

Contact Sheet



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Sparex AgriColor 400 ml. Aerosol**13007-105215.2**

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

Format : Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

1.1 Identification of the product : Aerosol.

Trade name : Sparex AgriColor 400ml. Aerosol

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

Use : Industrial.
Domestic.

1.3 Details of the supplier of the safety data sheet

Company identification : Sparex Limited
Exeter Airport
EX5 2 LJ Devon UNITED KINGDOM
T. : +44(0)1392 441300

1.4 Emergency telephone number

Emergency phone nr : +44(0)1392 441300 (8.00 - 17.00 p.m.) www.sparex.com.

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

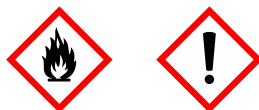
Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

- **Health hazards** : Eye irritation - Category 2A - Warning - (CLP : Eye Irrit. 2) - H319
Specific Target Organ Toxicity - Single exposure - Narcotic effects - Category 3 - Warning - (CLP : STOT SE 3) - H336
Specific Target Organ Toxicity - Single exposure - Narcotic effects - Category 3 - Warning - (CLP : STOT SE 3) - H336
- **Physical hazards** : Flammable aerosols - Category 1 - Danger - (CLP : Flam. Aerosol 1) - H222

2.2 Label elements

Labelling Regulation EC 1272/2008 (CLP)

• Hazard pictograms



- **Signal words** : Danger
- **Hazard statements** : H222 - H229 Extremely flammable aerosol. Pressurized container: May burst if heated
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness
H336 - May cause drowsiness or dizziness
- **Supplemental hazard information** : EUH066 - EUH066 - Repeated exposure may cause skin dryness or cracking
Contains :
Acetone
Butanone
Ethyl acetate
1-Butanol

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SECTION 2 Hazards identification (continued)

• Pictograms (Precautionary statements)



- General** : P101 - If medical advice is needed, have product container or label at hand
P102 - Keep out of reach of children.
- Prevention** :
P210 - Keep away from heat, sparks, open flames or hot surfaces. – No smoking.
P211 - Do not spray on an open flame or other ignition source
P251 - Do not pierce or burn, even after use
P260 - Do not breathe vapours/spray.
- Response** : P305B - IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists : Get medical advice.
- Storage** : P410+412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F
- Disposal considerations** : P501 - Dispose in a safe manner in accordance with local/national regulations.
- 2.3 Other hazards**
- Other hazards** : Results of PBT and vPvB assessment
PBT : Not applicable
vPvB : Not applicable
None under normal conditions.

SECTION 3 Composition/information on ingredients

Substance / Preparation

Components : Mixture of substances listed below with nonhazardous additions.

Substance name	Contents	CAS No	EC No	Annex No	Registration number	Classification
Butane n-	10 - 15 %	106-97-8	203-448-7	601-004-00-0	01-2119474691-32	F+, R12 Flam. Gas 1;H220 Liquefied gas;H280
Propane	10 - 15 %	74-98-6	200-827-9	601-003-00-5	601-003-00-5	F+, R12 Flam. Gas 1;H220 Liquefied gas;H280
Isobutane	1 - 5 %	75-28-5	200-857-2	601-004-00-0	01-2119485395-27	F+, R12 Flam. Gas 1;H220 Liquefied gas;H280
Acetone	5 - 10 %	67-64-1	200-662-2	606-001-00-8	01-2119471330-49	F, R11 R66 R67 Xi, R36 Flam. Liq. 2;H225 Eye Irrit. 2;H319 EUH066 STOT SE3; H336
Butanone	15 - 30 %	78-93-3	201-159-0	606-002-00-3	01-2119457290-43	F, R11 R66 R67 Xi, R36 Flam. Liq. 2;H225 Eye Irrit. 2;H319 EUH066 STOT SE3; H336
Ethyl acetate	5 - 10 %	141-78-6	205-500-4	607-022-00-5	01-2119475103-46	F, R11 R66 R67 Xi, R36 Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE3; H336

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SECTION 3 Composition/information on ingredients (continued)

