

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 19/07/2017 Revision date: :

Version: 1.0

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

Mixture

AL0-130137 Trade product

## 1.1. Product identifier

Product form	:
Product name	:
Product code	:
Product group	:

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

## 1.2.1. Relevant identified uses

Main use category Industrial/Professional use spec : Laboratory use: Industrial For professional use only

Custom Landfill/TLC Mix

### 1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Phenova 6390 Joyce Dr. Suite 100 80403 Golden, CO - United States T 1-866-942-2978 - F 1-866-283-0269 info@phenova.com - www.phenova.com

1.4. Emergency telephone number

Emergency number

: ChemTel Assistance (US/Canada) 1-800-255-3924 ChemTel Assistance (International) +1 813-248-0585

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

Flam. Liq. 2	H225
Acute Tox. 3 (Oral)	H301
Acute Tox. 3 (Dermal)	H311
Skin Sens. 1	H317
Carc. 1B	H350
STOT SE 1	H370
Aquatic Chronic 3	H412
Ozone	

### Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Carc.Cat.2; R45 F; R11 T; R23/24/25 T; R39/23/24/25 R43 N; R59 R19 R52/53 Full text of R-phrases: see section 16

### Adverse physicochemical, human health and environmental effects

No additional information available

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2.2. Label elements		
Labelling according to Regulation (EC) No. 1272/2008 [CLP]		
Hazard pictograms (CLP)		
Signal word (CLP)	GHS02 GHS06 GHS08 : Danger	
Hazard statements (CLP)	<ul> <li>H225 - Highly flammable liquid and vapour</li> <li>H301+H311 - Toxic if swallowed or in contact with skin</li> <li>H317 - May cause an allergic skin reaction</li> <li>H350 - May cause cancer</li> <li>H370 - Causes damage to organs</li> <li>H412 - Harmful to aquatic life with long lasting effects</li> </ul>	
Precautionary statements (CLP)	<ul> <li>P201 - Obtain special instructions before use</li> <li>P233 - Keep container tightly closed</li> <li>P260 - Do not breathe dust/fume/gas/mist/vapours/spray</li> <li>P270 - Do not eat, drink or smoke when using this product</li> <li>P273 - Avoid release to the environment</li> <li>P280 - Wear protective gloves/protective clothing/eye protection/face protection</li> <li>P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting</li> <li>P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.</li> <li>Rinse skin with water</li> <li>P308+P313 - IF exposed or concerned: Get medical advice/attention</li> <li>P331+P33 - If skin irritation or rash occurs: Get medical advice/attention</li> <li>P361+P363 - Take off immediately all contaminated clothing and wash it before reuse</li> <li>P403+P235 - Store in a well-ventilated place. Keep cool</li> <li>P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation</li> </ul>	
EUH-statements	: EUH059 - Hazardous to the ozone layer EUH019 - May form explosive peroxides	

No labelling applicable

2.3. Other hazards

No additional information available

## 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]
methanol (Component)	(CAS-No.) 67-56-1 (EC-No.) 200-659-6 (EC Index-No.) 603-001-00-X	96.8	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 STOT SE 1, H370
1,1,2-trichloro-1,2,2-trifluoroethane (Component)	(CAS-No.) 76-13-1 (EC-No.) 200-936-1	0.2	Aquatic Chronic 2, H411 Ozone
1,4-dioxane (Component)	(CAS-No.) 123-91-1 (EC-No.) 204-661-8 (EC Index-No.) 603-024-00-5	0.2	Flam. Liq. 2, H225 Carc. 2, H351 Eye Irrit. 2, H319 STOT SE 3, H335
acetonitrile (Component)	(CAS-No.) 75-05-8 (EC-No.) 200-835-2 (EC Index-No.) 608-001-00-3	0.2	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2, H319
allyl chloride (Component)	(CAS-No.) 107-05-1 (EC-No.) 203-457-6 (EC Index-No.) 602-029-00-X	0.2	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Muta. 2, H341 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373 Aquatic Acute 1, H400

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
acrylonitrile, inhibited (Component)	(CAS-No.) 107-13-1 (EC-No.) 203-466-5 (EC Index-No.) 608-003-00-4	0.2	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Oral), H310 Acute Tox. 2 (Dermal), H310 Acute Tox. 3 (Inhalation), H331 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 1B, H350 STOT SE 3, H335 Aquatic Chronic 2, H411
methacrylonitrile (Component)	(CAS-No.) 126-98-7 (EC-No.) 204-817-5 (EC Index-No.) 608-010-00-2	0.2	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Skin Sens. 1, H317
propionitrile (Component)	(CAS-No.) 107-12-0 (EC-No.) 203-464-4	0.2	Flam. Liq. 2, H225 Acute Tox. 2 (Oral), H300 Acute Tox. 2 (Dermal), H310 Eye Irrit. 2, H319
ethyl methacrylate (Component)	(CAS-No.) 97-63-2 (EC-No.) 202-597-5 (EC Index-No.) 607-071-00-2	0.2	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT SE 3, H335
methylmethacrylate (Component)	(CAS-No.) 80-62-6 (EC-No.) 201-297-1 (EC Index-No.) 607-035-00-6	0.2	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT SE 3, H335
cyclohexane (Component)	(CAS-No.) 110-82-7 (EC-No.) 203-806-2 (EC Index-No.) 601-017-00-1	0.2	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
methylcyclohexane (Component)	(CAS-No.) 108-87-2 (EC-No.) 203-624-3 (EC Index-No.) 601-018-00-7	0.2	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411
1,4-dichloro-2-butene, trans- (Component)	(CAS-No.) 110-57-6 (EC-No.) 203-779-7 (EC Index-No.) 602-073-00-X	0.2	Flam. Liq. 3, H226 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Skin Corr. 1B, H314 Carc. 1B, H350 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2-chloro-1,3-butadiene, inhibited (Component)	(CAS-No.) 126-99-8 (EC-No.) 204-818-0 (EC Index-No.) 602-036-00-8	0.2	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Carc. 1B, H350 STOT SE 3, H335 STOT RE 2, H373
Name	Product identifier		concentration limits
methanol (Component)	(CAS-No.) 67-56-1 (EC-No.) 200-659-6 (EC Index-No.) 603-001-00-X	(C >= 10) S	0) STOT SE 2, H371 STOT SE 1, H370
methacrylonitrile (Component)	(CAS-No.) 126-98-7 (EC-No.) 204-817-5 (EC Index-No.) 608-010-00-2	(,	Skin Sens. 1, H317
1,4-dichloro-2-butene, trans- (Component)	(CAS-No.) 110-57-6 (EC-No.) 203-779-7 (EC Index-No.) 602-073-00-X		) Carc. 1B, H350 FOT SE 3, H335

