

**Safety Data Sheet**

according to UK REACH Regulation

**DINITROL 8020 Spray Black**

Revision date: 21.04.2021

Product code: 32802

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

DINITROL 8020 Spray Black

UFI: V6UW-F2K7-K00H-Y968

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

Paints and varnishes

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

Company name: DINOL GmbH  
Street: Pyrmonter Strasse 76  
Place: D-32676 Luegde  
Telephone: + 49 (0) 5281 982980      Telefax: + 49 (0) 5281 9829860  
e-mail: msds@dinol.com  
Contact person: Labor  
Responsible Department: msds@dinol.com

**1.4. Emergency telephone number:** Giftnotruf Berlin: +49 30 30686 700 (Beratung in Deutsch und Englisch)

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****GB CLP Regulation**

Aerosol 1; H222-H229  
Eye Irrit. 2; H319  
STOT SE 3; H336

Full text of hazard statements: see SECTION 16.

**2.2. Label elements****GB CLP Regulation****Hazard components for labelling**

acetone; propan-2-one; propanone  
n-butyl acetate  
isopropanol (isopropyl alcohol)  
butan-1-ol; n-butanol

**Signal word:** Danger**Pictograms:****Hazard statements**

H222 Extremely flammable aerosol.  
H229 Pressurised container: May burst if heated.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.

**Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 Do not spray on an open flame or other ignition source.  
P251 Do not pierce or burn, even after use.

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P280 Wear protective gloves and eye/face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

**Special labelling of certain mixtures**

EUH066 Repeated exposure may cause skin dryness or cracking.  
Restricted to professional users.

**Labelling of packages where the contents do not exceed 125 ml**

Signal word: Danger

Pictograms:

**Hazard statements**

H222-H229

**Precautionary statements**

P210-P211-P251-P410+P412

**2.3. Other hazards**

No information available.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

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**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
67-64-1	acetone; propan-2-one; propanone			25-50 %
	200-662-2	606-001-00-8	01-2119471330-49	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066			
115-10-6	dimethyl ether			12,5-20 %
	204-065-8		01-2119472128-37	
	Flam. Gas 1, Liquefied gas; H220 H280			
123-86-4	n-butyl acetate			10-12,5 %
	204-658-1	607-025-00-1	01-2119485493-29	
	Flam. Liq. 3, STOT SE 3; H226 H336 EUH066			
74-98-6	propane			5-10 %
	200-827-9	601-003-00-5	01-2119486944-21	
	Flam. Gas 1, Liquefied gas; H220 H280			
108-65-6	2-methoxy-1-methylethyl acetate			5-10 %
	203-603-9	607-195-00-7	01-2119475791-29	
	Flam. Liq. 3; H226			
106-97-8	butane			5-10 %
	203-448-7	601-004-00-0	01-2119474691-32	
	Flam. Gas 1, Liquefied gas; H220 H280			
75-28-5	isobutane			5-10 %
	200-857-2	601-004-00-0	01-2119485395-27	
	Flam. Gas 1, Liquefied gas; H220 H280			
67-63-0	isopropanol (isopropyl alcohol)			1-2,5 %
	200-661-7	603-117-00-0	01-2119457558-25	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336			
9004-70-0	Nitrocellulose			1-2,5 %
	Flam. Sol. 1; H228			
71-36-3	butan-1-ol; n-butanol			1-2,5 %
	200-751-6	603-004-00-6	01-2119484630-38	
	Flam. Liq. 3, Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, STOT SE 3, STOT SE 3; H226 H302 H315 H318 H335 H336			

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

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**Specific Conc. Limits, M-factors and ATE**

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
67-64-1	200-662-2	acetone; propan-2-one; propanone	25-50 %
		inhalation: LC50 = 76 mg/l (vapours); dermal: LD50 = 7426-15800 mg/kg; oral: LD50 = 5800 mg/kg	
123-86-4	204-658-1	n-butyl acetate	10-12,5 %
		inhalation: LC50 = >21 mg/l (dusts or mists); dermal: LD50 = > 5000 mg/kg; oral: LD50 = 8800 mg/kg	
108-65-6	203-603-9	2-methoxy-1-methylethyl acetate	5-10 %
		inhalation: LC50 = 35,7 mg/l (vapours); oral: LD50 = 8500 mg/kg	
106-97-8	203-448-7	butane	5-10 %
		inhalation: LC50 = 273000 ppm (gases)	
67-63-0	200-661-7	isopropanol (isopropyl alcohol)	1-2,5 %
		inhalation: LC50 = 30 mg/l (vapours); dermal: LD50 = 13400 mg/kg; oral: LD50 = 4570 mg/kg	
71-36-3	200-751-6	butan-1-ol; n-butanol	1-2,5 %
		inhalation: LC50 = >17 mg/l (dusts or mists); dermal: LD50 = 3400 mg/kg; oral: LD50 = 790 mg/kg	

**SECTION 4: First aid measures**
**4.1. Description of first aid measures**
**General information**

In all cases of doubt, or when symptoms persist, seek medical advice.

