

SAFETY DATA SHEET

VHT Paint

Revision # : 1
Issue date : 14/06/2021

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF COMPANY/UNDERTAKING

1.1. Product identifier

Product name: Spray paint VHT Silver

ref: SPV02

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

Main use category: Industrial uses, professional uses

Industrial/professional use spec: for professional use only

Use of the substance/mixture: paint

Uses advised against: No data available

1.3. Details of the supplier of the safety data sheet

Silverhook Ltd
Unit 14 Bates Road
Harold Wood, London, England
RM3 0JH
Tel.: +44 (0)1708330500
Fax.: +44 (0)1708330504
Email: 522@silverhook.co.uk
Responsible person email: 522@silverhook.co.uk

1.4. Emergency telephone number

+44 (0) 1708330500 (during office hours)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

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

Aerosol 1 H222;H229

Skin Irrit. 2 H315

Eye Irrit. 2 H319

Repr. 2 H361

STOT SE 3 H336

Full text of hazard classes and H-statements: see Section 16

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2.2. Label elements

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

Hazard pictograms :



GHS02



GHS07



GHS08

Signal word :

Danger

Hazardous ingredients :

Methyl acetate; Ethyl acetate; n-butyl acetate; Toluene

Hazard statements :

H222 - Extremely flammable aerosol.
H229 - Pressurised container: May burst if heated .
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H336 - May cause drowsiness or dizziness.
H361 - Suspected of damaging fertility or the unborn child.

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.
P280 - Wear Protective gloves, protective clothing, face protection, eye protection.
P308+P313 - IF exposed or concerned: Get medical advice/attention.
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

2.3. Other hazards

Other hazards

Vapours can form explosive mixtures with air. Results of PBT and vPvB assessment

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

Comments

Aerosol

Substance name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
dimethyl ether	(CAS No) 115-10-6 (EC no) 204-065-8 (EC Index) 603-019-00-8	48.7	Flam. Gas 1, H220 Liquefied gas, H280
n-butyl acetate	(CAS No) 123-86-4 (EC no) 204-658-1 (EC Index) 607-025-00-1	15	Flam. Liq. 3, H226 STOT SE 3, H336
Ethyl acetate	(CAS No) 141-78-6 (EC no) 205-500-4 (EC Index) 607-022-00-5	13.2	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Organosilicone resin	(CAS No) 67763-03-5 (EC no) – (EC Index) -	7.5	Not classified
Toluene	(CAS No) 108-88-3 (EC no) 203-625-9 (EC Index) 601-021-00-3	8	Flam. Liq. 2, H225 Repr. 2, H361d Asp. Tox. 1, H304 STOT RE 2, H373 Skin Irrit. 2, H315 STOT SE 3, H336

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Isopropanol	(CAS No) 67-63-0 (EC no) 200-661-7 (EC Index) -	4.4	Flam. Liq. 2, H225 Eye Irrit. 2, H319
Carbon Black	(CAS No) 1333-86-4 (EC no) 215-609-9 (EC Index) -	3.2	Not classified

Full text of H-statements: see Section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Additional advice

First aider: pay attention to self-protection. Concerning personal protective equipment to use, see Section 8. Never give anything by mouth to an unconscious person or a person with cramps. In case of doubt or persistent symptoms, always consult a physician. Show this safety data sheet to the doctor in attendance. Treat symptomatically

Inhalation

Remove person to fresh air and keep comfortable for breathing. In case of doubt or persistent symptoms, always consult a physician.

Skin contact

Take off contaminated clothing. Gently wash with plenty of soap and water. In case of doubt or persistent symptoms, always consult a physician.

Eyes contact

Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. In case of doubt or persistent symptoms, always consult a physician.

In case of ingestion

Rinse mouth thoroughly with water. Get medical advice/attention.

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

Inhalation

The following symptoms may occur: May cause drowsiness or dizziness

Skin contact

The following symptoms may occur: Causes skin irritation.

Eyes contact

The following symptoms may occur: Causes serious eye irritation.

Ingestion

The following symptoms may occur: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic symptoms

Suspected of damaging fertility. Suspected of damaging the unborn child.

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

Carbon dioxide (CO₂), powder, alcohol-resistant foam, water spray.

Unsuitable extinguishing media

Strong water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards

Extremely flammable aerosol. Risk of ignition. Vapours are heavier than air and may spread along floors. Vapours can travel considerable distances to a source of ignition where they can ignite, flash back or explode. Aerosol cans may rupture and become projectiles. In use, may form flammable/explosive vapour-air mixture. Do not spray on naked flames or any incandescent material. The pressure in sealed containers can increase under the influence of heat.

Hazardous decomposition products in case of fire

Carbon oxides (CO, CO₂)

5.3. Advice for firefighters

Firefighting instructions

Evacuate area. Use water spray or fog for cooling exposed containers. Contain the extinguishing fluids by bunding. Prevent firefighting water from entering the environment.

Protection during firefighting

Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.

Other information

Do not allow run-off from fire-fighting to enter drains or water courses. Dispose of waste in accordance with environmental legislation.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Evacuate unnecessary personnel. Keep unwind. Provide adequate ventilation. Wear recommended personal protective equipment. Concerning personal protective equipment to use, see Section 8. Do not breathe vapours. Do not breathe aerosol. Avoid contact with skin, eyes and clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ensure equipment is adequately earthed. Use explosion-proof equipment. Use only non-sparking tools.

For emergency responders

Ensure procedures and training for emergency decontamination and disposal are in place. Concerning personal protective equipment to use, see Section 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Stop leak if safe to do so. Leave to vapourise. Dam up the liquid spill. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Recover large spills by pumping (use an explosion proof or hand pump). Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). This material and its container must be disposed of in a safe way, and as per local legislation.

6.4. Reference to other sections

Concerning personal protective equipment to use, see Section 8. Disposal: see Section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Precautions for safe handling

Provide adequate ventilation. Use personal protective equipment as required. Concerning personal protective equipment to use, see Section 8. Do not breathe vapours. Do not breathe aerosol. Avoid contact with skin, eyes and clothing. Take any precaution to avoid mixing with incompatible materials, refer to Section 10. Ensure proper process control to avoid excess waste discharge (temperature, concentration, pH, time). Avoid release to the environment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Remove all sources of ignition. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C.

Hygiene measures

Keep good industrial hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking when leaving work. Do not eat, drink or smoke when using this product. Keep away from food, drink and animal feedingstuffs. Remove contaminated clothes. Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

Store in a dry, cool and well-ventilated place. Do not store near or with any of the incompatible materials listed in Section 10. Bund storage facilities to prevent soil and water pollution in the event of spillage.

Packaging materials

Keep only in the original container.

7.3. Specific end use(s)

No data available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

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Acrylic acid resin (9003-01-4)		
Switzerland	VME (mg/m ³)	0,05 mg/m ³ (interlaced, neutralized-respirable dust)
Switzerland	VLE (mg/m ³)	0,05 mg/m ³ (interlaced, neutralized-respirable dust)
Methyl acetate (79-20-9)		
Austria	MAK (mg/m ³)	610 mg/m ³
Austria	MAK (ppm)	200 ppm
Austria	MAK Short time value (mg/m ³)	1220 mg/m ³
Austria	MAK Short time value (ppm)	400 ppm
Belgium	Limit value (mg/m ³)	615 mg/m ³
Belgium	Limit value (ppm)	200 ppm
Belgium	Short time value (mg/m ³)	768 mg/m ³
Belgium	Short time value	250 ppm
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	616 mg/m ³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	200 ppm
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m ³)	770 mg/m ³
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	250 ppm
Czech Republic	Expoziční limity (PEL) (mg/m ³)	600 mg/m ³
Denmark	Grænseværdie (langvarig) (mg/m ³)	455 mg/m ³
Denmark	Grænseværdie (langvarig) (ppm)	150 ppm
Estonia	OEL TWA (mg/m ³)	450 mg/m ³
Estonia	OEL TWA (ppm)	150 ppm
Estonia	OEL STEL (mg/m ³)	900 mg/m ³
Estonia	OEL STEL (ppm)	300 ppm
Finland	HTP-arvo (8h) (mg/m ³)	610 mg/m ³
Finland	HTP-arvo (8h) (ppm)	200 ppm
Finland	HTP-arvo (15 min)	770 mg/m ³
Finland	HTP-arvo (15 min) (ppm)	250 ppm
France	VME (mg/m ³)	610 mg/m ³
France	VME (ppm)	200 ppm
France	VLE (mg/m ³)	760 mg/m ³
France	VLE (ppm)	250 ppm
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	610 mg/m ³ (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	TRGS 900 Occupational exposure limit value (ppm)	200 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Greece	OEL TWA (mg/m ³)	610 mg/m ³
Greece	OEL TWA (ppm)	200 ppm
Greece	OEL STEL (mg/m ³)	760 mg/m ³
Greece	OEL STEL (ppm)	250 ppm
Hungary	AK-érték	610 mg/m ³
Hungary	CK-érték	2440 mg/m ³
Ireland	OEL (8 hours ref) (mg/m ³)	610 mg/m ³

