



## KP6497 Activator - Aerosol

### Safety Data Sheet

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

Reference number: 01-005-1717

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

### 1.1. Product identifier

Product form : Mixture  
Product name : KP6497 Activator - Aerosol  
UFI : YQU9-1QV0-YY1N-3JFF  
Product code : KP6497 AERO  
Vaporizer : aerosol

### 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 : Activator

#### 1.2.2. Uses advised against

No additional information available

### 1.3. Details of the supplier of the safety data sheet

#### Manufacturer

##### Chemence Ltd

13 Princewood Road,  
Corby,  
Northamptonshire NN17 4XD  
United Kingdom

**Tel:** +44 (0)1536 402600

**Faxl:** +44 (0)1536 400266

**email:** technical@chemence.com

### 1.4. Emergency telephone number

Emergency number : +44 (0)1536 402600 (Monday - Friday 8:00 to 17:30)  
UK Only - IN CASE OF TOXIC OR TRANSPORT EMERGENCY:  
National Chemical Emergency Centre: Telephone 01865 407333

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

Aerosol, Category 1 H222;H229  
Skin corrosion/irritation, Category 2 H315  
Specific target organ toxicity — Single exposure, Category 3, Narcosis H336  
Hazardous to the aquatic environment — Chronic Hazard, Category 2 H411  
Full text of H- and EUH-statements: see section 16

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#### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

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

Hazard pictograms (CLP)



GHS02

GHS07

GHS09

Signal word (CLP)

: Danger

Contains

: Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Hazard statements (CLP)

: H222 - Extremely flammable aerosol.

H229 - Pressurised container: May burst if heated.

H315 - Causes skin irritation.

H336 - May cause drowsiness or dizziness.

H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking.

P211 - Do not spray on an open flame or other ignition source.

P251 - Do not pierce or burn, even after use.

P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P261 - Avoid breathing vapours, spray.

P271 - Use only outdoors or in a well-ventilated area.

P280 - Wear protective clothing, protective gloves.

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

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 - Call a POISON CENTRE or doctor if you feel unwell.

P273 - Avoid release to the environment.

P102 - Keep out of reach of children.

P501 - Dispose of contents/container to / as normal industrial waste.

#### 2.3. Other hazards

Other hazards which do not result in classification : In use may form flammable/explosive vapour-air mixture.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	EC-No.: 921-024-6 REACH-no: 01-2119475514-35	≥ 45 – < 60	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 2, H411

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Petroleum gases, liquefied; Petroleum gas; <0.1% 1,3 Butadiene substance with a Community workplace exposure limit (Note K)	CAS-No.: 68476-85-7 EC-No.: 270-704-2 EC Index-No.: 649-202-00-6 REACH-no: 01-2119485911-31	≥ 30 – < 45	Flam. Gas 1A, H220 Press. Gas
Hydrocarbons, C6, isoalkanes, <5% n-hexane	CAS-No.: 64742-49-0 EC-No.: 931-254-9 REACH-no: 01-2119484651-34	≥ 15 – < 30	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	EC-No.: 927-510-4 REACH-no: 01-2119475515-33	≥ 1 – < 3	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
n-hexane	CAS-No.: 110-54-3 EC-No.: 203-777-6 EC Index-No.: 601-037-00-0	≥ 0.01 – < 0.1	Flam. Liq. 2, H225 Repr. 2, H361f Asp. Tox. 1, H304 STOT RE 2, H373 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411

Specific concentration limits:		
Name	Product identifier	Specific concentration limits
n-hexane	CAS-No.: 110-54-3 EC-No.: 203-777-6 EC Index-No.: 601-037-00-0	( 5 ≤ C ≤ 100) STOT RE 2, H373

Note K: The harmonised classification as a carcinogen or mutagen applies unless it can be shown that the substance contains less than 0,1 % w/w 1,3- butadiene (Einecs No 203-450-8), in which case a classification in accordance with Title II of this Regulation shall be performed also for those hazard classes. Where the substance is not classified as a carcinogen or mutagen, at least the precautionary statements (P102-)P210-P403 shall apply.

Product subject to CLP Article 1.1.3.7. The disclosure rules of the components is modified in this case.