**After inhalation**

Remove casualty to fresh air and keep warm and at rest.

If unconscious but breathing normally, place in recovery position and seek medical advice.

**After contact with skin**

If skin irritation occurs: Get medical advice/attention.

**After contact with eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. In case of eye irritation consult an ophthalmologist.

**After ingestion**

If swallowed, rinse mouth with water (only if the person is conscious).

Do NOT induce vomiting.

Call a physician immediately.

Put victim at rest, cover with a blanket and keep warm.

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

Nausea, Dizziness, Headache.

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

No information available.

**SECTION 5: Firefighting measures**
**5.1. Extinguishing media**
**Suitable extinguishing media**

alcohol resistant foam, Carbon dioxide (CO<sub>2</sub>), Extinguishing powder, Water fog.

**Unsuitable extinguishing media**

High power water jet.

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

Hazardous decomposition products: Danger of serious damage to health by prolonged exposure.

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Do not inhale explosion and combustion gases. Use appropriate respiratory protection.

#### **5.3. Advice for firefighters**

Use water spray jet to protect personnel and to cool endangered containers.

#### **Additional information**

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately.

Do not allow entering drains or surface water.

## SECTION 6: Accidental release measures

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

#### **General advice**

Remove all sources of ignition. Provide adequate ventilation.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wear personal protection equipment.

Avoid contact with skin, eyes and clothes.

### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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

#### **For containment**

Prevent spread over a wide area (e.g. by containment or oil barriers).

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

#### **For cleaning up**

Provide adequate ventilation.

Clear contaminated areas thoroughly.

Do not rinse down with water.

#### **Other information**

No information available.

### **6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

## SECTION 7: Handling and storage

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

If handled uncovered, arrangements with local exhaust ventilation have to be used.

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

#### **Advice on protection against fire and explosion**

Take precautionary measures against static discharges.

Do not spray on naked flames or any incandescent material.

Keep away from sources of ignition - No smoking.

Heating causes rise in pressure with risk of bursting.

#### **Advice on general occupational hygiene**

Keep away from food, drink and animal feedingstuffs.

When using do not eat or drink.

Wash hands before breaks and after work.

Avoid contact with skin and eyes.

Remove contaminated, saturated clothing immediately.

Do not breathe gas/vapour/aerosol.

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**7.2. Conditions for safe storage, including any incompatibilities**
**Requirements for storage rooms and vessels**

Do not keep the container sealed. Keep container dry.

Keep in a cool, well-ventilated place.

Keep away from heat. Protect from direct sunlight.

**7.3. Specific end use(s)**

No information available.

**SECTION 8: Exposure controls/personal protection**
**8.1. Control parameters**
**Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
108-65-6	1-Methoxypropyl acetate	50	274		TWA (8 h)	WEL
		100	548		STEL (15 min)	WEL
67-64-1	Acetone	500	1210		TWA (8 h)	WEL
		1500	3620		STEL (15 min)	WEL
71-36-3	Butan-1-ol	50	154		STEL (15 min)	WEL
106-97-8	Butane	600	1450		TWA (8 h)	WEL
		750	1810		STEL (15 min)	WEL
123-86-4	Butyl acetate	150	724		TWA (8 h)	WEL
		200	966		STEL (15 min)	WEL
115-10-6	Dimethyl ether	400	766		TWA (8 h)	WEL
		500	958		STEL (15 min)	WEL
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