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Methyl acetate (79-20-9)		
Ireland	OEL (8 hours ref) (ppm)	200 ppm
Ireland	OEL (15 min ref) (mg/m ³)	760 mg/m ³
Ireland	OEL (15 min ref) (ppm)	250 ppm
Latvia	OEL TWA (mg/m ³)	100 mg/m ³
Lithuania	IPRV (mg/m ³)	450 mg/m ³
Lithuania	IPRV (ppm)	150 ppm
Lithuania	TPRV (mg/m ³)	900 mg/m ³
Lithuania	TPRV (ppm)	300 ppm
Poland	NDS (mg/m ³)	250 mg/m ³
Poland	NDSch (mg/m ³)	600 mg/m ³
Portugal	OEL TWA (ppm)	200 ppm
Portugal	OEL STEL (ppm)	250 ppm
Romania	OEL TWA (mg/m ³)	200 mg/m ³
Romania	OEL TWA (ppm)	63 ppm
Romania	OEL STEL (mg/m ³)	600 mg/m ³
Romania	OEL STEL (ppm)	188 ppm
Slovakia	NPHV (priemerná) (mg/m ³)	610 mg/m ³
Slovakia	NPHV (priemerná) (ppm)	200 ppm
Slovakia	NPHV (Hraničná) (mg/m ³)	770 mg/m ³
Slovenia	OEL TWA (mg/m ³)	610 mg/m ³
Slovenia	OEL TWA (ppm)	200 ppm
Slovenia	OEL STEL (mg/m ³)	2440 mg/m ³
Slovenia	OEL STEL (ppm)	800 ppm
Spain	VLA-ED (mg/m ³)	616 mg/m ³
Spain	VLA-ED (ppm)	200 ppm
Spain	VLA-EC (mg/m ³)	770 mg/m ³
Spain	VLA-EC (ppm)	250 ppm
Sweden	nivågränsvärde (NVG) (mg/m ³)	450 mg/m ³
Sweden	nivågränsvärde (NVG) (ppm)	150 ppm
Sweden	kortidsvärde (KTV) (mg/m ³)	900 mg/m ³
Sweden	kortidsvärde (KTV) (ppm)	300 ppm
United Kingdom	WEL TWA (mg/m ³)	616 mg/m ³
United Kingdom	WEL TWA (ppm)	200 ppm
United Kingdom	WEL STEL (mg/m ³)	770 mg/m ³
United Kingdom	WEL STEL (ppm)	250 ppm
Norway	Grenseverdier (AN) (mg/m ³)	305 mg/m ³
Norway	Grenseverdier (AN) (ppm)	100 ppm
Norway	Grenseverdier (Kortidsverdi) (mg/m ³)	305 mg/m ³
Norway	Grenseverdier (Kortidsverdi) (ppm)	100 ppm
Switzerland	VME (mg/m ³)	310 mg/m ³
Switzerland	VME (ppm)	100 ppm
Switzerland	VLE (mg/m ³)	1240 mg/m ³
Switzerland	VLE (ppm)	400 ppm

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Methyl acetate (79-20-9)		
Australia	TWA (mg/m ³)	606 mg/m ³
Australia	TWA (ppm)	200 ppm
Australia	STEL (mg/m ³)	757 mg/m ³
Australia	STEL (ppm)	250 ppm
Canada (Quebec)	VECD (mg/m ³)	757 mg/m ³
Canada (Quebec)	VECD (ppm)	250 ppm
Canada (Quebec)	VEMP (mg/m ³)	606 mg/m ³
Canada (Quebec)	VEMP (ppm)	200 ppm
USA - ACGIH	ACGIH TWA (ppm)	200 ppm
USA - ACGIH	ACGIH STEL (ppm)	250 ppm
USA - IDLH	US IDLH (ppm)	3100 ppm (10% LEL)
USA - NIOSH	NIOSH REL (TWA) (mg/m ³)	610 mg/m ³
USA - NIOSH	NIOSH REL (TWA) (ppm)	200 ppm
USA - NIOSH	NIOSH REL (STEL) (mg/m ³)	760 mg/m ³
USA - NIOSH	NIOSH REL (STEL) (ppm)	250 ppm
USA - OSHA	OSHA PEL (TWA) (mg/m ³)	610 mg/m ³
USA - OSHA	OSHA PEL (TWA) (ppm)	200 ppm
Ethyl acetate (141-78-6)		
Austria	MAK (mg/m ³)	1050 mg/m ³
Austria	MAK (ppm)	300 ppm
Austria	MAK Short time value (mg/m ³)	2100 mg/m ³
Austria	MAK Short time value (ppm)	600 ppm
Belgium	Limit value (mg/m ³)	1461 mg/m ³
Belgium	Limit value (ppm)	400 ppm
Bulgaria	OEL TWA (mg/m ³)	800 mg/m ³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	200 ppm
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	400 ppm
Czech Republic	Expoziční limity (PEL) (mg/m ³)	700 mg/m ³
Denmark	Grænseværdie (langvarig) (mg/m ³)	540 mg/m ³
Denmark	Grænseværdie (langvarig) (ppm)	150 ppm
Estonia	OEL TWA (mg/m ³)	500 mg/m ³
Estonia	OEL TWA (ppm)	150 ppm
Estonia	OEL STEL (mg/m ³)	1100 mg/m ³
Estonia	OEL STEL (ppm)	300 ppm
Finland	HTP-arvo (8h) (mg/m ³)	1100 mg/m ³
Finland	HTP-arvo (8h) (ppm)	300 ppm
Finland	HTP-arvo (15 min)	1800 mg/m ³
Finland	HTP-arvo (15 min) (ppm)	500 ppm
France	VME (mg/m ³)	1400 mg/m ³
France	VME (ppm)	400 ppm
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	1500 mg/m ³ (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)

