

Safety Data Sheet

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

Date of issue: 11/07/2018 Revision date: : Version: 1.0

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

1.1. Product identifier

Product form : Mixture

Product name : Custom SS 508 Spike Mix

Product code : AL0-130362
Product group : Trade product

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

1.2.1. Relevant identified uses

Main use category : Laboratory Use Industrial/Professional use spec : Industrial

For professional use only

Use of the substance/mixture : Certified reference material for laboratory use only

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

 Eye Irrit. 2
 H319

 STOT SE 3
 H336

 Aquatic Chronic 3
 H412

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

F; R11 Xi; R36 R66 R67 R52/53

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP)



GHS02



GHS07

Signal word (CLP) : Danger

Hazard statements (CLP) : H225 - Highly flammable liquid and vapor

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H319 - Causes serious eye irritation

H336 - May cause drowsiness or dizziness

H412 - Harmful 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

P233 - Keep container tightly closed

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray P271 - Use only outdoors or in a well-ventilated area

P273 - Avoid release to the environment

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing

P308+P313 - IF exposed or concerned: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention P370+P378 - In case of fire: Use media other than water to extinguish

P403+P235 - Store in a well-ventilated place. Keep cool

P501 - Dispose of contents/container to hazardous or special waste collection point, in

accordance with local, regional, national and/or international regulation

EUH phrases : EUH066 - Repeated exposure may cause skin dryness or cracking

No labeling 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]
ethyl acetate (Component)	(CAS No) 141-78-6 (EC-No.) 205-500-4 (EC index no) 607-022-00-5	99.99	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
alachlor (Component)	(CAS No) 15972-60-8 (EC-No.) 240-110-8 (EC index no) 616-015-00-6	0.002	Acute Tox. 4 (Oral), H302 Skin Sens. 1, H317 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
dieldrin (Component)	(CAS No) 60-57-1 (EC-No.) 200-484-5 (EC index no) 602-049-00-9	0.001	Acute Tox. 2 (Oral), H300 Acute Tox. 1 (Dermal), H310 Carc. 2, H351 STOT RE 1, H372 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)
Hexachlorocyclopentadiene (Component)	(CAS No) 77-47-4 (EC-No.) 201-029-3 (EC index no) 602-078-00-7	0.001	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 2 (Inhalation), H330 Skin Corr. 1B, H314 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)
heptachlor epoxide (isomer B) (Component)	(CAS No) 1024-57-3 (EC-No.) 213-831-0 (EC index no) 602-063-00-5	0.0002	Acute Tox. 3 (Oral), H301 Carc. 2, H351 STOT RE 2, H373 Aquatic Acute 1, H400 (M=10000) Aquatic Chronic 1, H410 (M=10000)
endrin (Component)	(CAS No) 72-20-8 (EC-No.) 200-775-7 (EC index no) 602-051-00-X	0.0001	Acute Tox. 1 (Oral), H300 Acute Tox. 1 (Dermal), H310 Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410 (M=1000)

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. 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. Call a

POISON CENTER or doctor/physician if you feel unwell.

First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing.

Repeated exposure may cause skin dryness or cracking.

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: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness First-aid measures after eye contact

persists.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation : May cause drowsiness or dizziness.

Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media : Do not use a heavy water stream.

Special hazards arising from the substance or mixture

: Highly flammable liquid and vapor. Fire hazard

Explosion hazard May form flammable/explosive vapor-air mixture.

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 environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

Personal precautions, protective equipment 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/vapors/spray.

Emergency procedures : Ventilate area.

Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up in absorbent material. Collect spillage.

Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

Precautions for safe handlin

Additional hazards when processed : Handle empty containers with care because residual vapors are flammable.

Wash hands and other exposed areas with mild soap and water before eating, drinking or Precautions for safe handling

smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No open flames. No smoking. Use only non-sparking tools. Use only outdoors or in a well-ventilated area.

: Gently wash with plenty of soap and water. Remove/Take off immediately all contaminated Hygiene measures

clothing. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond

container and receiving equipment.

Keep in fireproof place. Keep container tightly closed. Keep container tightly closed and in a Storage conditions

well-ventilated place. Keep away from any flames or sparking source.

Incompatible materials Direct sunlight. Heat sources.

Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

alachlor (15972-60-8)			
Belgium	Limit value (mg/m³)	1 mg/m³ (Alachlore (vapeur et aérosol); Belgium; Time-weighted average exposure limit 8 h)	
Belgium	t value (ppm) 0.1 ppm (Alachlore (vapeur et aérosol); Belgium; Time-weighted average exposure limit 8 h)		

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alachlor (15972-60-8)		
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m³)	1 mg/m³ (Alachlor; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Inhalable fraction and vapor)
dieldrin (60-57-1)		
Belgium	Limit value (mg/m³)	0.25 mg/m³ (Dieldrin; Belgium; Time-weighted average exposure limit 8 h)
France	VME (mg/m³)	0.25 mg/m³ (Dieldrine; France; Time-weighted average exposure limit 8 h; VL: Valeur non réglementaire indicative)
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m³)	0.1 mg/m³ (Dieldrin; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Inhalable fraction and vapor)
endrin (72-20-8)		
Belgium	Limit value (mg/m³)	0.1 mg/m³ (Endrin; Belgium; Time-weighted average exposure limit 8 h)
France	VME (mg/m³)	0.1 mg/m³ (Endrine; France; Time-weighted average exposure limit 8 h; VL: Valeur non réglementaire indicative)
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m³)	0.1 mg/m³ (Endrin; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
heptachlor epoxide (isomer l	B) (1024-57-3)	
Belgium	Limit value (mg/m³)	0.05 mg/m³ (Heptachlore époxyde; Belgium; Time- weighted average exposure limit 8 h)
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m³)	0.05 mg/m³ (Heptachlor epoxide; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
Hexachlorocyclopentadiene	(77-47-4)	
Belgium	Limit value (mg/m³)	0.11 mg/m³ (Hexachlorocyclopentadiène; Belgium; Time-weighted average exposure limit 8 h)
Belgium	Limit value (ppm)	0.01 ppm (Hexachlorocyclopentadiène; Belgium; Time-weighted average exposure limit 8 h)
France	VME (mg/m³)	0.1 mg/m³ (Hexachlorocyclopentadiène; France; Time- weighted average exposure limit 8 h; VL: Valeur non réglementaire indicative)
France	VME (ppm)	0.01 ppm (Hexachlorocyclopentadiène; France; Time- weighted average exposure limit 8 h; VL: Valeur non réglementaire indicative)
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	0.01 ppm (Hexachlorocyclopentadiene; USA; Time- weighted average exposure limit 8 h; TLV - Adopted Value)
ethyl acetate (141-78-6)		
Belgium	Limit value (mg/m³)	1461 mg/m³ (Acétate d'éthyle; Belgium; Time- weighted average exposure limit 8 h)
Belgium	Limit value (ppm)	400 ppm (Acétate d'éthyle; Belgium; Time-weighted average exposure limit 8 h)
France	VME (mg/m³)	1400 mg/m³ (Acétate d'éthyle; France; Time-weighted average exposure limit 8 h; VL: Valeur non réglementaire indicative)
France	VME (ppm)	400 ppm (Acétate d'éthyle; France; Time-weighted average exposure limit 8 h; VL: Valeur non réglementaire indicative)
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	400 ppm (Ethyl acetate; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
United Kingdom	WEL TWA (ppm)	200 ppm Ethyl acetate; United Kingdom; Time- weighted average exposure limit 8 h; Workplace exposure limit (EH40/2005)
United Kingdom	WEL STEL (ppm)	400 ppm Ethyl acetate; United Kingdom; Short time value; Workplace exposure limit (EH40/2005)

8.2. Exposure controls

Appropriate engineering controls

: Either local exhaust or general room ventilation is usually required.

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Personal protective equipment : Avoid all unnecessary exposure. Gloves. Protective clothing. Protective goggles. Safety

glasses.









Hand protection : Wear chemically resistant protective gloves. Wear suitable gloves resistant to chemical

penetration.

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

recommended.

Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state · Liquid Color : Colorless. Odor · characteristic pН : No data available Melting point : No data available : No data available Freezing point : No data available Boiling point Flash point : No data available : No data available Auto-ignition temperature Decomposition temperature : No data available

Flammability (solid, gas) : Highly flammable liquid and vapor

Relative density : No data available Solubility : No data available Explosive properties : No data available Oxidizing properties : No data available Explosion limits : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

May release flammable gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

alachlor (15972-60-8)		
LD50 oral rat	930 mg/kg (Rat)	
LD50 dermal rat	> 2000 mg/kg (Rat)	
LD50 dermal rabbit	3500 mg/kg (Rabbit)	

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alachlor (15972-60-8)	
ATE CLP (oral)	930 mg/kg body weight
ATE CLP (dermal)	3500 mg/kg body weight
dieldrin (60-57-1)	
LD50 oral rat	38 mg/kg (Rat)
ATE CLP (oral)	38 mg/kg body weight
ATE CLP (dermal)	5 mg/kg body weight
endrin (72-20-8)	
LD50 oral rat	3 mg/kg (Rat)
LD50 dermal rat	12 mg/kg (Rat)
LD50 dermal rabbit	60 mg/kg (Rabbit)
ATE CLP (oral)	3 mg/kg body weight
ATE CLP (dermal)	12 mg/kg body weight
heptachlor epoxide (isomer B) (1024-57-3)	
LD50 oral rat	60 mg/kg (Rat)
ATE CLP (oral)	60 mg/kg body weight
,	- Co migrity body weight
Hexachlorocyclopentadiene (77-47-4) LD50 oral rat	245 manifest (Date Dissanting and all values 200 manifest had a resident. Date Dissanting and all values 505
	315 mg/kg (Rat; Experimental value; 200 mg/kg bodyweight; Rat; Experimental value; 505 mg/kg bodyweight; Rat; Experimental value; 690 mg/kg bodyweight; Rat; Experimental value; 640 mg/kg bodyweight; Rat)
LD50 dermal rat	2000-3200,Rat; Experimental value
LD50 dermal rabbit	200 - 340 mg/kg (Rabbit; Experimental value; 430 mg/kg bodyweight; Rabbit)
LC50 inhalation rat (mg/l)	0.018 mg/l/4h (Rat; Experimental value; 0,04 mg/l/4h; Rat; Experimental value)
ATE CLP (oral)	315 mg/kg body weight
ATE CLP (dermal)	200 mg/kg body weight
ATE CLP (gases)	100 ppmV/4h
ATE CLP (vapors)	0.018 mg/l/4h
ATE CLP (dust, mist)	0.018 mg/l/4h
ethyl acetate (141-78-6)	
LD50 oral rat	5620 mg/kg (Rat; Equivalent or similar to OECD 401; Experimental value; 10200 mg/kg bodyweight; Rat)
LD50 dermal rabbit	> 18000 mg/kg (Rabbit; Experimental value; 24 hour cuff method; >20000 mg/kg bodyweight; Rabbit)
LC50 inhalation rat (mg/l)	70.56 mg/l/4h (Rat)
LC50 inhalation rat (ppm)	19600 ppm/4h (Rat)
ATE CLP (oral)	5620 mg/kg body weight
ATE CLP (gases)	19600 ppmV/4h
ATE CLP (vapors)	70.56 mg/l/4h
ATE CLP (dust, mist)	70.56 mg/l/4h
Skin corrosion/irritation	: Not classified
	Repeated exposure may cause skin dryness or cracking
Serious eye damage/irritation	: Causes serious eye irritation.
	Based on available data, the classification criteria are not met
Respiratory or skin sensitization	: 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 May cause cancer
Reproductive toxicity	: Not classified
•	Based on available data, the classification criteria are not met
Specific target organ toxicity – single exposure	: May cause drowsiness or dizziness.
	·
Specific target organ toxicity – repeated exposure	: Not classified Based on available data, the classification criteria are not met
	pasca on available data, the classification differs are not lift.
•	
Spiration hazard	: Not classified Based on available data, the classification criteria are not met

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Potential Adverse human health effects and

SECTION 12: Ecological information

: Based on available data, the classification criteria are not met.

symptoms	
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Bioaccumulative potential

