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

1.1. Product identifier

Trade name/designation : Warm Fusion Spray Paint

Product code : 92-8M0094987, 92-8M0133999

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

Main use category : Industrial use,Professional use,Consumer use

Specific end use(s) : Spraying paint (spray can)

1.3. Details of the supplier of the safety data sheet

Company : Brunswick Marine EMEA
Parc industriel de Petit-Rechain, Avenue Mercury 8
4800 Verviers , Belgium
Telephone +32 (0)87 32 32 11
E-mail: bme.compliance@brunswick.com

1.4. Emergency telephone number

Emergency telephone : 0032 3 575 55 55

Ireland
National Poisons Information Centre
Beaumont Hospital +353 1 809 21 66 (public, 8am - 10pm, 7/7)
+353 01 809 2566 (Professionals, 24/7)

United Kingdom
National Poisons Information Service
(Newcastle Centre) 0844 892 0111 (UK only, 24/7, healthcare professionals only)
Regional Drugs and Therapeutics Centre,
Wolfson Unit

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification according to Regulation (EU) 1272/2008

CLP-Classification : The product is classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

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

Full text of H-statements: see section 16

2.1.2. Classification according to EU Directives 67/548/EEC or 1999/45/EC

Classification : This mixture is classified as hazardous according to 1999/45/EC.

Xi; R36
R66
R67

Full text of R-phrases: see section 16

2.2. Label elements

2.2.1. Labelling according to Regulation (EU) 1272/2008

Hazard pictograms (CLP) :

GHS02 GHS07

Signal word : Danger
Contains : acetone; propan-2-one; propanone
Hazard statements (CLP) : H222 - Extremely flammable aerosol.
H229 - Pressurised container: May burst if heated.
H319 - Causes serious eye irritation.
H336 - May cause drowsiness or dizziness.
Precautionary statements (CLP) : P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
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.
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 - Dispose of contents/container to .
Extra phrases : EUH066 - Repeated exposure may cause skin dryness or cracking.

2.2.2. Labelling according to Directives (67/548 - 1999/45)

Not relevant

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. Substances

Not applicable

3.2. Mixtures

Substance name	Product identifier	%	Classification according to Directive 67/548/EEC
acetone; propan-2-one; propanone	(CAS-No.) 67-64-1 (EC-No.) 200-662-2 (EC Index) 606-001-00-8	35 - 40	F; R11 Xi; R36 R67 R66
propane	(CAS-No.) 74-98-6 (EC-No.) 200-827-9 (EC Index) 601-003-00-5	15 - 20	F+; R12
xylene	(CAS-No.) 1330-20-7 (EC-No.) 215-535-7 (EC Index) 601-022-00-9	5 - 10	R10 Xn; R20/21 Xi; R38
butane	(CAS-No.) 106-97-8 (EC-No.) 203-448-7 (EC Index) 601-004-00-0	5 - 10	F+; R12
2-methoxy-1-methylethyl acetate	(CAS-No.) 108-65-6 (EC-No.) 203-603-9 (EC Index) 607-195-00-7	2 - 6	R10
ethylbenzene	(CAS-No.) 100-41-4 (EC-No.) 202-849-4 (EC Index) 601-023-00-4	1 - 3	F; R11 Xn; R20 Xn; R65 Xn; R48/20

Substance name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
acetone; propan-2-one; propanone	(CAS-No.) 67-64-1 (EC-No.) 200-662-2 (EC Index) 606-001-00-8	35 - 40	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
propane	(CAS-No.) 74-98-6 (EC-No.) 200-827-9 (EC Index) 601-003-00-5	15 - 20	Flam. Gas 1, H220 Press. Gas (Liq.), H280
xylene	(CAS-No.) 1330-20-7 (EC-No.) 215-535-7 (EC Index) 601-022-00-9	5 - 10	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:vapour), H332 Skin Irrit. 2, H315 STOT SE 3, H335 STOT RE 2, H373 Aquatic Acute 1, H400
butane	(CAS-No.) 106-97-8 (EC-No.) 203-448-7 (EC Index) 601-004-00-0	5 - 10	Flam. Gas 1, H220 Press. Gas (Liq.), H280
2-methoxy-1-methylethyl acetate	(CAS-No.) 108-65-6 (EC-No.) 203-603-9 (EC Index) 607-195-00-7	2 - 6	Flam. Liq. 3, H226
ethylbenzene	(CAS-No.) 100-41-4 (EC-No.) 202-849-4 (EC Index) 601-023-00-4	1 - 3	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 STOT RE 2, H373 Asp. Tox. 1, H304

Full text of R- and H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

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

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

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

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
In case of doubt or persistent symptoms, consult always a physician
Show this safety data sheet to the doctor in attendance.
Treat symptomatically.