						EUH066	
Xylene	:	5 - 10 %	1330-20-7	215-535-7	601-022-00-9	01-2119488216-32	R10 Xn: R20/21 Xi; R38 ----- Flam. Liq. 3;H226 Acute Tox. 4 (Dermal);H312 Acute Tox. 4 (Inhalation);H332 Skin Irrit. 2;H315
Ethylbenzene	:	1 - 5 %	100-41-4	202-849-4	601-023-00-4	01-2119489370-35	F; R11 Xn; R20 ----- Flam. Liq. 2;H225 Acute Tox. 4 (Inhalation);H332
1,2,4-trimethylbenzene	:	0.01 - 1 %	95-63-6	202-436-9	601-043-00-3	----	R10 Xn; R20 Xi; R36/37/38 N; R51-53 ----- Flam. Liq. 3;H226 Acute Tox. 4 (Inhalation);H332 Eye Irrit. 2;H319 Skin Irrit. 2;H315 STOT SE3;H335 Aquatic Chronic 2;H411
1-Butanol	:	1 - 5 %	71-36-3	200-751-6	603-004-00-6	01-2119484630-38	R10 Xn; R22 R67 Xi; R37/38-41 ----- Eye Dam. 1;H318 Flam. Liq. 3;H226 Acute Tox. 4 (Oral);H302 Skin Irrit. 2;H315 STOT SE3;H335 STOT SE3; H336

Text of H / R-Phrases : See Heading 16.

SECTION 4 First aid measures

4.1 Description of first aid measures

- **General information** : Symptoms often do not appear for several hours.
Seek medical attention if ill effect develops.
- **Inhalation** : Assure fresh air breathing.
If you feel unwell, seek medical advice (show the label where possible).
Keep victim warm and rested.
- **Skin contact** : Generally the product does not irritate the skin.
- **Eye contact** : In case of eye contact, immediately rinse with clean water for 10-15 minutes.
Obtain medical attention if pain, blinking, tears or redness persist.
- **Ingestion** : Give water to drink if victim completely conscious/alert.
Seek medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5 Firefighting measures

5.1 Extinguishing media

- **Suitable extinguishing media** : Powder.
Water fog.
Carbon dioxide.
Alcohol resistant foam.

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SECTION 5 Firefighting measures (continued)

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

5.2 Special hazards arising from the substance or mixture

Specific hazards : When heated to decomposition, emits dangerous fumes.
Produces dense black smoke when burning, obscuring vision.

5.3 Advice for firefighters

Flammable class : Extremely flammable.

Special protective equipment for fire fighters : Do not enter fire area without proper protective equipment, including respiratory protection.

Special procedures : Prevent entry to sewers and public waters.
Use water spray or fog for cooling exposed containers.

SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

General precautions : Dispose in a safe manner in accordance with local/national regulations.

Personal precautions : Eliminate ignition sources.
Respiratory protection equipment may be necessary.
Wear suitable protective clothing and gloves.
Keep public away from danger area.

6.2 Environmental precautions

Prevent entry to sewers and public waters.
Notify authorities if liquid enters sewers or public waters.

6.3 Methods and material for containment and cleaning up

Clean up methods : Clean up any spills as soon as possible, using an absorbent material to collect it.
Isolate small containers presenting a leak. Use suitable disposal containers.

Special precautions : Ensure adequate air ventilation.

6.4 Reference to other sections

See headings 7,8 and 13.

SECTION 7 Handling and storage

7.1 Precautions for safe handling

Handling : Both local exhaust and general room ventilation are usually required.
Proper grounding procedures to avoid static electricity should be followed.
Keep away from sources of ignition - No smoking.

Precautions in handling and storage : Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on naked flame or any incandescent material.

7.2 Conditions for safe storage, including any incompatibilities

Storage : Store in accordance with local, regional, national or international regulation.
Store in dry, cool, well-ventilated area.
Keep away from : strong acids, bases.

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SECTION 7 Handling and storage (continued)

7.3 Specific end use(s)

No data available.

SECTION 8 Exposure controls/personal protection

8.1 Control parameters

Personal protection

: Avoid contact with eyes.
Avoid contact with skin and eyes.
Do not breathe gas, fumes, vapour or spray.
Keep away from food, drink and animal feeding stuffs.
Remove immediately contaminated clothing.
Keep away from sources of ignition - No smoking.
Wash hands before breaks and at the end of work.
Avoid all unnecessary exposure.

- Respiratory protection

: None under normal conditions.
In case of insufficient ventilation, wear suitable respiratory equipment.

- Skin protection

: None under normal conditions.

- Eye protection

: Eye protection should only be necessary where liquid could be splashed or sprayed.