## SECTION 4: First aid measures

4.1. Description of first aid measures		
First-aid measures general	: Never give anything by mouth to an unconscious person. Call a POISON CENTER or doctor/physician. IF exposed or concerned: Get medical advice/attention.	
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing.	
First-aid measures after skin contact	: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing Immediately call a POISON CENTER or doctor/physician. Wash with plenty of soap ar Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. Get medical advice/attention.	nd water.
First-aid measures after eye contact	: Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously water for several minutes. Obtain medical attention if pain, blinking or redness persists	
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First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Immediately call POISON CENTER or doctor/physician.
4.2. Most important symptoms and effects	s, both acute and delayed
Symptoms/effects after inhalation	: May cause an allergic skin reaction.
Symptoms/effects after skin contact	: Repeated exposure to this material can result in absorption through skin causing significant health hazard. Toxic in contact with skin.
Symptoms/effects after ingestion	: Toxic if swallowed. Swallowing a small quantity of this material will result in serious health hazard.
4.3. Indication of any immediate medical a	attention and special treatment needed
No additional information available	
SECTION 5: Firefighting measures	
5.1. Extinguishing media	. Lles sutinguishing modie en nominte for surrounding fire
Suitable extinguishing media Unsuitable extinguishing media	<ul> <li>Use extinguishing media appropriate for surrounding fire.</li> <li>Do not use a heavy water stream.</li> </ul>
5.2. Special hazards arising from the subs	stance or mixture
Fire hazard	: Highly flammable liquid and vapour.
Explosion hazard	: May form flammable/explosive vapour-air mixture. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. May form explosive peroxides.
5.3. Advice for firefighters	
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. DO NOT fight fire whe fire reaches explosives. Evacuate area.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
SECTION 6: Accidental release measu	IRAC
6.1. Personal precautions, protective equi	pment and emergency procedures
6.1.1. For non-emergency personnel	
Emergency procedures	: Evacuate unnecessary personnel.
6.1.2. For emergency responders	
Protective equipment	: Equip cleanup crew with proper protection. Avoid breathing dust/fume/gas/mist/vapours/spray
Emergency procedures	: Ventilate area.
6.2. Environmental precautions	
•	authorities if liquid enters sewers or public waters. Avoid release to the environment.
6.3. Methods and material for containment	t and cleaning up
Methods for cleaning up	: Take up in absorbent material. Collect spillage.
6.4. Reference to other sections	
See Heading 8. Exposure controls and personal pr	rotection.
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Additional hazards when processed	: Handle empty containers with care because residual vapours are flammable. Hazardous wast
Precautions for safe handling	due to potential risk of explosion. : Wash hands and other exposed areas with mild soap and water before eating, drinking or
	smoking and when leaving work. Provide good ventilation in process area to prevent formatior of vapour. No open flames. No smoking. Use only non-sparking tools. Obtain special
	instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from sources of ignition - No smoking.
Hygiene measures	<ul> <li>instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from sources of ignition - No smoking.</li> <li>Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Gently wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing.</li> </ul>
Hygiene measures 7.2. Conditions for safe storage, including	<ul> <li>instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from sources of ignition - No smoking.</li> <li>Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Gently wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing.</li> </ul>
	<ul> <li>instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from sources of ignition - No smoking.</li> <li>Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Gently wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing.</li> </ul>
7.2. Conditions for safe storage, including	<ul> <li>instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from sources of ignition - No smoking.</li> <li>Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Gently wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing.</li> <li>any incompatibilities</li> <li>Proper grounding procedures to avoid static electricity should be followed. Ground/bond</li> </ul>
7.2. Conditions for safe storage, including Technical measures	<ul> <li>instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from sources of ignition - No smoking.</li> <li>Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Gently wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing.</li> <li>any incompatibilities</li> <li>Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment.</li> <li>Keep in fireproof place. Keep container tightly closed. Keep container tightly closed and in a</li> </ul>

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7.3. Specific end use(s)	
No additional information available	
SECTION 8: Exposure controls/	personal protection
8.1. Control parameters	
No additional information available	
8.2. Exposure controls	
Appropriate engineering controls	: Either local exhaust or general room ventilation is usually required.
Personal protective equipment	<ul> <li>Avoid all unnecessary exposure. Gloves. Protective clothing. Protective goggles. Safety glasses.</li> </ul>
Hand protection	<ul> <li>Wear chemically resistant protective gloves. Wear suitable gloves resistant to chemical penetration.</li> </ul>
Eye protection	: Chemical goggles or safety glasses. Safety glasses.
Skin and body protection	: Wear chemically protective gloves, lab coat or apron to prevent prolonged or repeated skin contact.