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Ethyl acetate (141-78-6)		
Germany	TRGS 900 Occupational exposure limit value (ppm)	400 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Greece	OEL TWA (mg/m ³)	1400 mg/m ³
Greece	OEL TWA (ppm)	400 ppm
Hungary	AK-érték	1400 mg/m ³
Hungary	CK-érték	1400 mg/m ³
Ireland	OEL (8 hours ref) (ppm)	200 ppm
Ireland	OEL (15 min ref) (ppm)	400 ppm
Latvia	OEL TWA (mg/m ³)	200 mg/m ³
Lithuania	IPRV (mg/m ³)	500 mg/m ³
Lithuania	IPRV (ppm)	150 ppm
Lithuania	NRV (mg/m ³)	1100 mg/m ³
Lithuania	NRV (ppm)	300 ppm
Poland	NDS (mg/m ³)	734 mg/m ³
Poland	NDSch (mg/m ³)	1468 mg/m ³
Portugal	OEL TWA (ppm)	400 ppm
Romania	OEL TWA (mg/m ³)	400 mg/m ³
Romania	OEL TWA (ppm)	111 ppm
Romania	OEL STEL (mg/m ³)	500 mg/m ³
Romania	OEL STEL (ppm)	139 ppm
Slovakia	NPHV (priemerná) (mg/m ³)	1500 mg/m ³
Slovakia	NPHV (priemerná) (ppm)	400 ppm
Slovakia	NPHV (Hraničná) (mg/m ³)	1100 mg/m ³
Slovenia	OEL TWA (mg/m ³)	1400 mg/m ³
Slovenia	OEL TWA (ppm)	400 ppm
Slovenia	OEL STEL (mg/m ³)	1400 mg/m ³
Slovenia	OEL STEL (ppm)	400 ppm
Spain	VLA-ED (mg/m ³)	1460 mg/m ³
Spain	VLA-ED (ppm)	400 ppm
Sweden	nivågränsvärde (NVG) (mg/m ³)	500 mg/m ³
Sweden	nivågränsvärde (NVG) (ppm)	150 ppm
Sweden	kortidsvärde (KTV) (mg/m ³)	1100 mg/m ³
Sweden	kortidsvärde (KTV) (ppm)	300 ppm
United Kingdom	WEL TWA (ppm)	200 ppm
United Kingdom	WEL STEL (ppm)	400 ppm
Norway	Grenseverdier (AN) (mg/m ³)	550 mg/m ³
Norway	Grenseverdier (AN) (ppm)	150 ppm
Norway	Grenseverdier (Kortidsverdi) (mg/m ³)	550 mg/m ³
Norway	Grenseverdier (Kortidsverdi) (ppm)	150 ppm
Switzerland	VME (mg/m ³)	1400 mg/m ³
Switzerland	VME (ppm)	400 ppm
Switzerland	VLE (mg/m ³)	2800 mg/m ³

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Ethyl acetate (141-78-6)		
Switzerland	VLE (ppm)	800 ppm
Australia	TWA (mg/m ³)	720 mg/m ³
Australia	TWA (ppm)	200 ppm
Australia	STEL (mg/m ³)	1440 mg/m ³
Australia	STEL (ppm)	400 ppm
Canada (Quebec)	VEMP (mg/m ³)	1440 mg/m ³
Canada (Quebec)	VEMP (ppm)	400 ppm
USA - ACGIH	ACGIH TWA (ppm)	400 ppm
USA - IDLH	US IDLH (ppm)	2000 ppm (10% LEL)
USA - NIOSH	NIOSH REL (TWA) (mg/m ³)	1400 mg/m ³
USA - NIOSH	NIOSH REL (TWA) (ppm)	400 ppm
USA - OSHA	OSHA PEL (TWA) (mg/m ³)	1400 mg/m ³
USA - OSHA	OSHA PEL (TWA) (ppm)	400 ppm
n-butyl acetate (123-86-4)		
Austria	MAK (mg/m ³)	480 mg/m ³ (all isomers except tert-Butyl acetate)
Austria	MAK (ppm)	100 ppm (all isomers except tert-Butyl acetate)
Austria	MAK Short time value (mg/m ³)	480 mg/m ³ (all isomers except tert-Butyl acetate)
Austria	MAK Short time value (ppm)	100 ppm (all isomers except tert-Butyl acetate)
Austria	OEL - Ceilings (mg/m ³)	480 mg/m ³
Austria	OEL - Ceilings (ppm)	100 ppm
Belgium	Limit value (mg/m ³)	723 mg/m ³
Belgium	Limit value (ppm)	150 ppm
Belgium	Short time value (mg/m ³)	964 mg/m ³
Belgium	Short time value	200 ppm
Bulgaria	OEL TWA (mg/m ³)	710 mg/m ³
Bulgaria	OEL STEL (mg/m ³)	950 mg/m ³
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	724 mg/m ³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	150 ppm
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m ³)	966 mg/m ³
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	200 ppm
Czech Republic	Expoziční limity (PEL) (mg/m ³)	950 mg/m ³
Denmark	Grænseværdie (langvarig) (mg/m ³)	710 mg/m ³
Denmark	Grænseværdie (langvarig) (ppm)	150 ppm
Finland	HTP-arvo (8h) (mg/m ³)	720 mg/m ³
Finland	HTP-arvo (8h) (ppm)	150 ppm
Finland	HTP-arvo (15 min)	960 mg/m ³
Finland	HTP-arvo (15 min) (ppm)	200 ppm
France	VME (mg/m ³)	710 mg/m ³
France	VME (ppm)	150 ppm
France	VLE (mg/m ³)	940 mg/m ³
France	VLE (ppm)	200 ppm
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	300 mg/m ³ (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)

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n-butyl acetate (123-86-4)		
Germany	TRGS 900 Occupational exposure limit value (ppm)	62 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Greece	OEL TWA (mg/m ³)	710 mg/m ³
Greece	OEL TWA (ppm)	150 ppm
Greece	OEL STEL (mg/m ³)	950 mg/m ³
Greece	OEL STEL (ppm)	200 ppm
Hungary	AK-érték	950 mg/m ³
Hungary	CK-érték	950 mg/m ³
Ireland	OEL (8 hours ref) (mg/m ³)	710 mg/m ³
Ireland	OEL (8 hours ref) (ppm)	150 ppm
Ireland	OEL (15 min ref) (mg/m ³)	950 mg/m ³
Ireland	OEL (15 min ref) (ppm)	200 ppm
Latvia	OEL TWA (mg/m ³)	200 mg/m ³
Poland	NDS (mg/m ³)	200 mg/m ³
Poland	NDSch (mg/m ³)	950 mg/m ³
Portugal	OEL TWA (ppm)	150 ppm
Portugal	OEL STEL (ppm)	200 ppm
Romania	OEL TWA (mg/m ³)	715 mg/m ³
Romania	OEL TWA (ppm)	150 ppm
Romania	OEL STEL (mg/m ³)	950 mg/m ³
Romania	OEL STEL (ppm)	200 ppm
Slovakia	NPHV (priemerná) (mg/m ³)	480 mg/m ³
Slovakia	NPHV (priemerná) (ppm)	100 ppm
Slovakia	NPHV (Hraničná) (mg/m ³)	700 mg/m ³
Slovenia	OEL TWA (mg/m ³)	480 mg/m ³
Slovenia	OEL TWA (ppm)	100 ppm
Slovenia	OEL STEL (mg/m ³)	480 mg/m ³
Slovenia	OEL STEL (ppm)	100 ppm
Spain	VLA-ED (mg/m ³)	724 mg/m ³
Spain	VLA-ED (ppm)	150 ppm
Spain	VLA-EC (mg/m ³)	965 mg/m ³
Spain	VLA-EC (ppm)	200 ppm
Sweden	nivågränsvärde (NVG) (mg/m ³)	500 mg/m ³
Sweden	nivågränsvärde (NVG) (ppm)	100 ppm
Sweden	kortidsvärde (KTV) (mg/m ³)	700 mg/m ³
Sweden	kortidsvärde (KTV) (ppm)	150 ppm
United Kingdom	WEL TWA (mg/m ³)	724 mg/m ³
United Kingdom	WEL TWA (ppm)	150 ppm
United Kingdom	WEL STEL (mg/m ³)	966 mg/m ³
United Kingdom	WEL STEL (ppm)	200 ppm
Switzerland	VME (mg/m ³)	480 mg/m ³
Switzerland	VME (ppm)	100 ppm
Switzerland	VLE (mg/m ³)	960 mg/m ³
Switzerland	VLE (ppm)	200 ppm