- Hand protection

: None under normal conditions.

Industrial hygiene

: Keep away from food, drink and animal feeding stuffs.

8.2 Exposure controls

Occupational Exposure Limits

: Butanone : TGG 8 uur (nl) (mg/m³) : 50
Butanone : MAK - Germany [ppm] : 200
Butanone : MAK - Germany [mg/m³] : 600
Butanone : VME - France [ppm] : 200
Butanone : VME - France [mg/m³] : 600
Butanone : STEL - UK [mg/m³] : 300
Butanone : LTEL - UK [ppm] : 899
Butanone : LTEL - UK [ppm] : 200
Butanone : LTEL - UK [mg/m³] : 600
Butanone : TLV^o -STEL [ppm] : 300
Butanone : TLV^o -TWA [ppm] : 200
Butanone : ILV (EU) - 15 min - [ppm] : 300
Butanone : ILV (EU) - 15 min - [mg/m³] : 900
Butanone : ILV (EU) - 8 H - [ppm] : 200
Butanone : ILV (EU) - 8 H - [mg/m³] : 600
Butanone : TGG 8 uur (nl) (mg/m³) : 590
Butanone : TGG 15 min (nl) (mg/m³) : 900 (H)
Propane : TLV^o -TWA [ppm] : 2500
Propane : MAK - Germany [mg/m³] : 1000
Propane : MAK - Germany [ppm] : 1800
Propane : TGG 8 uur (nl) (mg/m³) : 1000
Butane n- : TGG 8 uur (nl) (mg/m³) : 500
Butane n- : MAK - Germany [ppm] : 1000
Butane n- : MAK - Germany [mg/m³] : 2400
Butane n- : VME - France [ppm] : 800
Butane n- : VME - France [mg/m³] : 1900

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SECTION 8 Exposure controls/personal protection (continued)

Butane n- : STEL - UK [mg/m³] : 750
Butane n- : LTEL - UK [ppm] : 1810
Butane n- : LTEL - UK [ppm] : 600
Butane n- : LTEL - UK [mg/m³] : 1450
Butane n- : TLV© -TWA [ppm] : 800
Ethyl acetate : KTV - [mg/m³] : 300
Ethyl acetate : KTV - [ppm] : 300
Ethyl acetate : NGV - [mg/m³] : 500
Ethyl acetate : NGV - [ppm] : 150
Ethyl acetate : HTP-värden - 15min - [mg/m³] : 1800
Ethyl acetate : HTP-värden - 15min - [ppm] : 500
Ethyl acetate : HTP-värden - 8 H - [mg/m³] : 1100
Ethyl acetate : HTP-värden - 8 H - [ppm] : 300
Ethyl acetate : TGG 8 uur (nl) (mg/m³) : 150
Ethyl acetate : TLV© -TWA [ppm] : 400
Ethyl acetate : VLA-ED - Spain [ppm] : 400
Ethyl acetate : VLA-ED [mg/m³] : 1460
Ethyl acetate : LTEL - UK [ppm] : 200
Ethyl acetate : STEL - UK [mg/m³] : 400
Ethyl acetate : VME - France [mg/m³] : 1400
Ethyl acetate : VME - France [ppm] : 400
Ethyl acetate : MAK - Germany [mg/m³] : 1500
Ethyl acetate : MAK - Germany [ppm] : 400
Ethyl acetate : MAK (AU) Tagesmittelwert (ml/m³) : 300
Ethyl acetate : MAK (AU) Kurzzeitwerte (mg/m³) : 2100
Ethyl acetate : MAK (AU) Tagesmittelwert (mg/m³) : 1050
Ethyl acetate : MAK (AU) Kurzzeitwerte (ml/m³) : 600
Xylene : MAC [mg/m³] : 210
Acetone : TGG 8 uur (nl) (mg/m³) : 250
Acetone : MAK - Germany [ppm] : 1200
Acetone : MAK - Germany [mg/m³] : 500
Acetone : VME - France [ppm] : 750
Acetone : VME - France [mg/m³] : 1800
Acetone : STEL - UK [mg/m³] : 1500
Acetone : LTEL - UK [ppm] : 3620
Acetone : ILV (EU) - 8 H - [mg/m³] : 1210
Acetone : ILV (EU) - 8 H - [ppm] : 500
Acetone : TLV© -TWA [ppm] : 500
Acetone : TLV© -STEL [ppm] : 750
Acetone : LTEL - UK [mg/m³] : 1210
Acetone : LTEL - UK [ppm] : 500
Acetone : MAK (AU) Tagesmittelwert (ml/m³) : 500
Acetone : MAK (AU) Tagesmittelwert (mg/m³) : 1200
Acetone : MAK (AU) Kurzzeitwerte (mg/m³) : 4800
Acetone : MAK (AU) Kurzzeitwerte (ml/m³) : 2000
Acetone : TGG 8 uur (nl) (mg/m³) : 1210
Acetone : TGG 15 min (nl) (mg/m³) : 2420
Isobutane : TLV© -TWA [ppm] : 800
Isobutane : MAK - Germany [mg/m³] : 2400
Isobutane : MAK - Germany [ppm] : 1000
Isobutane : MAK (AU) Tagesmittelwert (ml/m³) : 800