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

Inhalation : May cause drowsiness or dizziness. The following symptoms may occur: Irritation.

Skin contact : The following symptoms may occur: Repeated exposure may cause skin dryness or cracking.

Eyes contact : Causes serious eye irritation. The following symptoms may occur: erythema (redness).

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

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 : Water spray, alcohol resistant foam, Dry extinguishing powder, Carbon dioxide Water spray, Alcohol resistant foam, dry extinguishing powder, Carbon dioxide

For safety reasons unsuitable extinguishing agents : Strong water jet

5.2. Special hazards arising from the substance or mixture

Fire hazard : Extremely flammable aerosol.

Specific hazards : Ignition risk
Vapours are heavier than air and may spread along floors
Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours
Aerosol cans may rupture and become projectiles.
In use, may form flammable/explosive vapour-air mixture.
Do not spray on a naked flame or any incandescent material
On heating there is a risk of a build-up of pressure in hermetically sealed containers or tanks
Hazardous combustion products Carbon oxides

5.3. Advice for firefighters

Advice for firefighters : Special protective equipment for firefighters.
In case of fire: Wear self-contained breathing apparatus.
Use water spray or fog for cooling exposed containers
Do not allow run-off from fire-fighting to enter drains or water courses.
Dispose of waste in accordance with environmental legislation
Evacuate personnel to a safe area

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : Evacuate personnel to a safe area
Stay upwind/keep distance from source.
Provide adequate ventilation
Use personal protective equipment as required.
Concerning personal protective equipment to use, see section 8
Do not breathe vapour/aerosol
Avoid contact with skin, eyes and clothing
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Use explosion-proof machinery, apparatus, ventilation facilities, tools etc.
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

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 evaporate and disperse
Clean-up methods - small spillage: Take up liquid spill into absorbent material, e.g.: sand, earth, vermiculite or powdered limestone, Collect in closed and suitable containers for disposal.

Dispose of waste product or used containers according to local regulations.

6.4. Reference to other sections

Concerning personal protective equipment to use, see section 8
Concerning disposal elimination after cleaning, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling : Provide adequate ventilation
Use personal protective equipment as required.
Concerning personal protective equipment to use, see section 8
Do not breathe vapour/aerosol
Avoid contact with skin, eyes and clothing
Take any precaution to avoid mixing with incompatible materials.
See also section 10
Ensure proper process control to avoid excess waste discharge (temperature, concentration, pH, time).
Do not allow contact with soil, surface or ground water.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Pressurised container. May burst if heated.

Advices on general occupational hygiene : Keep good industrial hygiene
Wash hands before breaks and immediately after using the product.
When using do not eat, drink or smoke.
Keep away from food, drink and animal feedingstuffs
Keep work clothes separately.
Take off contaminated clothing.
Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage : Flammable aerosols
Keep 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.
Protect from sunlight.
Remove all sources of ignition
Keep at temperature not exceeding 50

Packaging materials : Keep/Store only in original container.