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If symptoms persist, consult a doctor.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse immediately with plenty of water (for at least 15 minutes). If irritation persists, consult a doctor.
First-aid measures after ingestion	: Rinse mouth out with water. Do not induce vomiting. Call a doctor.



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

Symptoms/effects	: May cause drowsiness or dizziness.
Symptoms/effects after inhalation	: May cause shortness of breath, tightness of the chest, a sore throat and cough.
Symptoms/effects after skin contact	: skin irritation and erythema.
Symptoms/effects after eye contact	: redness, itching, tears.
Symptoms/effects after ingestion	: May cause a light irritation of the linings of the mouth, throat, and gastrointestinal tract. Inhalation may cause asthmatic reactions.

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

Treat symptomatically. An eyewash station should be available on the premises.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	: dry chemical powder, alcohol-resistant foam, carbon dioxide (CO <sub>2</sub> ).
Unsuitable extinguishing media	: high volume water jet or water based extinguishing media.

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

Fire hazard	: The vapours are denser than air and may travel along the ground. Distance ignition possible.
Explosion hazard	: Pressurised container: May burst if heated. May form flammable/explosive vapour-air mixture.
Hazardous decomposition products in case of fire	: Combustion products may include the following: carbon oxides (CO, CO <sub>2</sub> ) (carbon monoxide, carbon dioxide) nitrogen oxides (NO, NO <sub>2</sub> etc.).

#### 5.3. Advice for firefighters

Precautionary measures fire	: Fight fire remotely due to the risk of explosion.
Firefighting instructions	: Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting	: Wear fire/flame resistant/retardant clothing. Self-contained breathing apparatus.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	: toxic for aquatic organisms, may have longterm hazardous effects in aquatic environment. No flames, no sparks. Eliminate all sources of ignition.
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##### 6.1.1. For non-emergency personnel

Protective equipment	: Use personal protective equipment as required.
Emergency procedures	: No open flames, no sparks, and no smoking. Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. Mark out the contaminated area with signs and prevent access to unauthorized personnel.
Emergency procedures	: Evacuate unnecessary personnel. Mark out the contaminated area with signs and prevent access to unauthorized personnel. No flames, no sparks. Eliminate all sources of ignition.

#### 6.2. Environmental precautions

Do not allow to enter drains or water courses.

#### 6.3. Methods and material for containment and cleaning up

For containment	: Absorb spilled material with sand or earth.
Methods for cleaning up	: Use non-sparking tools.



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### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed	: In use, may form flammable vapour-air mixture.
Precautions for safe handling	: Avoid contact with skin and eyes. Avoid breathing fume, vapours, mist, spray. Provide local exhaust or general room ventilation. Use only non-sparking tools.
Hygiene measures	: Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Store away from direct sunlight or other heat sources.
Storage conditions	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
Incompatible products	: Strong oxidizing agents.
Incompatible materials	: Direct sunlight. Heat sources. flames or sparks. hot surfaces.
Storage temperature	: ≤ 35 °C
Storage area	: Fireproof storeroom. Store away from direct sunlight or other heat sources.
Special rules on packaging	: Keep only in original container.

### 7.3. Specific end use(s)

Activator.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

##### Petroleum gases, liquefied; Petroleum gas;<0.1% 1,3 Butadiene (68476-85-7)

##### United Kingdom - Occupational Exposure Limits

WEL TWA (OEL TWA) [1]	1750 mg/m <sup>3</sup>
WEL TWA (OEL TWA) [2]	1000 ppm
WEL STEL (OEL STEL)	2180 mg/m <sup>3</sup>
WEL STEL (OEL STEL) [ppm]	1250 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

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#### 8.2. Exposure controls

##### 8.2.1. Appropriate engineering controls

###### Appropriate engineering controls:

An eyewash station should be available on the premises. . Ensure that there is a suitable ventilation system.

##### 8.2.2. Personal protection equipment

###### Personal protective equipment:

Safety glasses. Protective clothing.