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SECTION 8 Exposure controls/personal protection (continued)

Isobutane : MAK (AU) Kurzzeitwerte (mg/m³) : 3800
Isobutane : MAK (AU) Tagesmittelwert (mg/m³) : 1900
Isobutane : MAK (AU) Kurzzeitwerte (ml/m³) : 1600
Ethylbenzene : TGG 8 uur (nl) (mg/m³) : 50
Ethylbenzene : MAK - Germany [ppm] : 100
Ethylbenzene : MAK - Germany [mg/m³] : 440
Ethylbenzene : VME - France [ppm] : 100
Ethylbenzene : VME - France [mg/m³] : 435
Ethylbenzene : LTEL - UK [ppm] : 552
Ethylbenzene : LTEL - UK [ppm] : 100
Ethylbenzene : LTEL - UK [mg/m³] : 441
Ethylbenzene : ILV (EU) - 8 H - [mg/m³] : 442
Ethylbenzene : ILV (EU) - 8 H - [ppm] : 100
Ethylbenzene : ILV (EU) - 15 min - [mg/m³] : 884
Ethylbenzene : ILV (EU) - 15 min - [ppm] : 200
Ethylbenzene : TLV[®] -TWA [ppm] : 100
Ethylbenzene : TLV[®] -STEL [ppm] : 125
Ethylbenzene : VLA-EC [mg/m³] : 884
Ethylbenzene : MAK (AU) Tagesmittelwert (mg/m³) : 440
Ethylbenzene : MAK (AU) Kurzzeitwerte (mg/m³) : 880
Ethylbenzene : MAK (AU) Kurzzeitwerte (ml/m³) : 200
Ethylbenzene : TGG 8 uur (nl) (mg/m³) : 215
1-Butanol : TGV - [mg/m³] : 90
1-Butanol : TGV - [ppm] : 30
1-Butanol : NGV - [mg/m³] : 45
1-Butanol : NGV - [ppm] : 15
1-Butanol : HTP-vården - 15min - [mg/m³] : 230
1-Butanol : HTP-vården - 15min - [ppm] : 75
1-Butanol : HTP-vården - 8 H - [mg/m³] : 150
1-Butanol : HTP-vården - 8 H - [ppm] : 50
1-Butanol : TGG 8 uur (nl) (mg/m³) : 50
1-Butanol : TLV[®] -TWA [ppm] : 20
1-Butanol : VLA-EC [ppm] : 50
1-Butanol : VLA-EC [mg/m³] : 154
1-Butanol : LTEL - UK [ppm] : 154
1-Butanol : STEL - UK [mg/m³] : 50
1-Butanol : VLE - France [mg/m³] : 150
1-Butanol : VLE - France [ppm] : 50
1-Butanol : MAK - Germany [mg/m³] : 310
1-Butanol : MAK - Germany [ppm] : 100
1-Butanol : MAK (AU) Tagesmittelwert (ml/m³) : 50
1-Butanol : MAK (AU) Kurzzeitwerte (mg/m³) : 600
1-Butanol : MAK (AU) Tagesmittelwert (mg/m³) : 150
1-Butanol : MAK (AU) Kurzzeitwerte (ml/m³) : 200

SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

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SECTION 9 Physical and chemical properties (continued)