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**DNEL/DMEL values**

CAS No	Substance	Exposure route	Effect	Value
67-64-1	acetone; propan-2-one; propanone			
Worker DNEL, long-term		inhalation	systemic	1210 mg/m <sup>3</sup>
Worker DNEL, acute		inhalation	local	2420 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	186 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	200 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	62 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	62 mg/kg bw/day
123-86-4	n-butyl acetate			
Worker DNEL, long-term		inhalation	systemic	480 mg/m <sup>3</sup>
Worker DNEL, acute		inhalation	systemic	960 mg/m <sup>3</sup>
Worker DNEL, long-term		inhalation	local	480 mg/m <sup>3</sup>
Worker DNEL, acute		inhalation	local	960 mg/m <sup>3</sup>
Consumer DNEL, long-term		inhalation	systemic	102,34 mg/m <sup>3</sup>
Consumer DNEL, acute		inhalation	systemic	859,7 mg/m <sup>3</sup>
Consumer DNEL, long-term		inhalation	local	102,34 mg/m <sup>3</sup>
Consumer DNEL, acute		inhalation	local	859,7 mg/m <sup>3</sup>
108-65-6	2-methoxy-1-methylethyl acetate			
Worker DNEL, long-term		inhalation	systemic	275 mg/m <sup>3</sup>
Worker DNEL, acute		inhalation	local	550 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	796 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	33 mg/m <sup>3</sup>
Consumer DNEL, acute		inhalation	local	33 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	320 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	36 mg/kg bw/day
67-63-0	isopropanol (isopropyl alcohol)			
Consumer DNEL, long-term		inhalation	systemic	89 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	319 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	26 mg/kg bw/day
Worker DNEL, long-term		dermal	systemic	888 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	500 mg/m <sup>3</sup>
71-36-3	butan-1-ol; n-butanol			
Worker DNEL, long-term		inhalation	local	310 mg/m <sup>3</sup>
Consumer DNEL, long-term		oral	systemic	3,125 mg/kg bw/day
Consumer DNEL, long-term		inhalation	local	55 mg/m <sup>3</sup>

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#### PNEC values

CAS No	Substance	Value
Environmental compartment		
67-64-1	acetone; propan-2-one; propanone	
Freshwater		10,6 mg/l
Marine water		1,06 mg/l
Freshwater sediment		30,4 mg/kg
Marine sediment		3,04 mg/kg
Micro-organisms in sewage treatment plants (STP)		100 mg/l
Soil		29,5 mg/kg
123-86-4	n-butyl acetate	
Freshwater		0,18 mg/l
Marine water		0,018 mg/l
Freshwater sediment		0,981 mg/kg
Marine sediment		0,0981 mg/kg
Micro-organisms in sewage treatment plants (STP)		35,6 mg/l
Soil		0,0903 mg/kg
108-65-6	2-methoxy-1-methylethyl acetate	
Freshwater		0,635 mg/l
Marine water		0,0635 mg/l
Freshwater sediment		3,29 mg/kg
Marine sediment		0,329 mg/kg
Micro-organisms in sewage treatment plants (STP)		100 mg/l
Soil		0,290 mg/kg
67-63-0	isopropanol (isopropyl alcohol)	
Freshwater		140,9 mg/l
Marine water		140,9 mg/l
Freshwater sediment		552 mg/kg
Marine sediment		552 mg/kg
Secondary poisoning		160 mg/kg
Micro-organisms in sewage treatment plants (STP)		2251 mg/l
Soil		28 mg/kg
71-36-3	butan-1-ol; n-butanol	
Freshwater		0,082 mg/l
Marine water		0,0082 mg/l
Freshwater sediment		0,178 mg/kg
Marine sediment		0,0178 mg/kg
Micro-organisms in sewage treatment plants (STP)		2476 mg/l
Soil		0,015 mg/kg

#### 8.2. Exposure controls

##### Appropriate engineering controls

Provide adequate ventilation.

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be



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worn.

#### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Eye glasses with side protection (EN 166)

##### Hand protection

Tested protective gloves must be worn (EN ISO 374):

Butyl caoutchouc (butyl rubber), Breakthrough time:: 240 min.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Protective gloves have to be replaced at the first sign of deterioration.

Protect skin by using skin protective cream.

##### Skin protection

Wear anti-static footwear and clothing

##### Respiratory protection

Work in well-ventilated zones or use proper respiratory protection.

gas filtering equipment (EN 141)., Filter material/medium: A/P2

## SECTION 9: Physical and chemical properties

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

Physical state:	Aerosol
Colour:	black
Odour:	characteristic

#### Changes in the physical state

Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	not applicable
Flash point:	< 0 °C

#### Flammability

Solid/liquid:	not applicable
Gas:	not applicable

#### Explosive properties

not determined

Lower explosion limits:	1,2 vol. %
Upper explosion limits:	26,2 vol. %
Auto-ignition temperature:	240 °C

#### Self-ignition temperature

Solid:	not applicable
Gas:	not applicable

Decomposition temperature: not determined

pH-Value: not determined

Viscosity / dynamic: not determined

Viscosity / kinematic: not determined

Water solubility: The study does not need to be conducted because the substance is known to be insoluble in water.