SAFETY DATA SHEET

VHT Paint

n-butyl acetate (123-86-4)		
Australia	TWA (mg/m ³)	713 mg/m ³
Australia	TWA (ppm)	150 ppm
Australia	STEL (mg/m ³)	950 mg/m ³
Australia	STEL (ppm)	200 ppm
Canada (Quebec)	VECD (mg/m ³)	950 mg/m ³
Canada (Quebec)	VECD (ppm)	200 ppm
Canada (Quebec)	VEMP (mg/m ³)	713 mg/m ³
Canada (Quebec)	VEMP (ppm)	150 ppm
USA - ACGIH	ACGIH TWA (ppm)	50 ppm
USA - ACGIH	ACGIH STEL (ppm)	150 ppm
USA - IDLH	US IDLH (ppm)	1700 ppm (10% LEL)
USA - NIOSH	NIOSH REL (TWA) (mg/m ³)	710 mg/m ³
USA - NIOSH	NIOSH REL (TWA) (ppm)	150 ppm
USA - NIOSH	NIOSH REL (STEL) (mg/m ³)	950 mg/m ³
USA - NIOSH	NIOSH REL (STEL) (ppm)	200 ppm
USA - OSHA	OSHA PEL (TWA) (mg/m ³)	710 mg/m ³
USA - OSHA	OSHA PEL (TWA) (ppm)	150 ppm
Toluene (108-88-3)		
EU	IOELV TWA (mg/m ³)	192 mg/m ³
EU	IOELV TWA (ppm)	50 ppm
EU	IOELV STEL (mg/m ³)	384 mg/m ³
EU	IOELV STEL (ppm)	100 ppm
Austria	MAK (mg/m ³)	190 mg/m ³
Austria	MAK (ppm)	50 ppm
Austria	MAK Short time value (mg/m ³)	380 mg/m ³
Austria	MAK Short time value (ppm)	100 ppm
Belgium	Limit value (mg/m ³)	77 mg/m ³
Belgium	Limit value (ppm)	20 ppm
Belgium	Short time value (mg/m ³)	384 mg/m ³
Belgium	Short time value	100 ppm
Bulgaria	OEL TWA (mg/m ³)	192,0 mg/m ³
Bulgaria	OEL TWA (ppm)	50 ppm
Bulgaria	OEL STEL (mg/m ³)	384,0 mg/m ³
Bulgaria	OEL STEL (ppm)	100 ppm
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	192 mg/m ³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	50 ppm
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m ³)	384 mg/m ³
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	100 ppm
Cyprus	OEL TWA (mg/m ³)	192 mg/m ³
Cyprus	OEL TWA (ppm)	50 ppm
Cyprus	OEL STEL (mg/m ³)	384 mg/m ³
Cyprus	OEL STEL (ppm)	100 ppm
Czech Republic	Expoziční limity (PEL) (mg/m ³)	200 mg/m ³
Denmark	Grænseværdie (langvarig) (mg/m ³)	94 mg/m ³
Denmark	Grænseværdie (langvarig) (ppm)	25 ppm

SAFETY DATA SHEET

VHT Paint

Toluene (108-88-3)		
Estonia	OEL TWA (mg/m ³)	192 mg/m ³
Estonia	OEL TWA (ppm)	50 ppm
Estonia	OEL STEL (mg/m ³)	384 mg/m ³
Estonia	OEL STEL (ppm)	100 ppm
Finland	HTP-arvo (8h) (mg/m ³)	81 mg/m ³
Finland	HTP-arvo (8h) (ppm)	25 ppm
Finland	HTP-arvo (15 min)	380 mg/m ³
Finland	HTP-arvo (15 min) (ppm)	100 ppm
France	VME (mg/m ³)	76,8 mg/m ³ (restrictive limit)
France	VME (ppm)	20 ppm (restrictive limit)
France	VLE (mg/m ³)	384 mg/m ³ (restrictive limit)
France	VLE (ppm)	100 ppm (restrictive limit)
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	190 mg/m ³ (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	TRGS 900 Occupational exposure limit value (ppm)	50 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	TRGS 903 (BGW)	600 µg/l (Medium: whole blood - Time: end of shift - Parameter: Toluene) 1,5 mg/l (Medium: urine - Time: end of several shifts - Parameter: o-Cresol (after hydrolysis))
Gibraltar	OEL TWA (mg/m ³)	192 mg/m ³
Gibraltar	OEL TWA (ppm)	50 ppm
Gibraltar	OEL STEL (mg/m ³)	384 mg/m ³
Gibraltar	OEL STEL (ppm)	100 ppm
Greece	OEL TWA (mg/m ³)	192 mg/m ³
Greece	OEL TWA (ppm)	50 ppm
Greece	OEL STEL (mg/m ³)	384 mg/m ³
Greece	OEL STEL (ppm)	100 ppm
Hungary	AK-érték	190 mg/m ³
Hungary	CK-érték	380 mg/m ³
Ireland	OEL (8 hours ref) (mg/m ³)	192 mg/m ³
Ireland	OEL (8 hours ref) (ppm)	50 ppm
Ireland	OEL (15 min ref) (mg/m ³)	384 mg/m ³
Ireland	OEL (15 min ref) (ppm)	100 ppm
Italy	OEL TWA (mg/m ³)	192 mg/m ³
Italy	OEL TWA (ppm)	50 ppm
Latvia	OEL TWA (mg/m ³)	50 mg/m ³
Latvia	OEL TWA (ppm)	14 ppm
Lithuania	IPRV (mg/m ³)	192 mg/m ³
Lithuania	IPRV (ppm)	50 ppm
Lithuania	TPRV (mg/m ³)	384 mg/m ³
Lithuania	TPRV (ppm)	100 ppm
Luxembourg	OEL TWA (mg/m ³)	192 mg/m ³

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VHT Paint

Toluene (108-88-3)		
Luxembourg	OEL TWA (ppm)	50 ppm
Luxembourg	OEL STEL (mg/m ³)	384 mg/m ³
Luxembourg	OEL STEL (ppm)	100 ppm
Malta	OEL TWA (mg/m ³)	192 mg/m ³
Malta	OEL TWA (ppm)	50 ppm
Malta	OEL STEL (mg/m ³)	384 mg/m ³
Malta	OEL STEL (ppm)	100 ppm
Netherlands	Grenswaarde TGG 8H (mg/m ³)	150 mg/m ³
Netherlands	Grenswaarde TGG 15MIN (mg/m ³)	384 mg/m ³
Poland	NDS (mg/m ³)	100 mg/m ³
Poland	NDSch (mg/m ³)	200 mg/m ³
Portugal	OEL TWA (mg/m ³)	192 mg/m ³ (indicative limit value)
Portugal	OEL TWA (ppm)	50 ppm (indicative limit value)
Portugal	OEL STEL (mg/m ³)	384 mg/m ³ (indicative limit value)
Portugal	OEL STEL (ppm)	100 ppm (indicative limit value)
Romania	OEL TWA (mg/m ³)	192 mg/m ³
Romania	OEL TWA (ppm)	50 ppm
Romania	OEL STEL (mg/m ³)	384 mg/m ³
Romania	OEL STEL (ppm)	100 ppm
Slovakia	NPHV (priemerná) (mg/m ³)	192 mg/m ³
Slovakia	NPHV (priemerná) (ppm)	50 ppm
Slovakia	NPHV (Hraničná) (mg/m ³)	384 mg/m ³
Slovenia	OEL TWA (mg/m ³)	192 mg/m ³
Slovenia	OEL TWA (ppm)	50 ppm
Slovenia	OEL STEL (mg/m ³)	384 mg/m ³
Slovenia	OEL STEL (ppm)	100 ppm
Spain	VLA-ED (mg/m ³)	192 mg/m ³ (indicative limit value)
Spain	VLA-ED (ppm)	50 ppm (indicative limit value)
Spain	VLA-EC (mg/m ³)	384 mg/m ³
Spain	VLA-EC (ppm)	100 ppm
Sweden	nivågränsvärde (NVG) (mg/m ³)	192 mg/m ³
Sweden	nivågränsvärde (NVG) (ppm)	50 ppm
Sweden	kortidsvärde (KTV) (mg/m ³)	384 mg/m ³
Sweden	kortidsvärde (KTV) (ppm)	100 ppm
United Kingdom	WEL TWA (mg/m ³)	191 mg/m ³
United Kingdom	WEL TWA (ppm)	50 ppm
United Kingdom	WEL STEL (mg/m ³)	384 mg/m ³
United Kingdom	WEL STEL (ppm)	100 ppm
Norway	Grenseverdier (AN) (mg/m ³)	94 mg/m ³
Norway	Grenseverdier (AN) (ppm)	25 ppm
Norway	Grenseverdier (Kortidsverdi) (mg/m ³)	94 mg/m ³
Norway	Grenseverdier (Kortidsverdi) (ppm)	25 ppm
Switzerland	VME (mg/m ³)	190 mg/m ³
Switzerland	VME (ppm)	50 ppm