12.1. Toxicity	
Ecology - water	: Harmful to aquatic life with long lasting effects.
_cology - water	. Hamilul to aquatic life with long lasting effects.
alachlor (15972-60-8)	
LC50 fish 1	1.8 mg/l (LC50; 96 h)
Threshold limit algae 1	0.35 mg/l (EC50)
dieldrin (60-57-1)	
LC50 fish 1	0.0012 mg/l (LC50; 96 h; Salmo gairdneri)
EC50 Daphnia 1	0.19 mg/l (EC50; 48 h)
Threshold limit algae 1	> 100 ppm (EC50)
endrin (72-20-8)	
LC50 fish 2	0.0006 mg/l (LC50; 96 h)
EC50 Daphnia 2	0.0042 mg/l (EC50; 48 h)
heptachlor epoxide (isomer B) (1024-57-	3)
EC50 Daphnia 1	0.00004 mg/l (LC50; 96 h)
LC50 fish 2	5.37 mg/l (LC50; 96 h)
Hexachlorocyclopentadiene (77-47-4)	
LC50 fish 1	0.007 mg/l (LC50; 96 h; Pimephales promelas; Flow-through system; Fresh water)
EC50 other aquatic organisms 1	0.19 mg/l (96 h; Selenastrum capricornutum; Growth rate)
ethyl acetate (141-78-6)	
LC50 fish 2	230 mg/l (LC50; US EPA; 96 h; Pimephales promelas; Flow-through system; Fresh water;
	Experimental value)
EC50 Daphnia 2	154 mg/l (EC50; 48 h; Daphnia magna)
12.2. Persistence and degradability	
Custom SS 508 Spike Mix	May agua lang tarm advarsa offsata in the anvironment
Persistence and degradability	May cause long-term adverse effects in the environment.
alachlor (15972-60-8)	
Persistence and degradability	Biodegradability in soil: no data available.
dieldrin (60-57-1)	
Persistence and degradability	Not readily biodegradable in water. Forming sediments in water. Non degradable in the soil. Adsorbs into the soil.
endrin (72-20-8)	
Persistence and degradability	Not readily biodegradable in water. Forming sediments in water. Non degradable in the soil. Adsorbs into the soil.
heptachlor epoxide (isomer B) (1024-57-	3)
Persistence and degradability	Forming sediments in water. Adsorbs into the soil.
Hexachlorocyclopentadiene (77-47-4)	
Persistence and degradability	Not readily biodegradable in water. Photolysis in water. Biodegradable in the soil. Adsorbs into the soil. Photolysis in the air.
ethyl acetate (141-78-6)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Low potential for adsorption in soil.
Biochemical oxygen demand (BOD)	0.293 g O ₂ /g substance
Chemical oxygen demand (COD)	1.69 g O_2/g substance
ThOD	1.82 g O ₂ /g substance
12.3. Bioaccumulative potential	
Custom SS 508 Spike Mix	
Bioaccumulative potential	Not established.
·	
dieldrin (60-57-1) BCF fish 1	3300 (BCF)
BCF fish 2	4430 (BCF)
BCF other aquatic organisms 1	2880 (BCF; 168 h)
BCF other aquatic organisms 2	1570 (BCF; 50 h)
Log Pow	5.4 - 5.61 (Experimental value)
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High potential for bioaccumulation (Log Kow > 5).

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endrin (72-20-8)				
BCF fish 1	15000 (BCF)			
BCF fish 2	6400 (BCF)			
BCF other aquatic organisms 1	500 - 2780 (BCF)			
BCF other aquatic organisms 2	1920 (BCF; 50 h)			
Log Pow	4.56 - 5.2 (Experimental value)			
Bioaccumulative potential	High potential for bioaccumulation (BCF > 5000).			
heptachlor epoxide (isomer B) (1024-57-3)				
BCF fish 1	14455 (BCF; 672 h)			
BCF other aquatic organisms 1	1700 (BCF; 50 h)			
BCF other aquatic organisms 2	10630 (BCF)			
Log Pow	4.43 - 5.40			
Bioaccumulative potential	High potential for bioaccumulation (BCF > 5000).			
Hexachlorocyclopentadiene (77-47-4)				
BCF fish 1	1230 (BCF; 72 h; Leuciscus idus)			
BCF other aquatic organisms 1	1090 (BCF; 24 h; Chlorella sp.)			
Log Pow	3.99-5.51			
Bioaccumulative potential	Potential for bioaccumulation (500 ≤ BCF ≤ 5000).			
ethyl acetate (141-78-6)				
BCF fish 1	30 (BCF; 3 days; Leuciscus idus; Static system)			
Log Pow	0.68 (Experimental value; EPA OPPTS 830.7560; 25 °C)			
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).			
12.4. Mobility in soil				
alachlor (15972-60-8)				
Ecology - soil	Not toxic to bees in normal conditions of use.			
dieldrin (60-57-1)				
Ecology - soil	Soil contaminant. Toxic to bees.			
endrin (72-20-8)				
Ecology - soil	Toxic to flora. Toxic to fauna. Toxic to bees.			
Hexachlorocyclopentadiene (77-47-4)				
Surface tension	0.0375 N/m (20 °C)			
Log Koc	Koc,4265; Experimental value			
ethyl acetate (141-78-6)				
Surface tension	0.024 N/m (20 °C)			
12.5. Results of PBT and vPvB assessmen	nt en			
No additional information available				
12.6. Other adverse effects				
Additional information	: Avoid release to the environment			
SECTION 13: Disposal consideration	SECTION 12: Dianage considerations			
SECTION 13. Disposal consideration	\$			
13.1 Waste treatment methods				
13.1. Waste treatment methods	· Dispose in a sofe manner in accordance with level/national regulations			
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.			
	 Dispose in a safe manner in accordance with local/national regulations. Handle empty containers with care because residual vapors are flammable. Avoid release to the environment. 			