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values :

acetone; propan-2-one; propanone (67-64-1)		
EU	IOELV TWA (mg/m³)	1210 mg/m³ (Directive 2000/39/EC)
EU	IOELV TWA (ppm)	500 ppm (Directive 2000/39/EC)
Austria	MAK (mg/m³)	1200 mg/m³
Austria	MAK (ppm)	500 ppm
Austria	MAK Short time value (mg/m³)	4800 mg/m³
Austria	MAK Short time value (ppm)	2000 ppm

acetone; propan-2-one; propanone (67-64-1)		
Belgium	Limit value (mg/m³)	1210 mg/m³
Belgium	Limit value (ppm)	500 ppm
Belgium	Short time value (mg/m³)	2420 mg/m³
Belgium	Short time value	1000 ppm
Bulgaria	OEL TWA (mg/m³)	600 mg/m³
Bulgaria	OEL STEL (mg/m³)	1400 mg/m³
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	1210 mg/m³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	500 ppm
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m³)	3620 mg/m³
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	1500 ppm
Cyprus	OEL TWA (mg/m³)	1210 mg/m³
Cyprus	OEL TWA (ppm)	500 ppm
France	VLE (mg/m³)	2420 mg/m³ (restrictive limit)
France	VLE (ppm)	1000 ppm (restrictive limit)
France	VME (mg/m³)	1210 mg/m³ (restrictive limit)
France	VME (ppm)	500 ppm (restrictive limit)
Germany	TRGS 900 Occupational exposure limit value (mg/m³)	1200 mg/m³ (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)	500 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	TRGS 903 Biological limit value	80 mg/l Parameter: Acetone - Medium: urine - Sampling time: end of shift
Gibraltar	8h mg/m3	1210 mg/m³
Gibraltar	8h ppm	500 ppm
Greece	OEL TWA (mg/m³)	1780 mg/m³
Greece	OEL STEL (mg/m³)	3560 mg/m³
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	250 ppm
Italy - Portugal - USA ACGIH	ACGIH STEL (ppm)	500 ppm
Italy	OEL TWA (mg/m³)	1210 mg/m³
Italy	OEL TWA (ppm)	500 ppm
Latvia	OEL TWA (mg/m³)	1210 mg/m³
Latvia	OEL TWA (ppm)	500 ppm
Spain	VLA-ED (mg/m³)	1210 mg/m³ (indicative limit value)
Spain	VLA-ED (ppm)	500 ppm (indicative limit value)
Switzerland	KZGW (mg/m³)	2400 mg/m³
Switzerland	KZGW (ppm)	1000 ppm
Switzerland	MAK (mg/m³)	1200 mg/m³
Switzerland	MAK (ppm)	500 ppm
Netherlands	Grenswaarde TGG 8H (mg/m³)	1210 mg/m³
Netherlands	Grenswaarde TGG 15MIN (mg/m³)	2420 mg/m³
United Kingdom	WEL TWA (mg/m³)	1210 mg/m³
United Kingdom	WEL TWA (ppm)	500 ppm
United Kingdom	WEL STEL (mg/m³)	3620 mg/m³

acetone; propan-2-one; propanone (67-64-1)		
United Kingdom	WEL STEL (ppm)	1500 ppm
Czech Republic	Expoziční limity (PEL) (mg/m³)	800 mg/m³
Denmark	Grænseværdie (langvarig) (mg/m³)	600 mg/m³
Denmark	Grænseværdie (langvarig) (ppm)	250 ppm
Finland	HTP-arvo (8h) (mg/m³)	1200 mg/m³
Finland	HTP-arvo (8h) (ppm)	500 ppm
Finland	HTP-arvo (15 min)	1500 mg/m³
Finland	HTP-arvo (15 min) (ppm)	630 ppm
Hungary	AK-érték	1210 mg/m³
Hungary	CK-érték	2420 mg/m³ (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/m³)	1210 mg/m³
Ireland	OEL (8 hours ref) (ppm)	500 ppm
Ireland	OEL (15 min ref) (mg/m3)	3630 mg/m³ (calculated)
Ireland	OEL (15 min ref) (ppm)	1500 ppm (calculated)
Lithuania	IPRV (mg/m³)	1210 mg/m³
Lithuania	IPRV (ppm)	500 ppm
Lithuania	TPRV (mg/m³)	2420 mg/m³
Lithuania	TPRV (ppm)	1000 ppm
Malta	OEL TWA (mg/m³)	1210 mg/m³
Malta	OEL TWA (ppm)	500 ppm
Norway	Grenseverdier (AN) (mg/m³)	295 mg/m³ (Referanser (lover/forskrifter): FOR-2011-12-06 nr 1358 Forskrift om tiltaks-og grenseverdier (sist endret gjennom FOR-2O16-12-22 nr 1860)).
Norway	Grenseverdier (AN) (ppm)	125 ppm (Referanser (lover/forskrifter): FOR-2011-12-06 nr 1358 Forskrift om tiltaks-og grenseverdier (sist endret gjennom FOR-2O16-12-22 nr 1860)).
Norway	Grenseverdier (Korttidsverdi) (mg/m3)	368,75 mg/m³ (value calculated)
Norway	Grenseverdier (Korttidsverdi) (ppm)	156,25 ppm (value calculated)
Poland	NDS (mg/m³)	600 mg/m³
Poland	NDSCh (mg/m³)	1800 mg/m³
Romania	OEL TWA (mg/m³)	1210 mg/m³
Romania	OEL TWA (ppm)	500 ppm
Slovakia	NPHV (priemerná) (mg/m³)	1210 mg/m³
Slovakia	NPHV (priemerná) (ppm)	500 ppm
Sweden	nivågränsvärde (NVG) (mg/m³)	600 mg/m³
Sweden	nivågränsvärde (NVG) (ppm)	250 ppm
Sweden	kortidsvärde (KTV) (mg/m³)	1200 mg/m³
Sweden	kortidsvärde (KTV) (ppm)	500 ppm