SAFETY DATA SHEET

VHT Paint

Toluene (108-88-3)		
Switzerland	VLE (mg/m ³)	760 mg/m ³
Switzerland	VLE (ppm)	200 ppm
Australia	TWA (mg/m ³)	191 mg/m ³
Australia	TWA (ppm)	50 ppm
Australia	STEL (mg/m ³)	574 mg/m ³
Australia	STEL (ppm)	150 ppm
Canada (Quebec)	VEMP (mg/m ³)	188 mg/m ³
Canada (Quebec)	VEMP (ppm)	50 ppm
USA - ACGIH	ACGIH TWA (ppm)	20 ppm
USA - IDLH	US IDLH (ppm)	500 ppm
USA - NIOSH	NIOSH REL (TWA) (mg/m ³)	375 mg/m ³
USA - NIOSH	NIOSH REL (TWA) (ppm)	100 ppm
USA - NIOSH	NIOSH REL (STEL) (mg/m ³)	560 mg/m ³
USA - NIOSH	NIOSH REL (STEL) (ppm)	150 ppm
USA - OSHA	OSHA PEL (TWA) (ppm)	200 ppm
USA - OSHA	OSHA PEL (Ceiling) (ppm)	300 ppm
xylene (1330-20-7)		
EU	IOELV TWA (mg/m ³)	221 mg/m ³ (pure)
EU	IOELV TWA (ppm)	50 ppm (pure)
EU	IOELV STEL (mg/m ³)	442 mg/m ³ (pure)
EU	IOELV STEL (ppm)	100 ppm (pure)
Austria	MAK (mg/m ³)	221 mg/m ³ (all isomers)
Austria	MAK (ppm)	50 ppm (all isomers)
Austria	MAK Short time value (mg/m ³)	442 mg/m ³ (all isomers)
Austria	MAK Short time value (ppm)	100 ppm (all isomers)
Belgium	Limit value (mg/m ³)	221 mg/m ³
Belgium	Limit value (ppm)	50 ppm
Belgium	Short time value (mg/m ³)	442 mg/m ³
Belgium	Short time value	100 ppm
Bulgaria	OEL TWA (mg/m ³)	221,0 mg/m ³ (pure)
Bulgaria	OEL TWA (ppm)	50 ppm (pure)
Bulgaria	OEL STEL (mg/m ³)	442 mg/m ³ (pure)
Bulgaria	OEL STEL (ppm)	100 ppm (pure)
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	221 mg/m ³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	50 ppm
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m ³)	442 mg/m ³
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	100 ppm
Cyprus	OEL TWA (mg/m ³)	221 mg/m ³
Cyprus	OEL TWA (ppm)	50 ppm
Cyprus	OEL STEL (mg/m ³)	442 mg/m ³
Cyprus	OEL STEL (ppm)	100 ppm
Czech Republic	Expoziční limity (PEL) (mg/m ³)	200 mg/m ³
Denmark	Grænseværdie (langvarig) (mg/m ³)	109 mg/m ³
Denmark	Grænseværdie (langvarig) (ppm)	25 ppm
Estonia	OEL TWA (mg/m ³)	221 mg/m ³

SAFETY DATA SHEET

VHT Paint

xylene (1330-20-7)		
Estonia	OEL TWA (ppm)	50 ppm
Estonia	OEL STEL (mg/m³)	442 mg/m³
Estonia	OEL STEL (ppm)	100 ppm
Finland	HTP-arvo (8h) (mg/m³)	220 mg/m³
Finland	HTP-arvo (8h) (ppm)	50 ppm
Finland	HTP-arvo (15 min)	440 mg/m³
Finland	HTP-arvo (15 min) (ppm)	100 ppm
France	VME (mg/m³)	221 mg/m³ (restrictive limit)
France	VME (ppm)	50 ppm (restrictive limit)
France	VLE (mg/m³)	442 mg/m³ (restrictive limit)
France	VLE (ppm)	100 ppm (restrictive limit)
Germany	TRGS 900 Occupational exposure limit value (mg/m³)	440 mg/m³ (all isomers)
Germany	TRGS 900 Occupational exposure limit value (ppm)	100 ppm (all isomers)
Germany	TRGS 903 (BGW)	1,5 mg/l (Medium: whole blood - Time: end of shift - Parameter: Xylene (all isomers) 2000 mg/l (Medium: urine - Time: end of shift - Parameter: Methylhippuric(tolur-)acid (all isomers)
Gibraltar	OEL TWA (mg/m³)	221 mg/m³ (pure)
Gibraltar	OEL TWA (ppm)	50 ppm (pure)
Gibraltar	OEL STEL (mg/m³)	442 mg/m³ (pure)
Gibraltar	OEL STEL (ppm)	100 ppm (pure)
Greece	OEL TWA (mg/m³)	435 mg/m³
Greece	OEL TWA (ppm)	100 ppm
Greece	OEL STEL (mg/m³)	650 mg/m³
Greece	OEL STEL (ppm)	150 ppm
Hungary	AK-érték	221 mg/m³
Hungary	CK-érték	442 mg/m³
Ireland	OEL (8 hours ref) (mg/m³)	221 mg/m³
Ireland	OEL (8 hours ref) (ppm)	50 ppm
Ireland	OEL (15 min ref) (mg/m³)	442 mg/m³
Ireland	OEL (15 min ref) (ppm)	100 ppm
Italy	OEL TWA (mg/m³)	221 mg/m³ (pure)
Italy	OEL TWA (ppm)	50 ppm (pure)
Italy	OEL STEL (mg/m³)	442 mg/m³ (pure)
Italy	OEL STEL (ppm)	100 ppm (pure)
Latvia	OEL TWA (mg/m³)	221 mg/m³
Latvia	OEL TWA (ppm)	50 ppm
Lithuania	IPRV (mg/m³)	200 mg/m³
Lithuania	IPRV (ppm)	50 ppm
Lithuania	TPRV (mg/m³)	450 mg/m³
Lithuania	TPRV (ppm)	100 ppm
Luxembourg	OEL TWA (mg/m³)	221 mg/m³

SAFETY DATA SHEET

VHT Paint

xylene (1330-20-7)		
Luxembourg	OEL TWA (ppm)	50 ppm
Luxembourg	OEL STEL (mg/m ³)	442 mg/m ³
Luxembourg	OEL STEL (ppm)	100 ppm
Malta	OEL TWA (mg/m ³)	221 mg/m ³ (pure)
Malta	OEL TWA (ppm)	50 ppm (pure)
Malta	OEL STEL (mg/m ³)	442 mg/m ³ (pure)
Malta	OEL STEL (ppm)	100 ppm (pure)
Netherlands	Grenswaarde TGG 8H (mg/m ³)	210 mg/m ³
Netherlands	Grenswaarde TGG 15MIN (mg/m ³)	442 mg/m ³
Poland	NDS (mg/m ³)	100 mg/m ³
Portugal	OEL TWA (mg/m ³)	221 mg/m ³ (indicative limit value)
Portugal	OEL TWA (ppm)	50 ppm (indicative limit value)
Portugal	OEL STEL (mg/m ³)	442 mg/m ³ (indicative limit value)
Portugal	OEL STEL (ppm)	100 ppm (indicative limit value)
Romania	OEL TWA (mg/m ³)	221 mg/m ³ (pure)
Romania	OEL TWA (ppm)	50 ppm (pure)
Romania	OEL STEL (mg/m ³)	442 mg/m ³ (pure)
Romania	OEL STEL (ppm)	100 ppm (pure)
Slovakia	NPHV (priemerná) (mg/m ³)	221 mg/m ³
Slovakia	NPHV (priemerná) (ppm)	50 ppm
Slovakia	NPHV (Hraničná) (mg/m ³)	442 mg/m ³
Slovenia	OEL TWA (mg/m ³)	221 mg/m ³
Slovenia	OEL TWA (ppm)	50 ppm
Slovenia	OEL STEL (mg/m ³)	442 mg/m ³
Slovenia	OEL STEL (ppm)	100 ppm
Spain	VLA-ED (mg/m ³)	221 mg/m ³ (indicative limit value)
Spain	VLA-ED (ppm)	50 ppm (indicative limit value)
Spain	VLA-EC (mg/m ³)	442 mg/m ³
Spain	VLA-EC (ppm)	100 ppm
Sweden	nivågränsvärde (NVG) (mg/m ³)	221 mg/m ³
Sweden	nivågränsvärde (NVG) (ppm)	50 ppm
Sweden	kortidsvärde (KTV) (mg/m ³)	442 mg/m ³
Sweden	kortidsvärde (KTV) (ppm)	100 ppm
United Kingdom	WEL TWA (mg/m ³)	220 mg/m ³
United Kingdom	WEL TWA (ppm)	50 ppm
United Kingdom	WEL STEL (mg/m ³)	441 mg/m ³
United Kingdom	WEL STEL (ppm)	100 ppm
Norway	Grenseverdier (AN) (mg/m ³)	108 mg/m ³
Norway	Grenseverdier (AN) (ppm)	25 ppm
Norway	Grenseverdier (Kortidsverdi) (mg/m ³)	135 mg/m ³
Norway	Grenseverdier (Kortidsverdi) (ppm)	37,5 ppm
Switzerland	VME (mg/m ³)	435 mg/m ³
Switzerland	VME (ppm)	100 ppm
Switzerland	VLE (mg/m ³)	870 mg/m ³
Switzerland	VLE (ppm)	200 ppm