Respiratory protection

Other information

### : Do not eat, drink or smoke during use.

recommended.

Where exposure through inhalation may occur from use, respiratory protection equipment is

## SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties		
Physical state	: Liquid	
Colour	: Colourless.	
Odour	: characteristic.	
рН	: No data available	
Melting point	: No data available	
Freezing point	: No data available	
Boiling point	: No data available	
Flash point	: No data available	
Auto-ignition temperature	: No data available	
Decomposition temperature	: No data available	
Flammability (solid, gas)	: Highly flammable liquid and vapour	
Relative density	: No data available	
Solubility	: No data available	
Explosive properties	: May form explosive peroxides.	
Oxidising properties	: No data available	
Explosive limits	: No data available	

9.2. Other information

## No additional information available

### SECTION 10: Stability and reactivity

IU.I. Reactivity	0.1.	Reactivity	
IU.I. Reactivity	0.1.	Reactivity	

## No additional information available

10.2. Chemical stability

Highly flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

10.3. Possibility of hazardous reactions

Reacts vigorously with strong oxidizers and acids.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Heat. Sparks. Overheating.

10.5. Incompatible materials

### Oxidizing agent.

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10.6. Hazardous decomposition products		
May release flammable gases. May form explosive peroxides.		
SECTION 11: Toxicological information		
1.1. Information on toxicological effects		
Acute toxicity	: Oral: Toxic if swallowed. Dermal: Toxic in contact with skin.	
Custom Landfill/TLC Mix		
ATE CLP (oral)	101.8730251711 mg/kg bodyweight	
ATE CLP (dermal)	304.2789383474 mg/kg bodyweight	
1,1,2-trichloro-1,2,2-trifluoroethane (76-13-1)		
LD50 oral rat	43000 mg/kg (Rat)	
LD50 dermal rabbit	> 11000 mg/kg (Rabbit)	
LC50 inhalation rat (mg/l)	300 mg/l/4h (Rat)	
LC50 inhalation rat (ppm)	38500 ppm/4h (Rat)	
ATE CLP (oral)	43000 mg/kg bodyweight	
ATE CLP (gases)	38500 ppmv/4h	
ATE CLP (vapours)	300 mg/l/4h	
ATE CLP (dust,mist)	300 mg/l/4h	
1,4-dioxane (123-91-1)		
LD50 oral rat	> 5000 mg/kg (Rat)	
LD50 dermal rabbit	7600 mg/kg (Rabbit)	
LC50 inhalation rat (mg/l)	51 mg/l/4h (Rat) 14250 ppm/4h (Rat)	
LC50 inhalation rat (ppm)	14250 ppm/4n (Rat)	
acetonitrile (75-05-8)		
LD50 oral rat	> 1327 mg/kg (Rat)	
LD50 dermal rabbit	980 mg/kg (Rabbit)	
LC50 inhalation rat (mg/l)	27 mg/l/4h (Rat)	
LC50 inhalation rat (ppm)	16000 ppm/4h (Rat)	
ATE CLP (oral) ATE CLP (dermal)	500 mg/kg bodyweight 980 mg/kg bodyweight	
ATE CLP (definal) ATE CLP (gases)	16000 ppmv/4h	
ATE CLP (gases) ATE CLP (vapours)	11 mg/l/4h	
ATE CLP (dust,mist)	1.5 mg/l/4h	
acrylonitrile, inhibited (107-13-1)	78 mg/kg (Rat)	
LD50 dermal rat	148 mg/kg (Rat)	
LD50 dermal rabbit	63 mg/kg (Rabbit)	
LC50 inhalation rat (mg/l)	0.72 mg/l/4h (Rat)	
LC50 inhalation rat (ppm)	333 ppm/4h (Rat)	
ATE CLP (oral)	78 mg/kg bodyweight	
ATE CLP (dermal)	63 mg/kg bodyweight	
ATE CLP (gases)	333 ppmv/4h	
ATE CLP (vapours)	0.72 mg/l/4h	
ATE CLP (dust,mist)	0.72 mg/l/4h	
allyl chloride (107-05-1)		
LD50 oral rat	425 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value; 275-455 mg/kg bodyweight; Rat; OECD 401: Acute Oral Toxicity; Experimental value; 379 - 419 mg/kg bodyweight; Rat)	
LD50 dermal rabbit	2066 mg/kg (Rabbit; Experimental value; Equivalent or similar to OECD 402; 398 mg/kg bodyweight; Rabbit)	
LC50 inhalation rat (mg/l)	6.7 mg/l/4h (Rat)	
LC50 inhalation rat (ppm)	2100 ppm/4h (Rat)	
ATE CLP (oral)	425 mg/kg bodyweight	
ATE CLP (dermal)	1100 mg/kg bodyweight	
ATE CLP (gases)	2100 ppmv/4h	
ATE CLP (vapours)	6.7 mg/l/4h	
ATE CLP (dust,mist)	1.5 mg/l/4h	
cyclohexane (110-82-7)		
LD50 oral rat	> 12705 mg/kg (Rat; Equivalent or similar to OECD 401; Experimental value; >5000 mg/kg bodyweight; Rat)	
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cyclohexane (110-82-7)	
LD50 dermal rabbit	> 2000 mg/kg bodyweight (Rabbit; Experimental value; Equivalent or similar to OECD 402)
LC50 inhalation rat (mg/l)	<ul> <li>&gt; 19.07 mg/l/4h (Rat; Experimental value)</li> <li>&gt; 5540 ppm/4h (Rat)</li> </ul>
LC50 inhalation rat (ppm)	> 5540 ppm/4ft (Rat)
ethyl methacrylate (97-63-2)	
LD50 oral rat	14800 mg/kg (Rat)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	38 mg/l/4h (Rat)
LC50 inhalation rat (ppm)	8300 ppm/4h (Rat)
ATE CLP (oral)	14800 mg/kg bodyweight
ATE CLP (gases)	8300 ppmv/4h
ATE CLP (vapours)	38 mg/l/4h
ATE CLP (dust,mist)	38 mg/l/4h
methacrylonitrile (126-98-7)	
LD50 oral rat	64 - 73 mg/kg (Rat)
LD50 dermal rabbit	280 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	0.66 mg/l/4h (Rat)
LC50 inhalation rat (ppm)	328 ppm/4h (Rat)
ATE CLP (oral)	64 mg/kg bodyweight
ATE CLP (dermal)	280 mg/kg bodyweight
ATE CLP (gases)	328 ppmv/4h
ATE CLP (vapours)	0.66 mg/l/4h
ATE CLP (dust,mist)	0.66 mg/l/4h
methylmethacrylate (80-62-6)	· · ·
LD50 oral rat	> 6000 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; 7900 mg/kg
	bodyweight; Rat; Equivalent of similar to OECD 401; Weight of evidence; 8400 mg/kg bodyweight; Rat; Weight of evidence)
LD50 dermal rabbit	> 7550 mg/kg (Rabbit; Literature study; Equivalent or similar to OECD 402; >5000 mg/kg bodyweight; Rabbit; Experimental value)
LC50 inhalation rat (mg/l)	27.5 mg/l/4h (Rat; Literature study)
ATE CLP (vapours)	27.5 mg/l/4h
ATE CLP (dust,mist)	27.5 mg/l/4h
methylcyclohexane (108-87-2)	
LD50 oral rat	> 5840 mg/kg bodyweight (Rat; OECD 401: Acute Oral Toxicity; Read-across)
LD50 dermal rat	> 2800 mg/kg bodyweight (Rat; Read-across)
LD50 dermal rabbit	86700 mg/kg (Rabbit; Literature study)
propionitrile (107-12-0)	
LD50 oral rat	39 mg/kg (Rat)
LD50 dermal rabbit	164 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	1.6 mg/l/4h (Rat)
LC50 inhalation rat (ppm)	730 ppm/4h (Rat)
ATE CLP (oral)	39 mg/kg bodyweight
ATE CLP (dermal)	164 mg/kg bodyweight
ATE CLP (gases)	730 ppmv/4h
ATE CLP (vapours)	1.6 mg/l/4h
ATE CLP (dust,mist)	1.6 mg/l/4h
1,4-dichloro-2-butene, trans- (110-57-6)	
	0.45 mg/l/4h (Dot)
LC50 inhalation rat (mg/l)	0.45 mg/l/4h (Rat)
LC50 inhalation rat (ppm)	86 ppm/4h (Rat)
ATE CLP (oral)	100 mg/kg bodyweight
ATE CLP (dermal)	300 mg/kg bodyweight
ATE CLP (gases)	86 ppmv/4h
ATE CLP (vapours)	0.45 mg/l/4h
ATE CLP (dust,mist)	0.45 mg/l/4h
2-chloro-1,3-butadiene, inhibited (126-99-8)	
LD50 oral rat	251 mg/kg (Rat)
LD50 dermal rabbit	2200 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	11.8 mg/l/4h (Rat)
ATE CLP (oral)	251 mg/kg bodyweight