#### Solubility in other solvents

not determined

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Partition coefficient n-octanol/water:	not determined
Vapour pressure: (at 20 °C)	4000 hPa
Density (at 20 °C):	0,798 g/cm <sup>3</sup>
Relative vapour density:	not determined

**9.2. Other information****Information with regard to physical hazard classes**

Oxidizing properties  
not determined

**Other safety characteristics**

Solvent separation test:	not determined
Solvent content:	89,4 %
Solid content:	10,6 %
Evaporation rate:	not applicable

**Further Information**

No information available.

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

**10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

No known hazardous reactions.

**10.4. Conditions to avoid**

Keep away from heat. Ignition hazard.

**10.5. Incompatible materials**

No information available.

**10.6. Hazardous decomposition products**

Carbon monoxide

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in GB CLP Regulation****Acute toxicity**

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

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
67-64-1	acetone; propan-2-one; propanone				
	oral	LD50 5800 mg/kg	Rat	RTECS	
	dermal	LD50 7426-15800 mg/kg	Rabbit	IUCLID	
	inhalation (4 h) vapour	LC50 76 mg/l	Rat		
123-86-4	n-butyl acetate				
	oral	LD50 8800 mg/kg	Rat		
	dermal	LD50 > 5000 mg/kg	Rabbit		
	inhalation (4 h) dust/mist	LC50 >21 mg/l	Rat		
108-65-6	2-methoxy-1-methylethyl acetate				
	oral	LD50 8500 mg/kg	Rat		
	inhalation (4 h) vapour	LC50 35,7 mg/l	Rat		
106-97-8	butane				
	inhalation (4 h) gas	LC50 273000 ppm	Rat	GESTIS	
67-63-0	isopropanol (isopropyl alcohol)				
	oral	LD50 4570 mg/kg	Rat		
	dermal	LD50 13400 mg/kg	Rabbit		
	inhalation (4 h) vapour	LC50 30 mg/l	Rat		
71-36-3	butan-1-ol; n-butanol				
	oral	LD50 790 mg/kg	Rat	GESTIS	
	dermal	LD50 3400 mg/kg	Rabbit	GSETIS	
	inhalation (4 h) dust/mist	LC50 >17 mg/l	Rat		

**Irritation and corrosivity**

Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

**Sensitising effects**

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

**Carcinogenic/mutagenic/toxic effects for reproduction**

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

**STOT-single exposure**

May cause drowsiness or dizziness. (acetone; propan-2-one; propanone)

**STOT-repeated exposure**

Repeated exposure may cause skin dryness or cracking.

**Aspiration hazard**

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

**11.2. Information on other hazards**

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**Endocrine disrupting properties**

Endocrine disrupting potential No information available.

**Further information**

There are no data available on the preparation/mixture itself.

**SECTION 12: Ecological information**
**12.1. Toxicity**

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
67-64-1	acetone; propan-2-one; propanone					
	Acute fish toxicity	LC50 5540 mg/l	96 h	Onchorhynchus mykiss		
	Acute crustacea toxicity	EC50 8800 mg/l	48 h	Daphnia Magna		
	Algae toxicity	NOEC 4740 mg/l	2 d	Selenastrum capricornutum		
123-86-4	n-butyl acetate					
	Acute fish toxicity	LC50 62 mg/l	96 h	Leuciscus idus (golden orfe)		
	Acute algae toxicity	ErC50 674 mg/l	72 h	Desmodesmus subspicatus		
	Acute crustacea toxicity	EC50 44 mg/l	48 h	Daphnia magna (Big water flea)		
71-36-3	butan-1-ol; n-butanol					
	Acute fish toxicity	LC50 1740 mg/l	96 h	Pimephales promelas (fathead minnow)		
	Acute algae toxicity	ErC50 >500 mg/l	72 h	Scenedesmus subspicatus		
	Acute crustacea toxicity	EC50 1980 mg/l	48 h		GESTIS	
	Acute bacteria toxicity	(EC50 2250 mg/l)		Pseudomonas putida	16 h	

**12.2. Persistence and degradability**

There are no data available on the mixture itself.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
67-64-1	acetone; propan-2-one; propanone			
	OECD 301 B	91%	28	
	Readily biodegradable (according to OECD criteria).			
123-86-4	n-butyl acetate			
	OECD 301D/ EEC 92/69/V, C.4-E	83%	28	
	Readily biodegradable (according to OECD criteria).			
108-65-6	2-methoxy-1-methylethyl acetate			
	OECD 302 B	>90 %		
	Readily biodegradable (according to OECD criteria).			

