*Not determined.*
Auto-ignition temperature:	*Not determined.*
Danger of explosion:	*Product is not explosive. However, formation of explosive air/vapour mixtures are possible.*
Explosion limits:	
Lower:	*0.7 Vol %*
Upper:	*15.0 Vol %*

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Vapour pressure at 20 °C:	*10.7 hPa*
Density:	*~ 0,9 g/cm³*
Vapour density	*Not determined.*
Evaporation rate	*Not determined.*
Solubility in / Miscibility with water:	*Not miscible or difficult to mix.*
Partition coefficient (n-octanol/water):	*Not determined.*
Viscosity:	
Dynamic:	*Not determined.*
Kinematic:	*Not determined.*
9.2 Other information	*No further relevant information available.*

SECTION 10: Stability and reactivity

10.1 Reactivity *No decomposition if used according to specifications.*
10.2 Chemical stability *No decomposition if used and stored according to specifications.*
10.3 Possibility of hazardous reactions
Reacts with alkali, amines and strong acids.
Reacts with oxidising agents.
Fumes can combine with air to form an explosive mixture.
10.4 Conditions to avoid *Protect from heat and direct sunlight.*
10.5 Incompatible materials: *No further relevant information available.*
10.6 Hazardous decomposition products:
Carbon monoxide and carbon dioxide
Formation of toxic gases is possible during heating or in case of fire.

SECTION 11: Toxicological information

11.1 Information on toxicological effects
Acute toxicity

LD/LC50 values relevant for classification:		
123-86-4 n-butyl acetate		
Oral	*LD50*	*10760 mg/kg (rat)*
Dermal	*LD50*	*10760 mg/kg (rat)*
		>14000 mg/kg (rabbit)
Inhalative	*LC50/4 h*	*23.4 mg/l (rat)*
108-65-6 2-methoxy-1-methylethyl acetate		
Oral	*LD50*	*>5000 mg/kg (rat)*
Dermal	*LD50*	*>5000 mg/kg (rabbit)*
Inhalative	*LC50/6 h*	*4345 mg/l (rat)*
hydrocarbons, C9, aromatics		
Oral	*LD50*	*3592 mg/kg (rat)*
Dermal	*LD50*	*>3160 mg/kg (-)*
Inhalative	*LC50/4 h*	*> 6193 mg/l (rat)*
1330-20-7 xylene		
Oral	*ATE*	*>2000 mg/kg (-)*
Dermal	*ATE*	*1466.67 mg/kg (-)*
Inhalative	*ATE*	*12.09 mg/l (-) (vapour)*

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112-07-2 2-butoxyethyl acetate		
Oral	LD50	1880 mg/kg (rat)
Dermal	LD50	1500 mg/kg (rabbit)
Inhalative	LC50/4 h	11 mg/l (ATE)
77-58-7 dibutyltin dilaurate		
Oral	LD50	500-2000 mg/kg (rat)
Dermal	LD50	>1000 mg/kg (rabbit)

Primary irritant effect:
Skin corrosion/irritation
Causes skin irritation.
Serious eye damage/irritation
Causes serious eye irritation.
Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
Germ cell mutagenicity Based on available data, the classification criteria are not met.
Carcinogenicity Based on available data, the classification criteria are not met.
Reproductive toxicity
May damage fertility or the unborn child.
STOT-single exposure
May cause respiratory irritation. May cause drowsiness or dizziness.
STOT-repeated exposure Based on available data, the classification criteria are not met.
Aspiration hazard
May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:	
123-86-4 n-butyl acetate	
EC50/48 h	44 mg/l (daphnia)
EC50/72 h	675 mg/l (algae)
LC50/96 h	18 mg/l (Pimephales promelas)
TT/16 h	115 mg/l (Pseudomonas putida)
108-65-6 2-methoxy-1-methylethyl acetate	
EC20/30 min	>1000 mg/l (microorganisms)
EC50	>100 mg/l (Pseudokirchnerella subcapitata)
	>100 mg/l (Pimephales promelas)
	>100 mg/l (Daphnia magna)
EC50/48 h	>500 mg/l (Daphnia magna)
EC50/72 h	>1000 mg/l (Pseudokirchnerella subcapitata)
LC50/96 h	>100 mg/l (fish)
hydrocarbons, C9, aromatics	
EC50/10 min	>99 mg/l (microorganisms)
EC50/48 h	6.14 mg/l (Daphnia magna)
EL50/48 h	3.2 mg/l (Daphnia magna)
ErC50/96 h	9.2 mg/l (fish)
ErL50/72 h	2.9 mg/l (Pseudokirchnerella subcapitata)
1330-20-7 xylene	
EC50/24 h	96 mg/l (microorganisms)