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2-chloro-1,3-butadiene, inhibited (126-99-8)	
ATE CLP (dermal)	2200 mg/kg bodyweight
ATE CLP (gases)	4500 ppmv/4h
ATE CLP (vapours)	11.8 mg/l/4h
ATE CLP (dust,mist)	1.5 mg/l/4h
methanol (67-56-1)	
LD50 oral rat	> 5000 mg/kg (Rat; BASF test; Literature study; 1187-2769 mg/kg bodyweight; Rat; Weight of evidence)
LD50 dermal rabbit	15800 mg/kg (Rabbit; Literature study)
LC50 inhalation rat (mg/l)	85 mg/l/4h (Rat; Literature study)
LC50 inhalation rat (ppm)	64000 ppm/4h (Rat; Literature study)
ATE CLP (oral)	100 mg/kg bodyweight
ATE CLP (dermal)	300 mg/kg bodyweight
ATE CLP (gases)	700 ppmv/4h
ATE CLP (vapours)	3 mg/l/4h
ATE CLP (dust,mist)	0.5 mg/l/4h
Skin corrosion/irritation	: Not classified
	Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Not classified
	Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
<b>C</b> <i>i</i>	Based on available data, the classification criteria are not met
Carcinogenicity	: May cause cancer.
<b>G</b>	May cause cancer
Reproductive toxicity	Not classified
	Based on available data, the classification criteria are not met
STOT-single exposure	: Causes damage to organs.
STOT-repeated exposure	: Not classified
STOT-repeated exposure	
	Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified
	Based on available data, the classification criteria are not met
Potential adverse human health effects and symptoms	: Toxic if swallowed. Toxic in contact with skin.