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



##### 8.2.2.1. Eye and face protection

###### Eye protection:

No special eye protection equipment recommended under normal conditions of use

##### 8.2.2.2. Skin protection

###### Skin and body protection:

Wear suitable protective clothing

Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Reusable gloves	Butyl rubber	4 (> 120 minutes)	>0.3		EN 374-2

##### 8.2.2.3. Respiratory protection

###### Respiratory protection:

No respiratory protection needed under normal use conditions. In case of insufficient ventilation, wear suitable respiratory equipment

Respiratory protection			
Device	Filter type	Condition	Standard
Reusable half mask	Type A - High-boiling (>65 °C) organic compounds	If conc. in air > exposure limit	EN 405, EN 14387

##### 8.2.2.4. Thermal hazards

No additional information available

##### 8.2.3. Environmental exposure controls

No additional information available

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Appearance	: pale green to greenish.
Colour	: Pale green.
Odour	: Light odour of petroleum.
Odour threshold	: No data available
pH	: n/a

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Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: $\approx -40\text{ }^{\circ}\text{C}$
Flash point	: $\approx -40\text{ }^{\circ}\text{C}$
Auto-ignition temperature	: $> 200\text{ }^{\circ}\text{C}$
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: $\approx 60\text{ hPa @}20^{\circ}\text{C}$
Relative vapour density at $20\text{ }^{\circ}\text{C}$	: No data available
Relative density	: $\approx 0.625$
Solubility	: Insoluble in water. Soluble in petroleum spirit.
Partition coefficient n-octanol/water (Log Pow)	: $\approx 3.7$
Viscosity, kinematic	: $\approx 0.36\text{ mm}^2/\text{s}$ Viscosity, kinematic in $10^{-6}\text{ m}^2/\text{s}$ ( $40\text{ }^{\circ}\text{C}$ ) ISO 3104/3105
Viscosity, dynamic	: No data available
Explosive properties	: Pressurised container: May burst if heated.
Oxidising properties	: Not oxidising.
Explosive limits	: No data available

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Extremely flammable aerosol.

#### 10.2. Chemical stability

In use may form flammable/explosive vapour-air mixture.

#### 10.3. Possibility of hazardous reactions

Stable under normal conditions of use.

#### 10.4. Conditions to avoid

Heat. High temperature. Open flame. Sparks. Sources of ignition. Direct sunlight.

#### 10.5. Incompatible materials

Strong oxidizing agents.

#### 10.6. Hazardous decomposition products

Combustion products may include the following: carbon oxides ( $\text{CO}$ ,  $\text{CO}_2$ ) (carbon monoxide, carbon dioxide) nitrogen oxides ( $\text{NO}$ ,  $\text{NO}_2$  etc.).

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)

#### Hydrocarbons, C6, isoalkanes, <5% n-hexane (64742-49-0)

LD50 oral rat	16750 mg/kg
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<b>Hydrocarbons, C6, isoalkanes, &lt;5% n-hexane (64742-49-0)</b>	
LD50 dermal	3350 mg/kg
<b>Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, &lt;5% n-hexane</b>	
LD50 oral rat	5001 mg/kg Animal: rat, Male/Female: Toxicity, Oral
LD50 dermal rat	2800 – 3100 mg/kg bodyweight Animal: rat; animal sex: male
LD50 dermal	2001 mg/kg
LC50 Inhalation - Rat	> 25.2 mg/l
<b>Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics</b>	
LD50 oral rat	> 5840 mg/kg
LD50 dermal rat	> 2920 mg/kg
LC50 Inhalation - Rat	> 23.3 mg/l Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)
Skin corrosion/irritation	: Causes skin irritation. pH: n/a
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: n/a
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
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)
STOT-single exposure	: May cause drowsiness or dizziness.
<b>n-hexane (110-54-3)</b>	
STOT-single exposure	May cause drowsiness or dizziness.
<b>Hydrocarbons, C6, isoalkanes, &lt;5% n-hexane (64742-49-0)</b>	
STOT-single exposure	May cause drowsiness or dizziness.
<b>Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, &lt;5% n-hexane</b>	
STOT-single exposure	May cause drowsiness or dizziness.
<b>Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics</b>	
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
<b>n-hexane (110-54-3)</b>	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
<b>Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics</b>	
LOAEC (inhalation, rat, vapour, 90 days)	16.6 mg/l Animal: rat; animal sex: male
NOAEC (inhalation, rat, vapour, 90 days)	3.3 mg/l Animal: rat; animal sex: male
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)
<b>KP6497 Activator - Aerosol</b>	
Vaporizer	aerosol
Viscosity, kinematic	≈ 0.36 mm <sup>2</sup> /s Viscosity, kinematic in 10 <sup>-6</sup> m <sup>2</sup> /s (40 °C) ISO 3104/3105