SECTION 14: Transport information

In accordanc	e with ADR	/ RID /	IMDG /	IATA /	ADN

14.1. UN number UN-No. (ADR) : 1993 UN-No. (IATA) : 1993 UN-No. (IMDG) : 1993 : 1993 UN-No. (ADN)

14.2. UN proper shipping name

Proper Shipping Name (ADR) : FLAMMABLE LIQUID, N.O.S. Proper Shipping Name (IATA) : Flammable liquid, n.o.s. Proper Shipping Name (IMDG) : FLAMMABLE LIQUID, N.O.S. Proper Shipping Name (ADN) : FLAMMABLE LIQUID, N.O.S.

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Transport document description (ADR) : UN 1993 FLAMMABLE LIQUID, N.O.S., 3, II, (D/E)

14.3. Packing group

 Class (ADR)
 : 3

 Classification code (ADR)
 : F1

 Class (IATA)
 : 3

 Class (IMDG)
 : 3

 Class (ADN)
 : 3

 Classification code (ADN)
 : F1

 Hazard labels (ADR)
 : 3



Hazard labels (IATA) : 3



Hazard labels (IMDG) : 3



Hazard labels (ADN) : 3



14.4. Packing group

Packing group (ADR) : II
Packing group (IATA) : II
Packing group (IMDG) : II
Packing group (ADN) : II

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

Hazard identification number (Kemler No.) : 33 Classification code (ADR) : F1

Orange plates



Special provision (ADR) : 274, 601, 640D

Transport category (ADR) : 2

Tunnel restriction code (ADR) : D/E

Limited quantities (ADR) : 11

Excepted quantities (ADR) : E2

14.6.2. Transport by sea

Special provision (IMDG) : 274
Limited quantities (IMDG) : 1 L
Excepted quantities (IMDG) : E2
Packing instructions (IMDG) : P001
IBC packing instructions (IMDG) : IBC02
Tank instructions (IMDG) : T7

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Tank special provisions (IMDG) : TP1, TP8, TP28

EmS-No. (Fire) : F-E
EmS-No. (Spillage) : S-E
Stowage category (IMDG) : B

14.6.3. Air transport

CAO packing instructions (IATA) : 364 CAO max net quantity (IATA) : 60L PCA packing instructions (IATA) : 353 PCA Limited quantities (IATA) : Y341 PCA limited quantity max net quantity (IATA) : 1L PCA max net quantity (IATA) : 5L PCA Excepted quantities (IATA) : E2 Special provision (IATA) : A3 ERG code (IATA) : 3H

14.6.4. Inland waterway transport

Special provision (ADN) : 274, 601, 640D

Limited quantities (ADN) : 1 L

Excepted quantities (ADN) : E2

Carriage permitted (ADN) : T

Equipment required (ADN) : PP, EX, A

Ventilation (ADN) : VE01

Ventilation (ADN) : VE01

Number of blue cones/lights (ADN) : 1

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 REACH candidate substance

Contains no REACH Annex XIV substances.

15.1.2. National regulations

Germany

Water hazard class (WGK) : 1 - slightly hazardous to water

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE

COUNCIL of 16 December 2008 on classification, labeling 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.

PHV SDS EU

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