## **SECTION 12: Ecological information**

12.1. Toxicity	
Ecology - air	: Dangerous for the ozone layer.
Ecology - water	: Harmful to aquatic life with long lasting effects.
1,1,2-trichloro-1,2,2-trifluoroethane (76-	13-1)
EC50 Daphnia 1	71 mg/l (EC50; 48 h)
LC50 fish 2	7.4 mg/l (LC50; 96 h; Salmo gairdneri)
1,4-dioxane (123-91-1)	
EC50 Daphnia 1	8450 mg/l (EC50; 24 h)
LC50 fish 2	13000 mg/l (LC50; 96 h)
Threshold limit algae 2	5600 mg/l (EC0; 192 h)
acetonitrile (75-05-8)	
LC50 fish 1	1640 mg/l (LC50; Other; 96 h; Pimephales promelas; Flow-through system; Fresh water; Experimental value)
EC50 Daphnia 1	> 1000 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Semi-static system; Fresh water; Experimental value)
Threshold limit algae 1	9696 mg/l (EC50; ISO 10253; 72 h; Phaeodactylum; Static system; Salt water; Experimental value)
Threshold limit algae 2	> 1000 mg/l (EC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Pseudokirchneriella subcapitata; Static system; Fresh water; Experimental value)
acrylonitrile, inhibited (107-13-1)	
EC50 Daphnia 1	7.55 mg/l (EC50; 48 h)
LC50 fish 2	25 mg/l (LC50; 96 h; Brachydanio rerio)

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allyl chloride (107-05-1)	
LC50 fish 2	0.32 mg/l (LC50; 96 h; Pimephales promelas; Static system)
EC50 Daphnia 2	0.25 - 0.4 mg/l (LC50; 96 h; Daphnia magna; Static system)
cyclohexane (110-82-7)	
LC50 fish 1	4.53 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Pimephales promelas; Flow- through system; Fresh water; Experimental value)
EC50 Daphnia 1	0.9 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
Threshold limit algae 1	3.428 mg/l (EbC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Selenastrum capricornutum)
Threshold limit algae 2	0.925 mg/l (NOEC; OECD 201: Alga, Growth Inhibition Test; 72 h; Selenastrum capricornutum)
methacrylonitrile (126-98-7)	
LC50 fish 1	100 - 1000 mg/l (LC50; 96 h)
methylmethacrylate (80-62-6)	
EC50 Daphnia 1	69 mg/l (EC50; EPA OTS 797.1300; 48 h; Daphnia magna; Flow-through system; Fresh water; Experimental value)
LC50 fish 2	191 mg/l (LC50; EPA 660/3 - 75/009; 96 h; Lepomis macrochirus; Static system; Fresh water; Experimental value)
methylcyclohexane (108-87-2)	
LC50 fish 2	5.4 mg/l (LC50; 96 h; Salmo gairdneri; Semi-static system)
Threshold limit algae 2	29 mg/l (ErC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Selenastrum capricornutum; Static system; Fresh water; Read-across)
propionitrile (107-12-0)	
LC50 fish 1	1520 mg/l (LC50; 96 h; Pimephales promelas)
2-chloro-1,3-butadiene, inhibited (126-9	9-8)
LC50 fish 1	245 mg/l (LC50; 96 h; Lepomis macrochirus)
EC50 Daphnia 1	348 mg/l (EC50; 24 h)
Threshold limit algae 1	380 mg/l (EC50; 168 h)
methanol (67-56-1)	
LC50 fish 1	15400 mg/l (LC50; EPA 660/3 - 75/009; 96 h; Lepomis macrochirus; Flow-through system; Fresh water; Experimental value)
EC50 Daphnia 1	> 10000 mg/l (EC50; DIN 38412-11; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)
LC50 fish 2	10800 mg/l (LC50; 96 h; Salmo gairdneri)

## 12.2. Persistence and degradability

Custom Landfill/TLC Mix	
Persistence and degradability	May cause long-term adverse effects in the environment.
1,1,2-trichloro-1,2,2-trifluoroethane (76-13-1)	
Persistence and degradability	Not readily biodegradable in water. Biodegradable in the soil under anaerobic conditions.
1,4-dioxane (123-91-1)	
Persistence and degradability	Not readily biodegradable in water. Non degradable in the soil. Photooxidation in the air.
Biochemical oxygen demand (BOD)	0 g O /g substance
ThOD	1.8 g O /g substance
BOD (% of ThOD)	0
acetonitrile (75-05-8)	
Persistence and degradability	Readily biodegradable in water. No (test)data on mobility of the substance available.
Biochemical oxygen demand (BOD)	0.17 g O /g substance
ThOD	3.12 g O /g substance
BOD (% of ThOD)	0.055
acrylonitrile, inhibited (107-13-1)	
Persistence and degradability	Inherently biodegradable. Not readily biodegradable in water. Biodegradable in water. Biodegradable in the soil.
Biochemical oxygen demand (BOD)	0.72 g O /g substance
Chemical oxygen demand (COD)	1.39 g O /g substance
ThOD	3.17 g O /g substance
BOD (% of ThOD)	0.22