propane (74-98-6)		
Austria	MAK (mg/m³)	1800 mg/m³
Austria	MAK (ppm)	1000 ppm
Austria	MAK Short time value (mg/m³)	3600 mg/m³

propane (74-98-6)		
Austria	MAK Short time value (ppm)	2000 ppm
Belgium	Limit value (ppm)	1000 ppm (gas)
Bulgaria	OEL TWA (mg/m³)	1800 mg/m³
Germany	TRGS 900 Occupational exposure limit value (mg/m³)	1800 mg/m³
Germany	TRGS 900 Occupational exposure limit value (ppm)	1000 ppm
Greece	OEL TWA (mg/m³)	1800 mg/m³
Greece	OEL TWA (ppm)	1000 ppm
Latvia	OEL TWA (mg/m³)	1800 mg/m³
Latvia	OEL TWA (ppm)	1000 ppm
Switzerland	KZGW (mg/m³)	7200 mg/m³
Switzerland	KZGW (ppm)	4000 ppm
Switzerland	MAK (mg/m³)	1800 mg/m³
Switzerland	MAK (ppm)	1000 ppm
Denmark	Grænseværdie (langvarig) (mg/m³)	1800 mg/m³
Denmark	Grænseværdie (langvarig) (ppm)	1000 ppm
Finland	HTP-arvo (8h) (mg/m³)	1500 mg/m³
Finland	HTP-arvo (8h) (ppm)	800 ppm
Finland	HTP-arvo (15 min)	2000 mg/m³
Finland	HTP-arvo (15 min) (ppm)	1100 ppm
Ireland	OEL (15 min ref) (ppm)	3000 ppm (calculated)
Norway	Grenseverdier (AN) (mg/m³)	900 mg/m³ (Referanser (lover/forskrifter): FOR-2011-12-06 nr 1358 Forskrift om tiltaks-og grenseverdier (sist endret gjennom FOR-2O16-12-22 nr 1860)).
Norway	Grenseverdier (AN) (ppm)	500 ppm (Referanser (lover/forskrifter): FOR-2011-12-06 nr 1358 Forskrift om tiltaks-og grenseverdier (sist endret gjennom FOR-2O16-12-22 nr 1860)).
Norway	Grenseverdier (Korttidsverdi) (mg/m3)	1125 mg/m³ (value calculated)
Norway	Grenseverdier (Korttidsverdi) (ppm)	625 ppm (value calculated)
Poland	NDS (mg/m³)	1800 mg/m³
Romania	OEL TWA (mg/m³)	1400 mg/m³
Romania	OEL TWA (ppm)	778 ppm
Romania	OEL STEL (mg/m³)	1800 mg/m³
Romania	OEL STEL (ppm)	1000 ppm