SAFETY DATA SHEET

VHT Paint

xylene (1330-20-7)		
Australia	TWA (mg/m ³)	350 mg/m ³
Australia	TWA (ppm)	80 ppm
Australia	STEL (mg/m ³)	655 mg/m ³
Australia	STEL (ppm)	150 ppm
Canada (Quebec)	VECD (mg/m ³)	651 mg/m ³
Canada (Quebec)	VECD (ppm)	150 ppm
Canada (Quebec)	VEMP (mg/m ³)	434 mg/m ³
Canada (Quebec)	VEMP (ppm)	100 ppm
USA - ACGIH	ACGIH TWA (ppm)	100 ppm
USA - ACGIH	ACGIH STEL (ppm)	150 ppm
USA - OSHA	OSHA PEL (TWA) (mg/m ³)	435 mg/m ³
USA - OSHA	OSHA PEL (TWA) (ppm)	100 ppm
dimethyl ether (115-10-6)		
EU	IOELV TWA (mg/m ³)	1920 mg/m ³
EU	IOELV TWA (ppm)	1000 ppm
Austria	MAK (mg/m ³)	1910 mg/m ³
Austria	MAK (ppm)	1000 ppm
Austria	MAK Short time value (mg/m ³)	3820 mg/m ³
Austria	MAK Short time value (ppm)	2000 ppm
Belgium	Limit value (mg/m ³)	1920 mg/m ³
Belgium	Limit value (ppm)	1000 ppm
Bulgaria	OEL TWA (mg/m ³)	1920 mg/m ³
Bulgaria	OEL TWA (ppm)	1000 ppm
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	1920 mg/m ³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	1000 ppm
Cyprus	OEL TWA (mg/m ³)	1920 mg/m ³
Cyprus	OEL TWA (ppm)	1000 ppm
Czech Republic	Expoziční limit (PEL) (mg/m ³)	1000 mg/m ³
Denmark	Grænseværdie (langvarig) (mg/m ³)	1920 mg/m ³
Denmark	Grænseværdie (langvarig) (ppm)	1000 ppm
Estonia	OEL TWA (mg/m ³)	1920 mg/m ³
Estonia	OEL TWA (ppm)	1000 ppm
Finland	HTP-arvo (8h) (mg/m ³)	2000 mg/m ³
Finland	HTP-arvo (8h) (ppm)	1000 ppm
France	VME (mg/m ³)	1920 mg/m ³ (indicative limit)
France	VME (ppm)	1000 ppm (indicative limit)
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	1900 mg/m ³
Germany	TRGS 900 Occupational exposure limit value (ppm)	1000 ppm
Gibraltar	OEL TWA (mg/m ³)	1920 mg/m ³
Gibraltar	OEL TWA (ppm)	1000 ppm
Greece	OEL TWA (mg/m ³)	1920 mg/m ³
Greece	OEL TWA (ppm)	1000 ppm
Hungary	AK-érték	1920 mg/m ³

SAFETY DATA SHEET

VHT Paint

dimethyl ether (115-10-6)		
Hungary	CK-érték	7680 mg/m ³ (Substances with European indicative limits (96/94/EC, 2000/39/EC, 2006/15/EC, 2009/161/EU), which currently has no peak limit concentration. In these cases, Annex 3.1. should be used exercised)
Ireland	OEL (8 hours ref) (mg/m ³)	1920 mg/m ³
Ireland	OEL (8 hours ref) (ppm)	1000 ppm
Ireland	OEL (15 min ref) (mg/m ³)	5760 mg/m ³ (calculated)
Ireland	OEL (15 min ref) (ppm)	3000 ppm (calculated)
Italy	OEL TWA (mg/m ³)	1920 mg/m ³
Italy	OEL TWA (ppm)	1000 ppm
Latvia	OEL TWA (mg/m ³)	1920 mg/m ³
Latvia	OEL TWA (ppm)	1000 ppm
Lithuania	IPRV (mg/m ³)	1920 mg/m ³
Lithuania	IPRV (ppm)	1000 ppm
Lithuania	TPRV (mg/m ³)	2280 mg/m ³
Lithuania	TPRV (ppm)	1500 ppm
Luxembourg	OEL TWA (mg/m ³)	1920 mg/m ³
Luxembourg	OEL TWA (ppm)	1000 ppm
Malta	OEL TWA (mg/m ³)	1920 mg/m ³
Malta	OEL TWA (ppm)	1000 ppm
Netherlands	Grenswaarde TGG 8H (mg/m ³)	950 mg/m ³
Netherlands	Grenswaarde TGG 15MIN (mg/m ³)	1500 mg/m ³
Poland	NDS (mg/m ³)	1000 mg/m ³
Portugal	OEL TWA (mg/m ³)	1920 mg/m ³ (indicative limit value)
Portugal	OEL TWA (ppm)	1000 ppm (indicative limit value)
Romania	OEL TWA (mg/m ³)	1920 mg/m ³
Romania	OEL TWA (ppm)	1000 ppm
Slovakia	NPHV (priemerná) (mg/m ³)	1920 mg/m ³
Slovakia	NPHV (priemerná) (ppm)	1000 ppm
Slovenia	OEL TWA (mg/m ³)	1920 mg/m ³
Slovenia	OEL TWA (ppm)	1000 ppm
Spain	VLA-ED (mg/m ³)	1920 mg/m ³ (indicative limit value)
Spain	VLA-ED (ppm)	1000 ppm (indicative limit value)
Sweden	nivågränsvärde (NVG) (mg/m ³)	950 mg/m ³
Sweden	nivågränsvärde (NVG) (ppm)	500 ppm
Sweden	kortidsvärde (KTV) (mg/m ³)	1500 mg/m ³
Sweden	kortidsvärde (KTV) (ppm)	800 ppm
United Kingdom	WEL TWA (mg/m ³)	766 mg/m ³
United Kingdom	WEL TWA (ppm)	400 ppm
United Kingdom	WEL STEL (mg/m ³)	958 mg/m ³
United Kingdom	WEL STEL (ppm)	500 ppm
Norway	Grenseverdier (AN) (mg/m ³)	384 mg/m ³
Norway	Grenseverdier (AN) (ppm)	200 ppm

SAFETY DATA SHEET

VHT Paint

dimethyl ether (115-10-6)		
Norway	Grenseverdier (Korttidsverdi) (mg/m ³)	384 mg/m ³
Norway	Grenseverdier (Korttidsverdi) (ppm)	200 ppm
Switzerland	VME (mg/m ³)	1910 mg/m ³
Switzerland	VME (ppm)	1000 ppm
Australia	TWA (mg/m ³)	760 mg/m ³
Australia	TWA (ppm)	400 ppm
Australia	STEL (mg/m ³)	950 mg/m ³
Australia	STEL (ppm)	500 ppm

Additional information

Personal air monitoring: Room air monitoring. Recommended monitoring procedures

8.2. Exposure controls

Engineering control measures

Provide adequate ventilation. Organisational measures to prevent/limit releases, dispersion and exposure. Safe handling: see Section 7. Use only outdoors or in a well-ventilated area. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges.