Appearance	: Aerosol.
Colour	: According to product specification.
Odour	: Characteristic.
<u>Odour threshold</u>	
Not established.	
pH value	: Not established.
<u>Melting point / Freezing point</u>	
Melting point [°C]	: Not established.
<u>Initial boiling point - boiling range</u>	
Initial boiling point [°C]	: Not established.
Flash point [°C]	: <0°C.(32°F) Not applicable as aerosol
Decomposition point [°C]	: Not established.
<u>Auto-ignition temperature</u>	
Thermal decomposition [°C]	: Not established.
<u>Evaporation rate</u>	
Evaporation rate (ether=1)	: Not applicable.
<u>Flammability</u>	
Flammability range [vol% in air]	: Not established.
<u>Explosion limits (lower - upper)</u>	
Explosion limits	: Not established.
Vapour pressure [20°C]	: 4200 hPa
Vapour density	: Not established.
Relative density, gas (air=1)	: Not established.
Relative density, liquid (water=1)	: 0,742 - 0,787 gr/ cm3
Solubility in water	: Not miscible or difficult to mix
<u>Partition coefficient : n-octanol / water</u>	
Partition coefficient : n-octanol / water	: Not established.
<u>Thermal decomposition</u>	
Viscosity	: Not established.
<u>Explosive Properties</u>	
Explosive Properties	: Product is not explosive, However, formation of explosive air/ vapour mixtures are possible.
<u>Oxidising properties</u>	
Oxidising properties	: Not established.

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SECTION 9 Physical and chemical properties (continued)

9.2 Other information

Other data : Organic solvent : 78,5 - 84,59 % %
EU-VOC : 617 - 628 g/l
EU-VOC in % : 78,50 - 84,59 %
No further relevant information

Dry extract [%] : 15,41 - 21,50 %

SECTION 10 Stability and reactivity

10.1 Reactivity

10.2 Chemical stability

Thermal stability : Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : None under normal conditions.

10.4 Conditions to avoid

Conditions to avoid : No data available.

10.5 ncompatible materials

No data available.

10.6 Hazardous decomposition products

Hazardous decomposition products : None under normal conditions.

SECTION 11 Toxicological information

11.1 Information on toxicological effects

Evaluation of the security for the human health

Acute toxicity : 67-64-1 Acetone
Oral LD50 5800 mg/kg(rat)
Dermal LD50 20000 mg/kg(rabbit)
LC50/4h 39 m3 (rat)

71-36-3 1 - Butanol
Oral LD50 4400 mg/kg(rat)
Dermal LD50 4200 mg/kg(rabbit)
LC50 /4h 25 mg/m3(rat)

141-78-6 Ethyl acetate
Oral LD50 5620mg/kg(rat)
Dermal LD50 >18000 mg/kg(rabbit)
LC50/4h 1600 mg/m3(rat)

95-63-6 1,2,4-trimethylbenzeen
Oral LD50(Rat) >5000 mg/kg
Dermal LD50(Rat) 4h 18000 mg/m3

100-41-4 Ethylbenzene
Oral LD50(rat) >2000 mg/kg
Dermal LD50(rabbit) >10000 mg/kg

1330-20-7 Xylene

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SECTION 11 Toxicological information (continued)

	Oral	LD50	4300 mg/kg(rat)
	Derma	LD50	2000 mg/kg(rab)
		LC50/4h	22.1 mg/m3(rat)
	78-93-3	Butanone	
	Oral	LD50	2737 mg/kg(rat)
	Dermal	LD50	6480 mg/kg(rabbit)
		LC50/4h	34 mg/m3(rat)
	106-97-8	Butane	
	LC50 /4h		658 mg/m3 (rat)
- Dermal	:		None under normal conditions.
- Ocular	:		Irritating to eyes.
Sensitization	:		This product has been reported not to cause skin sensitization.
Other	:		The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as the latest version : Irritant.

SECTION 12 Ecological information

12.1 Toxicity

Toxicity information

:	1,2,4-Trimethylbenzeen
	EC50/48h (Daphnia magna) 3,6 mg/l
	LC50//96h (Fish) 7,72 mg/l
	71-36-3 1 - Butanol
	EC50 /48h 1983 mg/l(daphnia magna)
	EC50 /73h 8500 mg/l (alqae)
	100-41-4 Ethylbenzene
	EC50 / 24h (daphnia magna) : > 100 mg/l
	LC50 / 96h (fish) : > 10 mg/l
	1330-20-7 Xylene
	EC50/48h 7.4 mg/l(daphnia magna)
	LC50/96h 13.5 mg/l(fish)
	78-93-3 Butanone
	LC50/96h >2500 mg/l(fish)
	EC50/48h >5000 mg/l (daphnia magna)
	67-6-1 Acetone
	EC50 /48h 39mg/l(daphnia magna)
	LC50 /48h 2262 mg/l(daphiniamagna)
	LC50 /96h(static) 5540 mg/l(fish)
	141-78-6 Ethyl acetate
	EC50 /24h 2500 mg/l(daphnia magna)

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

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SECTION 12 Ecological information (continued)

No data available.