xylene (1330-20-7)		
EU	IOELV TWA (mg/m³)	221 mg/m³ (pure)
EU	IOELV TWA (ppm)	50 ppm (pure)
EU	IOELV STEL (mg/m³)	442 mg/m³ (pure)
EU	IOELV STEL (ppm)	100 ppm (pure)
EU	Notes	Possibility of significant uptake through the skin (pure)
Austria	MAK (mg/m³)	221 mg/m³ (all isomers)
Austria	MAK (ppm)	50 ppm (all isomers)
Austria	MAK Short time value (mg/m³)	442 mg/m³
Austria	MAK Short time value (ppm)	100 ppm
Belgium	Limit value (mg/m³)	221 mg/m³

xylene (1330-20-7)		
Belgium	Limit value (ppm)	50 ppm
Belgium	Short time value (mg/m³)	442 mg/m³
Belgium	Short time value	100 ppm
Bulgaria	OEL TWA (mg/m³)	221 mg/m³ (pure)
Bulgaria	OEL TWA (ppm)	50 ppm (pure)
Bulgaria	OEL STEL (mg/m³)	442 mg/m³ (pure)
Bulgaria	OEL STEL (ppm)	100 ppm (pure)
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	221 mg/m³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	50 ppm
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m³)	442 mg/m³
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	100 ppm
Cyprus	OEL TWA (mg/m³)	221 mg/m³
Cyprus	OEL TWA (ppm)	50 ppm
Cyprus	OEL STEL (mg/m³)	442 mg/m³
Cyprus	OEL STEL (ppm)	100 ppm
France	VLE (mg/m³)	442 mg/m³ (restrictive limit)
France	VLE (ppm)	100 ppm (restrictive limit)
France	VME (mg/m³)	221 mg/m³ (restrictive limit)
France	VME (ppm)	50 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 Biological limit value	2000 mg/l Parameter: Methylhippuric(tolur-)acid - Medium: urine - Sampling time: end of shift (all isomers)
Gibraltar	8h mg/m3	221 mg/m³ (pure)
Gibraltar	8h ppm	50 ppm (pure)
Gibraltar	Short-term mg/m3	442 mg/m³ (pure)
Gibraltar	Short-term 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
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	100 ppm
Italy - Portugal - USA ACGIH	ACGIH STEL (ppm)	150 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
Spain	VLA-ED (mg/m³)	221 mg/m³ (indicative limit value)
Spain	VLA-ED (ppm)	50 ppm (indicative limit value)
Spain	VLA-EC (mg/m³)	442 mg/m³

xylene (1330-20-7)		
Spain	VLA-EC (ppm)	100 ppm
Switzerland	KZGW (mg/m³)	870 mg/m³
Switzerland	KZGW (ppm)	200 ppm
Switzerland	MAK (mg/m³)	435 mg/m³
Switzerland	MAK (ppm)	100 ppm
Netherlands	Grenswaarde TGG 8H (mg/m³)	210 mg/m³
Netherlands	Grenswaarde TGG 15MIN (mg/m³)	442 mg/m³
United Kingdom	WEL TWA (mg/m³)	220 mg/m³
United Kingdom	WEL TWA (ppm)	50 ppm
United Kingdom	WEL STEL (mg/m³)	441 mg/m³
United Kingdom	WEL STEL (ppm)	100 ppm
Czech Republic	Expoziční limity (PEL) (mg/m³)	200 mg/m³
Denmark	Grænseværdie (langvarig) (mg/m³)	109 mg/m³
Denmark	Grænseværdie (langvarig) (ppm)	25 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
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
Lithuania	IPRV (mg/m³)	200 mg/m³
Lithuania	IPRV (ppm)	50 ppm
Lithuania	TPRV (mg/m³)	450 mg/m³
Lithuania	TPRV (ppm)	100 ppm
Malta	OEL TWA (mg/m³)	221 mg/m³ (pure)
Malta	OEL TWA (ppm)	50 ppm (pure)
Malta	OEL STEL (mg/m³)	442 mg/m³ (pure)
Malta	OEL STEL (ppm)	100 ppm (pure)
Norway	Grenseverdier (AN) (mg/m³)	108 mg/m³
Norway	Grenseverdier (AN) (ppm)	25 ppm
Norway	Grenseverdier (Korttidsverdi) (mg/m3)	135 mg/m³ (value calculated)
Norway	Grenseverdier (Korttidsverdi) (ppm)	37,5 ppm (value calculated)
Poland	NDS (mg/m³)	100 mg/m³ (mixture of isomers)
Poland	NDSCh (mg/m³)	200 mg/m³ (mixture of isomers)
Romania	OEL TWA (mg/m³)	221 mg/m³ (pure)
Romania	OEL TWA (ppm)	50 ppm (pure)
Romania	OEL STEL (mg/m³)	442 mg/m³ (pure)
Romania	OEL STEL (ppm)	100 ppm (pure)
Slovakia	NPHV (priemerná) (mg/m³)	221 mg/m³
Slovakia	NPHV (priemerná) (ppm)	50 ppm
Slovakia	NPHV (Hraničná) (mg/m³)	442 mg/m³
Sweden	nivågränsvärde (NVG) (mg/m³)	221 mg/m³
Sweden	nivågränsvärde (NVG) (ppm)	50 ppm
Sweden	kortidsvärde (KTV) (mg/m³)	442 mg/m³