Personal protection equipment

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hand protection

Wear chemically resistant gloves (tested to EN374). Suitable material: Viton® (0.3mm, BBT: 480 min). The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Eye protection

Use suitable eye protection. (EN166): Goggles

Body protection

Wear suitable protective clothing.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Half-face mask (EN140). Full face mask (EN136). Filter type: ABEK (EN 141). The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used (EN137).

Thermal hazard protection

Not required for normal conditions of use. Use dedicated equipment.

Environmental exposure controls

Avoid release to the environment. Comply with applicable Community environmental protection legislation.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	aerosol.
Colour	No data available
Odour	No data available
Odour threshold	No data available
pH	No data available
Relative evaporation rate (butylacetate=1)	No data available
Melting point/freezing point	No data available
Freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Auto-ignition temperature	No data available

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Decomposition temperature	No data available
Flammability (solid, gas)	Not applicable, liquid, Extremely flammable aerosol
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Solubility	Water: No data available
Partition coefficient n-octanol/water	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available
Explosive limits	No data available

9.2. Other information

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reference to other Sections: 10.4 & 10.5. Extremely flammable aerosol.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Will ignite if exposed to intensive heat and air. Risk of explosion by shock, friction, fire or other sources of ignition. No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Safe handling: see Section 7. Avoid temperatures above 50 °C.

10.5. Incompatible materials

Oxidising substances. Safe handling: see Section 7.

10.6. Hazardous decomposition products

Reference to other Sections: 5.2.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

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

Acrylic acid resin (9003-01-4)	
LD50/oral/rat	2500 mg/kg
Methyl acetate (79-20-9)	
LD50/oral/rat	> 5 g/kg
LD50/dermal/rabbit	> 5 g/kg
LC50/inhalation/4h/rat (ppm)	16000 ppm/4h
Ethyl acetate (141-78-6)	
LD50/oral/rat	5620 mg/kg
LD50/dermal/rabbit	> 18000 mg/kg
n-butyl acetate (123-86-4)	
LD50/oral/rat	10768 mg/kg
LD50/dermal/rabbit	> 17600 mg/kg

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n-butyl acetate (123-86-4)	
LC50/inhalation/4h/rat (ppm)	390 ppm/4h
Toluene (108-88-3)	
LD50/oral/rat	2600 mg/kg
LD50/dermal/rabbit	12000 mg/kg
LC50/inhalation/4h/rat	12,5 mg/l/4h
LC50/inhalation/4h/rat (ppm)	> 26700 ppm/1h
xylene (1330-20-7)	
LD50/oral/rat	3500 mg/kg
LD50/dermal/rabbit	> 2000 mg/kg
LC50/inhalation/4h/rat	29,08 mg/l/4h
dimethyl ether (115-10-6)	
LC50/inhalation/4h/rat	308,5 mg/l/4h
Skin corrosion/irritation	Causes skin irritation. pH: No data available
Serious eye damage/eye irritation	Causes serious eye irritation. pH: No data available
Respiratory or skin sensitisation	Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	Suspected of damaging fertility or the unborn child. STOT-
single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure	Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	Not classified (Based on available data, the classification criteria are not met)
Aerosol Paint	
Vaporizer	Aerosol
Other adverse effects	Suspected of damaging fertility or the unborn child.
Other information	Symptoms related to the physical, chemical and toxicological characteristics. For further information see Section 4.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Environmental properties

According to the criteria of the European classification and labelling system, the substance/the product has not to be labelled as "dangerous for the environment".

Acrylic acid resin (9003-01-4)	
LC50 fish 1	580 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)
Methyl acetate (79-20-9)	
LC50 fish 1	295 - 348 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	1026,7 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2	250 - 350 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])
Ethyl acetate (141-78-6)	
LC50 fish 1	220 - 250 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	560 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	484 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])
n-butyl acetate (123-86-4)	
LC50 fish 1	100 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
LC50 fish 2	17 - 19 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])

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Toluene (108-88-3)	
LC50 fish 1	15,22 - 19,05 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	5,46 - 9,83 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	12,6 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 2	11,5 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 other aquatic organisms 2	12,5 mg/l (Exposure time: 72 h - Species: Pseudokirchneriella subcapitata [static])
xylene (1330-20-7)	
LC50 fish 1	13,4 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	3,82 mg/l (Exposure time: 48 h - Species: water flea)
LC50 fish 2	2,661 - 4,093 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 2	0,6 mg/l (Exposure time: 48 h - Species: Gammarus lacustris)

12.2. Persistence and degradability

Aerosol Paint	
Persistence and degradability	No data available.
n-butyl acetate (123-86-4)	
Biodegradation	83 % (28 days)

12.3. Bioaccumulative potential

Aerosol Paint	
Partition coefficient n-octanol/water	No data available
Bioaccumulative potential	No data available.
Methyl acetate (79-20-9)	
Partition coefficient n-octanol/water	2
Ethyl acetate (141-78-6)	
BCF fish 1	30
Partition coefficient n-octanol/water	0,6
n-butyl acetate (123-86-4)	
Partition coefficient n-octanol/water	1,81 (at 23 °C)
Toluene (108-88-3)	
Partition coefficient n-octanol/water	2,7
xylene (1330-20-7)	
BCF fish 1	0,6 - 15
Partition coefficient n-octanol/water	2,77 - 3,15
dimethyl ether (115-10-6)	
Partition coefficient n-octanol/water	-0,18

12.4. Mobility in soil

Aerosol Paint	
Mobility in soil	No data available

12.5. Results of PBT and vPvB assessment

Aerosol Paint	
Results of PBT assessment	No data available

12.6. Other adverse effects

Other adverse effects	No data available.
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SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste disposal recommendations

Avoid release to the environment. Dispose of empty containers and wastes safely. Safe handling: see Section 7. Refer to the manufacturer/supplier for information on recovery/recycling. Recycling is preferred to disposal or incineration. If recycling is not possible, eliminate in accordance with local valid waste disposal regulations. Handle contaminated packages in the same way as the substance itself. Dispose of contaminated materials in accordance with current regulations. Packaging contaminated by the product: do not pierce or burn, even after use. Never use pressure to empty container.

List of proposed waste codes/waste designations in accordance with EWC (2001/573/EC, 75/442/EEC, 91/689/EEC)

This material and its container must be disposed of as hazardous waste. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

SECTION 14: TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / ADN

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

14.6. Special precautions for user

Special precautions for user

No data available

- Overland transport

Classification code (ADR)	5F
Special Provisions	190, 327, 344, 625
Limited quantities (ADR)	1I
Excepted quantities (ADR)	E0
Packing instructions (ADR)	P207, LP02
Special packing provisions (ADR)	PP87, RR6, L2
Mixed packing provisions (ADR)	MP9
Transport category (ADR)	2
Special provisions for carriage - Packages (ADR)	V14