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#### SECTION 12: Ecological information

##### 12.1. Toxicity

Ecology - general	: Toxic to aquatic life. Toxic to soil organisms.
Hazardous to the aquatic environment, short-term (acute)	: Not classified (Based on available data, the classification criteria are not met)
Hazardous to the aquatic environment, long-term (chronic)	: Toxic to aquatic life with long lasting effects.
Not rapidly degradable	

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Additional information	Insoluble in water. Floats on water
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##### Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

LOEC (chronic)	0.32 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	0.17 mg/l Species: Daphnia magna Duration: '21 d'

##### Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

LC50 - Fish [1]	> 13.4 mg/l
EC50 - Other aquatic organisms [1]	3 mg/l
LOEC (chronic)	0.32 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	0.17 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

##### 12.2. Persistence and degradability

##### KP6497 Activator - Aerosol

Persistence and degradability	Readily biodegradable. Surface photodegradation is expected with exposure to sunlight.
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##### 12.3. Bioaccumulative potential

##### KP6497 Activator - Aerosol

Partition coefficient n-octanol/water (Log Pow)	≈ 3.7
Bioaccumulative potential	Slightly bioaccumulative.

##### 12.4. Mobility in soil

##### KP6497 Activator - Aerosol

Ecology - soil	Contains volatile component(s). Insoluble in water. Floats on water.
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##### 12.5. Results of PBT and vPvB assessment

No additional information available

##### 12.6. Other adverse effects

No additional information available

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#### SECTION 13: Disposal considerations

##### 13.1. Waste treatment methods

Regional legislation (waste)	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Do not pierce or burn, even after use. Dispose of this material and its container at hazardous or special waste collection point.
Additional information	: Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.

#### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID

ADR	IMDG	IATA	RID
<b>14.1. UN number</b>			
UN 1950	UN 1950	UN 1950	UN 1950
<b>14.2. UN proper shipping name</b>			
AEROSOLS (AEROSOLS, flammable)	AEROSOLS (AEROSOLS, flammable)	Aerosols, flammable (AEROSOLS, flammable)	AEROSOLS (AEROSOLS, flammable)
<b>Transport document description</b>			
UN 1950 AEROSOLS (AEROSOLS, flammable), 2.1, (D), ENVIRONMENTALLY HAZARDOUS	UN 1950 AEROSOLS (AEROSOLS, flammable), 2.1, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 1950 Aerosols, flammable (AEROSOLS, flammable), 2.1, ENVIRONMENTALLY HAZARDOUS	UN 1950 AEROSOLS (AEROSOLS, flammable), 2.1, ENVIRONMENTALLY HAZARDOUS
<b>14.3. Transport hazard class(es)</b>			
2.1	2.1	2.1	2.1
<b>14.4. Packing group</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>			
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information available			

##### 14.6. Special precautions for user

###### Overland transport

Classification code (ADR)	: 5F
Special provisions (ADR)	: 190, 327, 344, 625
Limited quantities (ADR)	: 1I
Excepted quantities (ADR)	: E0
Packing instructions (ADR)	: P207, LP200
Special packing provisions (ADR)	: PP87, RR6, L2



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Mixed packing provisions (ADR)	: MP9
Transport category (ADR)	: 2
Special provisions for carriage - Packages (ADR)	: V14
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV9, CV12
Special provisions for carriage - Operation (ADR)	: S2
Tunnel restriction code (ADR)	: D

#### Transport by sea

Special provisions (IMDG)	: 63, 190, 277, 327, 344, 381, 959
Packing instructions (IMDG)	: P207, LP200
Special packing provisions (IMDG)	: PP87, L2
EmS-No. (Fire)	: F-D
EmS-No. (Spillage)	: S-U
Stowage category (IMDG)	: None
Stowage and handling (IMDG)	: SW1, SW22
Segregation (IMDG)	: SG69

#### Air transport

PCA Excepted quantities (IATA)	: E0
PCA Limited quantities (IATA)	: Y203
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 203
PCA max net quantity (IATA)	: 75kg
CAO packing instructions (IATA)	: 203
CAO max net quantity (IATA)	: 150kg
Special provisions (IATA)	: A145, A167, A802
ERG code (IATA)	: 10L