**12.3. Bioaccumulative potential**

There are no data available on the mixture itself.

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**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
67-64-1	acetone; propan-2-one; propanone	-0,24
115-10-6	dimethyl ether	0,1
123-86-4	n-butyl acetate	2,3
108-65-6	2-methoxy-1-methylethyl acetate	0,56
106-97-8	butane	2,89
67-63-0	isopropanol (isopropyl alcohol)	0,05
9004-70-0	Nitrocellulose	<0
71-36-3	butan-1-ol; n-butanol	0,88

**BCF**

CAS No	Chemical name	BCF	Species	Source
67-64-1	acetone; propan-2-one; propanone	<10		

**12.4. Mobility in soil**

There are no data available on the mixture itself.

**12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**12.7. Other adverse effects**

No information available.

**Further information**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

**SECTION 13: Disposal considerations**
**13.1. Waste treatment methods**
**Disposal recommendations**

Dispose of waste according to applicable legislation. Do not mix with other wastes.

List of proposed waste codes/waste designations in accordance with EWC:

**List of Wastes Code - residues/unused products**

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

**List of Wastes Code - used product**

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances; hazardous waste

**List of Wastes Code - contaminated packaging**

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

**Contaminated packaging**

Remove according to the regulations.

**SECTION 14: Transport information**

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**Land transport (ADR/RID)**

**14.1. UN number or ID number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2  
**14.4. Packing group:** -  
 Hazard label: 2.1



Classification code: 5F  
 Special Provisions: 190 327 344 625  
 Limited quantity: 1 L  
 Excepted quantity: E0  
 Transport category: 2  
 Tunnel restriction code: D

**Marine transport (IMDG)**

**14.1. UN number or ID number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2.1  
**14.4. Packing group:** -  
 Hazard label: 2.1



Marine pollutant: no  
 Special Provisions: 63, 190, 277, 327, 344, 959  
 Limited quantity: 1000 mL  
 Excepted quantity: E0  
 EmS: F-D, S-U

**Air transport (ICAO-TI/IATA-DGR)**

**14.1. UN number or ID number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2.1  
**14.4. Packing group:** -  
 Hazard label: 2.1



Special Provisions: A145 A167 A802  
 Limited quantity Passenger: 30 kg G  
 Passenger LQ: Y203  
 Excepted quantity: E0  
 IATA-packing instructions - Passenger: 203  
 IATA-max. quantity - Passenger: 75 kg  
 IATA-packing instructions - Cargo: 203  
 IATA-max. quantity - Cargo: 150 kg

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

Warning: Gases under pressure

**14.7. Maritime transport in bulk according to IMO instruments**

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not applicable

#### Other applicable information

Stowage Code:

SW1 Protected from sources of heat.

SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.

Segregation Code:

SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from"

class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate

subdivision of class 2.

## SECTION 15: Regulatory information

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

#### EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 28, Entry 40, Entry 75

2004/42/EC (VOC): 89,4 % (713 g/l)

Subcategory according to Directive Special finishes - All types, VOC limit value: 840 g/l

2004/42/EC:

#### Additional information

Observe in addition any national regulations!

Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work

#### National regulatory information

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water hazard class (D):

1 - slightly hazardous to water

#### Additional information

This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: none

### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

#### Changes

This data sheet contains changes from the previous version in section(s): 2,8,15.

#### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

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LD50: Lethal dose, 50%

**Classification for mixtures and used evaluation method according to GB CLP Regulation**

Classification	Classification procedure
Aerosol 1; H222-H229	On basis of test data
Eye Irrit. 2; H319	Bridging principle "Aerosols"
STOT SE 3; H336	Bridging principle "Aerosols"

**Relevant H and EUH statements (number and full text)**

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H228	Flammable solid.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.

**Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*