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Special provisions for carriage - Loading, unloading and handling (ADR)	CV9, CV12
Special provisions for carriage - Operation (ADR)	S2
tunnel restriction code	D
- Transport by sea	
Special provisions (IMDG)	63, 190, 277, 327, 344, 959
Limited quantities (IMDG)	SP277
Excepted quantities (IMDG)	E0
Packing instructions (IMDG)	P207, LP02
Special packing provisions (IMDG)	PP87, L2
EmS-No. (Fire)	F-D
EmS-No. (Spillage)	S-U
Stowage category (IMDG)	None
Stowage and handling (IMDG)	SW1, SW22
Segregation (IMDG)	SG69
- Air transport	
PCA Excepted quantities (IATA)	E0
PCA Limited quantities (IATA)	Y203
PCA limited quantity max net quantity (IATA)	30kgG
PCA packing instructions (IATA)	203
PCA max net quantity (IATA)	75kg
CAO packing instructions (IATA)	203
CAO max net quantity (IATA)	150kg
Special provisions (IATA)	A145, A167, A802
ERG code (IATA)	10L
- Inland waterway transport	
Classification code (ADN)	5F
Special provisions (ADN)	190, 327, 344, 625
Limited quantities (ADN)	1 L
Excepted quantities (ADN)	E0
Equipment required (ADN)	PP, EX, A
Ventilation (ADN)	VE01, VE04
Number of blue cones/lights (ADN)	1
- Rail transport	
Classification code (RID)	5F
Special provisions (RID)	190, 327, 344, 625
Limited quantities (RID)	1L
Excepted quantities (RID)	E0
Packing instructions (RID)	P207, LP02
Special packing provisions (RID)	PP87, RR6, L2
Mixed packing provisions (RID)	MP9
Transport category (RID)	2
Special provisions for carriage – Packages (RID)	W14
Special provisions for carriage - Loading, unloading and handling (RID)	CW9, CW12

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Colis express (express parcels) (RID)

CE2

Hazard identification number (RID)

23

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Code: IBC

No data available.

SECTION 15: REGULATORY INFORMATION

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

EU Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	Methyl acetate - n-butyl acetate - Ethyl acetate - Toluene - xylene
3.a. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	Aerosol Paint - Methyl acetate - n-butyl acetate - Ethyl acetate - Toluene - xylene
3.b. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	Aerosol Paint - Methyl acetate - Ethyl acetate - Toluene - xylene
40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	Methyl acetate - n-butyl acetate - Ethyl acetate - Toluene - xylene - dimethyl ether
48. Toluene	Toluene

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

National regulations

France

No ICPE	Installations classées Désignation de la rubrique	Code Régime	Rayon
1421.text	Installation de remplissage d'aérosols inflammables de catégorie 1 et 2		
1421.1	1. Aérosols inflammables contenant des gaz inflammables de catégorie 1 ou 2 ou des liquides inflammables de catégorie 1. Lorsque le remplissage dépasse 1000 unités par jour	A	1
1421.2	2. Aérosols inflammables non visés par le point 1 et contenant des liquides inflammables de catégorie 2 et 3, le débit maximal de l'installation étant supérieur ou égal à 100 m³/h	A	1
4320.text	Aérosols extrêmement inflammables ou inflammables de catégorie 1 ou 2 contenant des gaz inflammables de catégorie 1 ou 2 ou des liquides inflammables de catégorie 1.		
4320.1	La quantité totale susceptible d'être présente dans l'installation étant : 1. Supérieure ou égale à 150 t Nota. — Les aérosols inflammables sont classés conformément à la directive 75/324/CEE relative aux générateurs aérosols. Les aérosols extrêmement inflammables et inflammables de la directive 75/324/ CEE correspondent respectivement aux aérosols inflammables des catégories 1 et 2 du règlement (CE) n° 1272/2008. Quantité seuil bas au sens de l'article R. 511-10 : 150 t. Quantité seuil haut au sens de l'article R. 511-10 : 500 t.	A	2

4320.2	La quantité totale susceptible d'être présente dans l'installation étant : 2. Supérieure ou égale à 15 t et inférieure à 150 t Nota. – Les aérosols inflammables sont classés conformément à la directive 75/324/ CEE relative aux générateurs aérosols. Les aérosols extrêmement inflammables et inflammables de la directive 75/324/ CEE correspondent respectivement aux aérosols inflammables des catégories 1 et 2 du règlement (CE) n° 1272/2008. Quantité seuil bas au sens de l'article R. 511-10 : 150 t. Quantité seuil haut au sens de l'article R. 511-10 : 500 t.	D	
4321.text	Aérosols extrêmement inflammables ou inflammables de catégorie 1 ou 2 ne contenant pas de gaz inflammables de catégorie 1 ou 2 ou des liquides inflammables de catégorie 1.		
4321.1	La quantité totale susceptible d'être présente dans l'installation étant : 1. Supérieure ou égale à 5 000 t Nota. – Les aérosols inflammables sont classés conformément à la directive 75/324/ CEE relative aux générateurs aérosols. Les aérosols extrêmement inflammables et inflammables de la directive 75/324/ CEE correspondent respectivement aux aérosols inflammables des catégories 1 et 2 du règlement (CE) n° 1272/2008. Quantité seuil bas au sens de l'article R. 511-10 : 5 000 t. Quantité seuil haut au sens de l'article R. 511-10 : 50 000 t.	A	1
4321.2	La quantité totale susceptible d'être présente dans l'installation étant : 2. Supérieure ou égale à 500 t et inférieure à 5 000 t Nota. – Les aérosols inflammables sont classés conformément à la directive 75/324/ CEE relative aux générateurs aérosols. Les aérosols extrêmement inflammables et inflammables de la directive 75/324/ CEE correspondent respectivement aux aérosols inflammables des catégories 1 et 2 du règlement (CE) n° 1272/2008. Quantité seuil bas au sens de l'article R. 511-10 : 5 000 t. Quantité seuil haut au sens de l'article R. 511-10 : 50 000 t.	D	

Germany

VwVwS Annex reference

Water hazard class (WGK) 2, hazard to waters (Classification according to VwVwS, Annex 4)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV

Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen

None of the components are listed

SZW-lijst van mutagene stoffen

None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding

None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid

None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling

Toluene, xylene are listed

Denmark

Classification remarks

Emergency management guidelines for the storage of flammable liquids must be followed

Recommendations Danish Regulation

Young people below the age of 18 years are not allowed to use the product
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

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15.2. Chemical safety assessment

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

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms:

	ABM = Algemene beoordelingsmethodiek
	ADN = Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route CLP = Classification, Labelling and Packaging Regulation according to 1272/2008/EC IATA = International Air Transport Association IMDG = International Maritime Dangerous Goods Code LEL = Lower Explosive Limit/Lower Explosion Limit UEL = Upper Explosion Limit/Upper Explosive Limit REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
	BTT = Breakthrough time (maximum wearing time)
	DMEL = Derived Minimal Effect level
	DNEL = Derived No Effect Level
	EC50 = Median Effective Concentration
	EL50 = Median effective level
	ErC50 = EC50 in terms of reduction of growth rate
	ErL50 = EL50 in terms of reduction of growth rate
	EWC = European waste catalogue
	LC50 = Median lethal concentration
	LD50 = Median lethal dose
	LL50 = Median lethal level
	NA = Not applicable
	NOEC = No observed effect concentration
	NOEL: no-observed-effect level
	NOELR = No observed effect loading rate
	NOAEC = No observed adverse effect concentration
	NOAEL = No observed adverse effect level
	N.O.S. = Not Otherwise Specified
	OEL = Occupational Exposure Limits - Short Term Exposure Limits (STELs)
	PNEC = Predicted No Effect Concentration
	Quantitative structure-activity relationship (QSAR)
	STOT = Specific Target Organ Toxicity
	TWA = time weighted average
	VOC = Volatile organic compounds
	WGK = Wassergefährdungsklasse (Water Hazard Class under German Federal Water Management Act)

Sources of key data used to compile the datasheet

European Chemicals Bureau, Supplier info. LOLI. Calculation method. Article number 9.

Training advice

Training staff on good practice. Manipulations are to be done only by qualified and authorised persons.

Full text of H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
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Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Aerosol 1	Aerosol, Category 1
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Flam. Gas 1	Flammable gases, hazard category 1
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Liquefied gas	Gases under pressure : Liquefied gas
Repr. 2	Reproductive toxicity, Hazard Category 2
Repr. 2	Reproductive toxicity, Hazard Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H229	Pressurised container. May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H361	Suspected of damaging fertility or the unborn child.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.

The contents and format of this SDS are in accordance with EEC Commission Directive 2015/830/EC, 1272/2008/EC and EEC Commission Regulation 1907/2006/EC (REACH) Annex II.

Disclaimer

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at UK, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.