allyl chloride (107-05-1)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Highly mobile in soil. Photodegradation in the air.
Biochemical oxygen demand (BOD)	0.23 g O /g substance
Chemical oxygen demand (COD)	0.86 g O /g substance
ThOD	1.7 g O /g substance
BOD (% of ThOD)	0.14 (5 days; Calculated value)
cyclohexane (110-82-7)	
Persistence and degradability	Readily biodegradable in water. Non degradable in the soil. Low potential for adsorption in soil.
Biochemical oxygen demand (BOD) ThOD	0.22 g O /g substance 3.425 g O /g substance
BOD (% of ThOD)	< 0.5 (Literature study)
ethyl methacrylate (97-63-2)	
Persistence and degradability	Biodegradable in water.
methacrylonitrile (126-98-7)	
Persistence and degradability	Biodegradable in the soil.
methylmethacrylate (80-62-6)	
Persistence and degradability	Readily biodegradable in water. No (test)data on mobility of the substance available. Photolysis in the air.
Biochemical oxygen demand (BOD)	0.14 g O /g substance
ThOD	1.9 g O /g substance
BOD (% of ThOD)	0.073
methylcyclohexane (108-87-2)	Networkit, bis demonde ble in sustand bern dem tiel fan ede em tier in seil
Persistence and degradability	Not readily biodegradable in water. Low potential for adsorption in soil.
propionitrile (107-12-0)	
Persistence and degradability	Biodegradability in water: no data available.
2-chloro-1,3-butadiene, inhibited (126-99	-8)
Persistence and degradability	Not readily biodegradable in water. Ozonation in the air. Photolysis in the air. Photooxidation in the air.
methanol (67-56-1)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Highly mobile in soil.
Biochemical oxygen demand (BOD)	0.6 - 1.12 g O /g substance
Chemical oxygen demand (COD)	1.42 g O /g substance
ThOD	1.5 g O /gsubstance
BOD (% of ThOD)	0.8 (Literature study)
, ,	
2.3. Bioaccumulative potential	
Custom Landfill/TLC Mix	
	Not established.
Custom Landfill/TLC Mix	
Custom Landfill/TLC Mix Bioaccumulative potential	
Custom Landfill/TLC Mix Bioaccumulative potential 1,1,2-trichloro-1,2,2-trifluoroethane (76-1	3-1)
Custom Landfill/TLC Mix         Bioaccumulative potential         1,1,2-trichloro-1,2,2-trifluoroethane (76-1)         BCF fish 1	3-1) 11 - 86 (BCF)
Custom Landfill/TLC Mix         Bioaccumulative potential         1,1,2-trichloro-1,2,2-trifluoroethane (76-1)         BCF fish 1         Log Pow         Bioaccumulative potential	3-1)         11 - 86 (BCF)           1.66 - 3.3 (Calculated)
Custom Landfill/TLC Mix Bioaccumulative potential 1,1,2-trichloro-1,2,2-trifluoroethane (76-1) BCF fish 1 Log Pow Bioaccumulative potential 1,4-dioxane (123-91-1)	3-1)       11 - 86 (BCF)       1.66 - 3.3 (Calculated)       Low potential for bioaccumulation (BCF < 500).
Custom Landfill/TLC Mix Bioaccumulative potential 1,1,2-trichloro-1,2,2-trifluoroethane (76-1) BCF fish 1 Log Pow Bioaccumulative potential 1,4-dioxane (123-91-1) BCF fish 1	3-1)         11 - 86 (BCF)           1.66 - 3.3 (Calculated)           Low potential for bioaccumulation (BCF < 500).
Custom Landfill/TLC Mix Bioaccumulative potential 1,1,2-trichloro-1,2,2-trifluoroethane (76-1) BCF fish 1 Log Pow Bioaccumulative potential 1,4-dioxane (123-91-1) BCF fish 1 Log Pow	3-1)         11 - 86 (BCF)         1.66 - 3.3 (Calculated)         Low potential for bioaccumulation (BCF < 500).
Custom Landfill/TLC Mix         Bioaccumulative potential         1,1,2-trichloro-1,2,2-trifluoroethane (76-1)         BCF fish 1         Log Pow         Bioaccumulative potential         1,4-dioxane (123-91-1)         BCF fish 1         Log Pow         Bioaccumulative potential         1,4-dioxane (123-91-1)         BCF fish 1         Log Pow         Bioaccumulative potential	3-1)         11 - 86 (BCF)           1.66 - 3.3 (Calculated)           Low potential for bioaccumulation (BCF < 500).
Custom Landfill/TLC Mix         Bioaccumulative potential         1,1,2-trichloro-1,2,2-trifluoroethane (76-1)         BCF fish 1         Log Pow         Bioaccumulative potential         1,4-dioxane (123-91-1)         BCF fish 1         Log Pow         Bioaccumulative potential         acetonitrile (75-05-8)	3-1)         11 - 86 (BCF)         1.66 - 3.3 (Calculated)         Low potential for bioaccumulation (BCF < 500).
Custom Landfill/TLC Mix         Bioaccumulative potential         1,1,2-trichloro-1,2,2-trifluoroethane (76-1)         BCF fish 1         Log Pow         Bioaccumulative potential         1,4-dioxane (123-91-1)         BCF fish 1         Log Pow         Bioaccumulative potential         1,4-dioxane (123-91-1)         BCF fish 1         Log Pow         Bioaccumulative potential         acetonitrile (75-05-8)         BCF other aquatic organisms 1	3-1)         11 - 86 (BCF)         1.66 - 3.3 (Calculated)         Low potential for bioaccumulation (BCF < 500).
Custom Landfill/TLC Mix         Bioaccumulative potential         1,1,2-trichloro-1,2,2-trifluoroethane (76-1)         BCF fish 1         Log Pow         Bioaccumulative potential         1,4-dioxane (123-91-1)         BCF fish 1         Log Pow         Bioaccumulative potential         acetonitrile (75-05-8)         BCF other aquatic organisms 1         Log Pow	3-1)         11 - 86 (BCF)         1.66 - 3.3 (Calculated)         Low potential for bioaccumulation (BCF < 500).
Custom Landfill/TLC Mix         Bioaccumulative potential         1,1,2-trichloro-1,2,2-trifluoroethane (76-1)         BCF fish 1         Log Pow         Bioaccumulative potential         1,4-dioxane (123-91-1)         BCF fish 1         Log Pow         Bioaccumulative potential         1,4-dioxane (123-91-1)         BCF fish 1         Log Pow         Bioaccumulative potential         acetonitrile (75-05-8)         BCF other aquatic organisms 1	3-1)         11 - 86 (BCF)         1.66 - 3.3 (Calculated)         Low potential for bioaccumulation (BCF < 500).
Custom Landfill/TLC Mix         Bioaccumulative potential         1,1,2-trichloro-1,2,2-trifluoroethane (76-1)         BCF fish 1         Log Pow         Bioaccumulative potential         1,4-dioxane (123-91-1)         BCF fish 1         Log Pow         Bioaccumulative potential         acetonitrile (75-05-8)         BCF other aquatic organisms 1         Log Pow	3-1)         11 - 86 (BCF)         1.66 - 3.3 (Calculated)         Low potential for bioaccumulation (BCF < 500).
Custom Landfill/TLC Mix Bioaccumulative potential 1,1,2-trichloro-1,2,2-trifluoroethane (76-1) BCF fish 1 Log Pow Bioaccumulative potential 1,4-dioxane (123-91-1) BCF fish 1 Log Pow Bioaccumulative potential acetonitrile (75-05-8) BCF other aquatic organisms 1 Log Pow Bioaccumulative potential	3-1)         11 - 86 (BCF)         1.66 - 3.3 (Calculated)         Low potential for bioaccumulation (BCF < 500).
Custom Landfill/TLC MixBioaccumulative potential1,1,2-trichloro-1,2,2-trifluoroethane (76-1)BCF fish 1Log PowBioaccumulative potential1,4-dioxane (123-91-1)BCF fish 1Log PowBioaccumulative potentialacetonitrile (75-05-8)BCF other aquatic organisms 1Log PowBioaccumulative potentialacetonitrile, inhibited (107-13-1)	3-1)         11 - 86 (BCF)         1.66 - 3.3 (Calculated)         Low potential for bioaccumulation (BCF < 500).
Custom Landfill/TLC Mix         Bioaccumulative potential         1,1,2-trichloro-1,2,2-trifluoroethane (76-1)         BCF fish 1         Log Pow         Bioaccumulative potential         1,4-dioxane (123-91-1)         BCF fish 1         Log Pow         Bioaccumulative potential         acetonitrile (75-05-8)         BCF other aquatic organisms 1         Log Pow         Bioaccumulative potential         acrylonitrile, inhibited (107-13-1)         BCF fish 1	3-1)         11 - 86 (BCF)         1.66 - 3.3 (Calculated)         Low potential for bioaccumulation (BCF < 500).
Custom Landfill/TLC Mix         Bioaccumulative potential         1,1,2-trichloro-1,2,2-trifluoroethane (76-1)         BCF fish 1         Log Pow         Bioaccumulative potential         1,4-dioxane (123-91-1)         BCF fish 1         Log Pow         Bioaccumulative potential         acetonitrile (75-05-8)         BCF other aquatic organisms 1         Log Pow         Bioaccumulative potential         acrylonitrile, inhibited (107-13-1)         BCF fish 1         Log Pow	3-1)         11 - 86 (BCF)         1.66 - 3.3 (Calculated)         Low potential for bioaccumulation (BCF < 500).
Custom Landfill/TLC Mix         Bioaccumulative potential         1,1,2-trichloro-1,2,2-trifluoroethane (76-1)         BCF fish 1         Log Pow         Bioaccumulative potential         1,4-dioxane (123-91-1)         BCF fish 1         Log Pow         Bioaccumulative potential         acetonitrile (75-05-8)         BCF other aquatic organisms 1         Log Pow         Bioaccumulative potential         acrylonitrile, inhibited (107-13-1)         BCF fish 1         Log Pow	3-1)         11 - 86 (BCF)         1.66 - 3.3 (Calculated)         Low potential for bioaccumulation (BCF < 500).