#### Rail transport

Classification code (RID)	: 5F
Special provisions (RID)	: 190, 327, 344, 625
Limited quantities (RID)	: 1L
Excepted quantities (RID)	: E0
Packing instructions (RID)	: P207, LP200
Special packing provisions (RID)	: PP87, RR6, L2
Mixed packing provisions (RID)	: MP9
Transport category (RID)	: 2
Special provisions for carriage – Packages (RID)	: W14
Special provisions for carriage - Loading, unloading and handling (RID)	: CW9, CW12
Colis express (express parcels) (RID)	: CE2
Hazard identification number (RID)	: 23

#### 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



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Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

#### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

### SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
	Supersedes version of	Added	
	Revision date	Modified	
	Segregation (IMDG)	Added	
	Stowage and handling (IMDG)	Added	
	Special provisions for carriage - Operation (ADR)	Added	
	Special provisions for carriage - Loading, unloading and handling (ADR)	Added	
	Special provisions for carriage - Packages (ADR)	Added	
	Mixed packing provisions (ADR)	Added	
	Special packing provisions (ADR)	Added	
	Packing instructions (ADR)	Added	
	Transport category (RID)	Added	
	Special provisions (RID)	Added	
	Special packing provisions (RID)	Added	
	Proper Shipping Name (RID)	Added	
	Special provisions for carriage – Packages (RID)	Added	
	Special provisions for carriage - Loading, unloading and handling (RID)	Added	
	Packing instructions (RID)	Added	
	Mixed packing provisions (RID)	Added	
	Limited quantities (RID)	Added	
	Hazard identification number (RID)	Added	
	Excepted quantities (RID)	Added	



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Indication of changes			
Section	Changed item	Change	Comments
	Colis express (express parcels) (RID)	Added	
	Classification code (RID)	Added	
	Ventilation (ADN)	Added	
	Limited quantities (ADN)	Added	
	Danger labels (ADN)	Added	
	Excepted quantities (ADN)	Added	
	Equipment required (ADN)	Added	
	Classification code (ADN)	Added	
	Number of blue cones/lights (ADN)	Added	
	Stowage category (IMDG)	Added	
	Special provisions (IMDG)	Added	
	Proper Shipping Name (IMDG)	Added	
	EmS-No. (Spillage)	Added	
	EmS-No. (Fire)	Added	
	Special provisions (IATA)	Added	
	Proper Shipping Name (IATA)	Added	
	PCA packing instructions (IATA)	Added	
	PCA max net quantity (IATA)	Added	
	PCA limited quantity max net quantity (IATA)	Added	
	PCA Limited quantities (IATA)	Added	
	PCA Excepted quantities (IATA)	Added	
	ERG code (IATA)	Added	
	CAO packing instructions (IATA)	Added	
	CAO max net quantity (IATA)	Added	
	Danger labels (IMDG)	Added	
	Danger labels (IATA)	Added	
	UN-No. (RID)	Added	
	Reason for no classification	Added	
	Display additional SDS EU addresses	Added	
	Reference number	Added	
	Regulatory framework	Added	
	Vaporizer	Added	
1.1	Product code	Modified	
1.1	Name	Modified	
1.2	Use of the substance/mixture	Added	



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Indication of changes			
Section	Changed item	Change	Comments
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified	
2.2	Precautionary statements (CLP)	Modified	
2.3	Other hazards which do not result in classification	Added	
3	Composition/information on ingredients	Modified	
4.1	First-aid measures after eye contact	Added	
4.1	First-aid measures after ingestion	Added	
4.1	First-aid measures after inhalation	Added	
4.1	First-aid measures general	Added	
4.1	First-aid measures after skin contact	Added	
4.2	Symptoms/effects after skin contact	Added	
4.2	Symptoms/effects after inhalation	Added	
4.2	Symptoms/effects after ingestion	Added	
4.2	Symptoms/effects after eye contact	Added	
4.2	Symptoms/effects	Added	
4.3	Other medical advice or treatment	Added	
5.1	Unsuitable extinguishing media	Added	
5.1	Suitable extinguishing media	Added	
5.2	Hazardous decomposition products in case of fire	Added	
5.2	Fire hazard	Added	
5.2	Explosion hazard	Added	
5.3	Precautionary measures fire	Added	
5.3	Protection during firefighting	Added	
5.3	Firefighting instructions	Added	
6.1	General measures	Added	
6.1	Protective equipment	Added	
6.1	Emergency procedures	Added	
6.1	Protective equipment	Added	
6.1	Emergency procedures	Added	
6.2	Environmental precautions	Added	
6.3	For containment	Added	
6.3	Methods for cleaning up	Added	
6.4	Reference to other sections (8, 13)	Added	
7.1	Additional hazards when processed	Added	