12.5 Results of PBT and vPvB assessment

Not applicable

12.6 Other adverse effects

- Ecological effects information** : No data available.
- Environmental precautions** : Prevent entry to sewers and public waters.
- WGK class (Germany)** : Water hazard class 1 (German Regulation): Slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water organisms.water course or sewage system.
Harmfull to aquatic organisms.
- Water hazard class (nl)** : Classification (Netherlands) 11 Little harmful to aquatic organisms.

SECTION 13 Disposal considerations

13.1 Waste treatment methods

- General** : Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
- Disposal method**
- Industrial waste number** : 08 01 11 - Waste paint and varnish containing organic solvents or other dangerous substances.
15 01 04 - Metallic packaging
- Special precautions** : Do not flush down sewers.
Container under pressure. Do not drill or burn even after use.
Dispose in a safe manner in accordance with local/national regulations.

SECTION 14 Transport information

14.1 UN number

UN No. ADR,IMDG,IATA : 1950

14.2 UN proper shipping name

: ADR 1950 AEROSOLS
IMDG AEROSOLS
IATA AEROSOLS,flammable

14.3 Transport hazard class(es)

• Labelling ADR, IMDG, IATA

**Land transport :**

- **ADR Class** : 2 5F Gases
- **ADR Label** 2.1

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- Class : 2.1
- Label 2.1
- EMS-Nr : F-D , S-U

Air transport :

- IATA - Class or division : 2.1
- IATA-Label : 2.1

14.4 Packing group ADR, IMDG, IATA

Void

14.5 Environmental hazards

Marine pollutant : No

14.6 Special precautions for user

Warning : Gasses
Danger code (Kemler) : -
EMS Number : F-D,S-U

Additional information : None.**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

Transport/ Additional information :

ADR

Limited quantities (LQ) 1L
Excepted quantities (EQ) Code: E0
Not permitted as Excepted Quantity
Transport category 2
Tunnel restriction code D

IMDG

Limited quantities (LQ) 1L
Excepted quantities (EQ) Code: E0
Not permitted as Excepted Quantity

UN "" Model Regulation": UN1950, AEROSOLS, 2.1

SECTION 15 Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Ensure all national/local regulations are observed.

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SECTION 15 Regulatory information (continued)

Germany : Water hazard class 1 (German Regulation): Slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water,
water organisms.water course or sewage system.
Harmful to aquatic organisms.

15.2 Chemical safety assessment

Not established.

SECTION 16 Other information

GHS information (for internal use only)

H220 Extremely flammable gas.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H280 Contains gas under pressure; may explode if heated.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritations.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.

List of relevant R phrases (heading 3) : R10 : Flammable.
R11 : Highly flammable.
Extremely flammable.
R20 : Harmful by inhalation.
R20/21 : Harmful by inhalation and in contact with skin.
R22 : Harmful if swallowed.
R36 : Irritating to eyes.
R36/37/38 : Irritating to eyes, respiratory system and skin.
R37/38 : Irritating to respiratory system and skin.
R38 : Irritating to skin.
R41 : Risk of serious damage to eyes.
R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R66 : Repeated exposure may cause skin dryness or cracking.
R67 : Vapours may cause drowsiness and dizziness.

Further information : ADR: Accord européen sur le transport des marchandises dangereuses pas Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail).
IMDG: International Maritime Code for Dangerous Goods.
IATA: International Air Transport Association.
ICAO: International Civil Aviation Organization.
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (

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SECTION 16 Other information (continued)

ICAO).

GHS: Globally Harmonized System of Classification and Labelling of Chemicals.

LC50: Lethal concentration, 50 percent.

LD50: Lethal dose, 50 percent.

GHS: Globally Harmonized System of Classification and Labelling of Chemicals.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

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