allyl chloride (107-05-1)	
Log Pow	2.1 (Experimental value; OECD 117: Partition Coefficient (n-octanol/water), HPLC method; 25
	°C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
cyclohexane (110-82-7)	
BCF fish 2	31 - 129 (BCF; 8 weeks; Cyprinus carpio)
Log Pow	3.44 (Experimental value; 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
ethyl methacrylate (97-63-2)	
BCF fish 1	5 - 18 (BCF)
Log Pow Bioaccumulative potential	1.94 Low potential for bioaccumulation (BCF < 500).
•	Low potential for bloaccumulation (BCP < 500).
methacrylonitrile (126-98-7)	Net bioconsulative
Bioaccumulative potential	Not bioaccumulative.
methylmethacrylate (80-62-6)	
BCF fish 1	2.97 - 3.5 (BCF)
Log Pow	1.32 - 1.38 (Experimental value; OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method; 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
methylcyclohexane (108-87-2)	
BCF fish 1	95 - 321 (BCF; 8 weeks; Cyprinus carpio)
Log Pow	3.88 (Literature)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
propionitrile (107-12-0)	
Log Pow	0.16
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
1,4-dichloro-2-butene, trans- (110-57-6)	
Log Pow	2.11 - 2.6 (QSAR)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
2-chloro-1,3-butadiene, inhibited (126-99	-8)
Log Pow	0.57 - 2.2
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
methanol (67-56-1)	
BCF fish 1	< 10 (BCF; 72 h; Leuciscus idus)
Log Pow	-0.77 (Experimental value; Other)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
12.4. Mobility in soil	
1,1,2-trichloro-1,2,2-trifluoroethane (76-1	3-1)
Surface tension	0.023 N/m
1,4-dioxane (123-91-1)	
Surface tension	0.037 N/m (20 °C)
acetonitrile (75-05-8)	
Surface tension	0.029 N/m (20 °C)
acrylonitrile, inhibited (107-13-1)	
Surface tension	0.027 N/m (20 °C)
allyl chloride (107-05-1)	
Surface tension	0.023 N/m (20 °C)
Log Koc	log Koc,SRC PCKOCWIN v2.0; 1.67; Calculated value
cyclohexane (110-82-7)	
Surface tension	0.025 N/m (20 °C)
Log Koc	log Koc,Other; 2.89; QSAR; Koc; Other; 770; QSAR
methacrylonitrile (126-98-7)	
Surface tension	0.024 N/m (20 °C)
methylmethacrylate (80-62-6)	0.028 N/m (20 °C)
Surface tension	0.028 N/m (20 °C)