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Indication of changes			
Section	Changed item	Change	Comments
7.1	Precautions for safe handling	Added	
7.1	Hygiene measures	Added	
7.2	Incompatible products	Added	
7.2	Incompatible materials	Added	
7.2	Technical measures	Added	
7.2	Storage conditions	Added	
7.2	Storage temperature	Added	
7.2	Storage area	Added	
7.2	Special rules on packaging	Added	
7.3	Specific end uses	Added	
8.2	Eye protection	Added	
8.2	Respiratory protection	Added	
8.2	Personal protective equipment	Added	
8.2	Hand protection	Added	
8.2	Appropriate engineering controls	Added	
8.2	Skin and body protection	Added	
9.1	Boiling point	Modified	
9.1	Flash point	Modified	
9.1	Relative density	Modified	
9.1	Auto-ignition temperature	Modified	
9.1	Odour	Modified	
9.1	Oxidising properties	Added	
9.1	Explosive properties	Added	
9.1	Viscosity, kinematic	Added	
9.1	Solubility	Added	
9.1	Vapour pressure	Added	
9.1	Partition coefficient n-octanol/water (Log Pow)	Added	
9.1	Appearance	Added	
9.1	Physical state	Added	
10.1	Reactivity	Added	
10.2	Chemical stability	Added	
10.3	Possibility of hazardous reactions	Added	
10.4	Conditions to avoid	Added	
10.5	Incompatible materials	Added	
10.6	Hazardous decomposition products	Added	



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Indication of changes			
Section	Changed item	Change	Comments
11.1	Reason for no classification	Added	
11.1	Reason for no classification	Added	
11.1	Reason for no classification	Added	
11.1	Reason for no classification	Added	
11.1	Reason for no classification	Added	
11.1	Reason for no classification	Added	
11.1	Reason for no classification	Added	
11.1	Reason for no classification	Added	
11.1	Reason for no classification	Added	
11.1	Reason for no classification	Added	
12.1	Additional ecotoxicological information	Added	
12.1	Ecology - general	Added	
12.2	Persistence and degradability	Added	
12.3	Bioaccumulative potential	Added	
12.3	Partition coefficient n-octanol/water (Log Pow)	Added	
12.4	Ecology - soil	Added	
13.1	Product/Packaging disposal recommendations	Added	
13.1	Additional information	Added	
13.1	Regional legislation (waste)	Added	
14.1	UN-No. (ADN)	Added	
14.1	UN-No. (IMDG)	Added	
14.1	UN-No. (IATA)	Added	
14.2	Proper Shipping Name (ADN)	Added	
14.2	Proper Shipping Name (ADR)	Added	
14.3	Danger labels (ADR)	Added	
14.3	Class (ADR)	Added	
14.3	Danger labels (RID)	Added	
14.6	Special provisions (ADN)	Added	
14.6	Special packing provisions (IMDG)	Added	
14.6	Packing instructions (IMDG)	Added	
14.6	Classification code (ADR)	Added	
14.6	Transport category (ADR)	Added	
14.6	Special provisions (ADR)	Added	
14.6	Limited quantities (ADR)	Added	





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Indication of changes			
Section	Changed item	Change	Comments
14.6	Excepted quantities (ADR)	Added	
14.6	Tunnel restriction code (ADR)	Added	
15.2	Chemical safety assessment	Added	
16	Data sources	Added	

Data sources : ECHA (European Chemicals Agency). Supplier's safety documents. UNECE, <http://www.unece.org/>.

Full text of H- and EUH-statements:	
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Flam. Gas 1A	Flammable gases, Category 1A
Flam. Liq. 2	Flammable liquids, Category 2
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H361f	Suspected of damaging fertility.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
Press. Gas	Gases under pressure
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis

Safety Data Sheet (SDS), EU

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