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EC50/48 h	>1-10 mg/l (Daphnia magna)
IC50/72 h	2.2 mg/l (algae)
LC50/96 h	2.6 mg/l (fish)
112-07-2 2-butoxyethyl acetate	
EC50/24 h	>100 mg/l (Daphnia magna)
EC50/72 h	>100 mg/l (Scenedesmus subspicatus)
LC50/48 h	10-100 mg/l (Leuciscus idus melanotus)
77-58-7 dibutyltin dilaurate	
EC50	2.28 mg/l (Daphnia magna)
EC50/3 h	>1000 mg/l (microorganisms)
EC50/72 h	>1 mg/l (Scenedesmus subspicatus)
LC50/48 h	2.04 mg/l (fish)

12.2 Persistence and degradability

123-86-4 n-butyl acetate	
Biodegradation	83 % (readily biodegradable) (OECD 301 D, 28 d, aerobic)
108-65-6 2-methoxy-1-methylethyl acetate	
Biodegradation	100 % (readily biodegradable) (OECD 302 B, 8 d, aerobic)
hydrocarbons, C9, aromatics	
Biodegradation	78 % (readily biodegradable) (OECD 301 F, 28 d, aerobic)
1330-20-7 xylene	
Biodegradation	>60 % (readily biodegradable) (OECD 301 F, 28 d, aerobic)
112-07-2 2-butoxyethyl acetate	
Biodegradation	>70 % (readily biodegradable) (OECD 301C, 28d)
77-58-7 dibutyltin dilaurate	
Biodegradation	23 % (not readily biodegradable) (OECD 301 F, 39d, anaerobic)

12.3 Bioaccumulative potential

123-86-4 n-butyl acetate	
BCF	15.3 (-)
log Pow	2.3 (-)
108-65-6 2-methoxy-1-methylethyl acetate	
log Pow	0.56 (-)
1330-20-7 xylene	
BCF	25.9 (-)
log Pow	3.15 (-)

12.4 Mobility in soil

123-86-4 n-butyl acetate	
log Koc	1.27 (-)
108-65-6 2-methoxy-1-methylethyl acetate	
Koc	1.7 (-)

Additional ecological information:
General notes:
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Harmful to aquatic organisms
12.5 Results of PBT and vPvB assessment
PBT: *Not applicable.*
vPvB: *Not applicable.*

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12.6 Other adverse effects *No further relevant information available.*

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Recommendation
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue	
*08 01 11**	*waste paint and varnish containing organic solvents or other dangerous substances*

Uncleaned packaging:
Recommendation: *Disposal must be made according to official regulations.*

SECTION 14: Transport information

14.1 UN-Number	
ADR, IMDG, IATA	*UN1263*
14.2 UN proper shipping name	
ADR	*1263 PAINT RELATED MATERIAL*
IMDG, IATA	*PAINT RELATED MATERIAL*
14.3 Transport hazard class(es)	
ADR, IMDG, IATA	
	
Class	*3*
Label	*3*
14.4 Packing group	
ADR, IMDG, IATA	*III*
14.5 Environmental hazards:	
Marine pollutant (IMDG):	*No*
14.6 Special precautions for user	*Warning: Flammable liquids.*
Danger code (Kemler):	*30*
EMS Number:	*F-E,S-E*
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	*Not applicable.*
Transport/Additional information:	
ADR	
Limited quantities (LQ)	*5L*
Transport category	*3*
Tunnel restriction code	*D/E*
IMDG	
Limited quantities (LQ)	*5L*
UN "Model Regulation":	*UN1263, PAINT RELATED MATERIAL, 3, III*

SECTION 15: Regulatory information

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

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Directive 2012/18/EU
Named dangerous substances - ANNEX I *None of the ingredients is listed.*

National regulations:

Information about limitation of use:
Employment restrictions concerning juveniles must be observed.
Employment restrictions concerning pregnant and lactating women must be observed.
15.2 Chemical safety assessment: *A Chemical Safety Assessment has not been carried out.*

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases
H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H341 Suspected of causing genetic defects.
H360 May damage fertility or the unborn child.
H372 Causes damage to organs through prolonged or repeated exposure.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.

Abbreviations and acronyms:
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 3: Flammable liquids, Hazard Category 3
Acute Tox. 4: Acute toxicity, Hazard Category 4
Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
Skin Sens. 1: Sensitisation - Skin. Hazard Category 1
Muta. 2: Germ cell mutagenicity. Hazard Category 2
Repr. 1B: Reproductive toxicity. Hazard Category 1B
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
STOT RE 1: Specific target organ toxicity - Repeated exposure, Hazard Category 1
STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2
Asp. Tox. 1: Aspiration hazard, Hazard Category 1
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

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Safety data sheet
according to 1907/2006/EC, Article 31

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Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3
Sources *European Chemicals Agency, http://echa.europa.eu/*