methylcyclohexane (108-87-2)	
Log Koc	log Koc,SRC PCKOCWIN v2.0; 2.369; Calculated value
propionitrile (107-12-0)	
Surface tension	0.027 N/m (25 °C)
1,4-dichloro-2-butene, trans- (110-57-6)	
Surface tension	0.024 N/m (20 °C)
Log Koc	log Koc,2.33; Experimental value; Other isomer
•	·······
methanol (67-56-1) Surface tension	0.022 N/m (20 °C)
	0.023 N/m (20 °C) Koc,PCKOCWIN v1.66; 1; Calculated value
Log Koc	
12.5. Results of PBT and vPvB assessment	
No additional information available	
12.6. Other adverse effects	
Additional information	: Avoid release to the environment
SECTION 13: Disposal considerations	
13.1. Waste treatment methods	
	: Dispose in a safe manner in accordance with local/national regulations.
Additional information	: Handle empty containers with care because residual vapours are flammable. Hazardous waste
	due to potential risk of explosion.
Ecology - waste materials	: Avoid release to the environment. Hazardous waste due to toxicity.
SECTION 14: Transport information	
In accordance with ADR / RID / IMDG / IATA / ADN	
14.1. UN number	
	: 1992
UN-No. (IATA)	: 1992
	: 1992
	: 1992
	. 1992
14.2. UN proper shipping name	
	: FLAMMABLE LIQUID, TOXIC, N.O.S.
Transport document description (ADR)	: UN 1992 FLAMMABLE LIQUID, TOXIC, N.O.S., 3 (6.1), II, (D/E)
14.3. Packing group	
Class (ADR)	: 3
	: FT1
Class (IATA)	: 3
	: 3
	: 3
	: FT1
	: 6.1
	: 6.1
	3, 6.1
Hazard labels (IATA)	: 3, 6.1

according to Regulation (EC) No. 1907/2006 (REACH) wit Danger labels (IMDG)	
Danger labels (IMDG)	: 3, 6.1
	6
Danger labels (ADN)	: 3, 6.1
	6
14.4. Packing group	
Packing group (ADR)	: II
Packing group (IATA)	
Packing group (IMDG) Packing group (ADN)	: II : II
14.5. Environmental hazards	• <b>n</b>
Other information	: No supplementary information available.
14.6. Special precautions for user	· · · · · · · · · · · · · · · · · · ·
14.6.1. Overland transport	
Hazard identification number (Kemler No.)	: 336
Classification code (ADR)	: FT1
Orange plates	336
	1992
Special provisions (ADR)	: 274
Transport category (ADR)	: 2
Tunnel restriction code (ADR)	: Z : D/E
Limited quantities (ADR)	: 11
Excepted quantities (ADR)	: E2
	. L2
14.6.2. Transport by sea	
Special provisions (IMDG)	: 274
Limited quantities (IMDG)	: 1L
Excepted quantities (IMDG)	: E2
Packing instructions (IMDG)	: P001
IBC packing instructions (IMDG)	: IBC02
Tank instructions (IMDG)	: T7
Tank special provisions (IMDG)	: TP2, TP13
EmS-No. (Fire)	: F-E
EmS-No. (Spillage)	: S-D
Stowage category (IMDG)	: B
Properties and observations (IMDG)	: Flammable toxic liquid which is not specified by name in this class or, on account of its characteristics, in some other class. Toxic if swallowed, by skin contact or by inhalation.
4400 M 4	,
14.6.3. Air transport	. 204
CAO packing instructions (IATA)	: 364
CAO max net quantity (IATA)	: 60L
PCA packing instructions (IATA)	: 352
PCA Limited quantities (IATA)	: Y341
PCA limited quantity max net quantity (IATA)	: 1L - 11
PCA max net quantity (IATA)	: 1L
PCA Excepted quantities (IATA)	: E2
Special provisions (IATA)	: A3
ERG code (IATA)	: 3HP
14.6.4. Inland waterway transport	
Special provisions (ADN)	: 274, 802
Limited quantities (ADN)	: 1L
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Excepted quantities (ADN)	: E2
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP, EP, EX, TOX, A
Ventilation (ADN)	: VE01, VE02
Number of blue cones/lights (ADN)	: 2
Carriage prohibited (ADN)	: No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 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

### 15.1.2. National regulations

OFOTION 4C. Other inf

No additional information available

15.2.	Chemical safety assessment	

No chemical safety assessment has been carried out

SECTION 16: Other Informat	lon
Data sources	REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Other information	: None.

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