xylene (1330-20-7)		
Sweden	kortidsvärde (KTV) (ppm)	100 ppm

butane (106-97-8)		
Austria	MAK (mg/m³)	1900 mg/m³
Austria	MAK (ppm)	800 ppm
Austria	MAK Short time value (mg/m³)	3800 mg/m³
Austria	MAK Short time value (ppm)	1600 ppm
Belgium	Limit value (ppm)	1000 ppm (gas)
Bulgaria	OEL TWA (mg/m³)	1900 mg/m³
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	1450 mg/m³ 22 mg/m³ (containing >=0.1% 1,3-Butadiene)
Croatia	GVI (granična vrijednost izloženosti) (ppm)	600 ppm 10 ppm (containing >=0.1% 1,3-Butadiene)
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m³)	1810 mg/m³
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	750 ppm
France	VME (mg/m³)	1900 mg/m³
France	VME (ppm)	800 ppm
Germany	TRGS 900 Occupational exposure limit value (mg/m³)	2400 mg/m³
Germany	TRGS 900 Occupational exposure limit value (ppm)	1000 ppm
Greece	OEL TWA (mg/m³)	2350 mg/m³
Greece	OEL TWA (ppm)	1000 ppm
Italy - Portugal - USA ACGIH	ACGIH STEL (ppm)	1000 ppm (explosion hazard)
Latvia	OEL TWA (mg/m³)	300 mg/m³
Switzerland	KZGW (mg/m³)	7600 mg/m³
Switzerland	KZGW (ppm)	3200 ppm
Switzerland	MAK (mg/m³)	1900 mg/m³
Switzerland	MAK (ppm)	800 ppm
United Kingdom	WEL TWA (mg/m³)	1450 mg/m³
United Kingdom	WEL TWA (ppm)	600 ppm
United Kingdom	WEL STEL (mg/m³)	1810 mg/m³
United Kingdom	WEL STEL (ppm)	750 ppm
Denmark	Grænseværdie (langvarig) (mg/m³)	1200 mg/m³
Denmark	Grænseværdie (langvarig) (ppm)	500 ppm
Finland	HTP-arvo (8h) (mg/m³)	1900 mg/m³
Finland	HTP-arvo (8h) (ppm)	800 ppm
Finland	HTP-arvo (15 min)	2400 mg/m³
Finland	HTP-arvo (15 min) (ppm)	1000 ppm
Hungary	AK-érték	2350 mg/m³
Hungary	CK-érték	9400 mg/m³
Ireland	OEL (8 hours ref) (ppm)	1000 ppm
Ireland	OEL (15 min ref) (ppm)	3000 ppm (calculated)
Norway	Grenseverdier (AN) (mg/m³)	600 mg/m³
Norway	Grenseverdier (AN) (ppm)	250 ppm

butane (106-97-8)		
Norway	Grenseverdier (Korttidsverdi) (mg/m3)	750 mg/m³ (value calculated)
Norway	Grenseverdier (Korttidsverdi) (ppm)	312,5 ppm (value calculated)
Poland	NDS (mg/m³)	1900 mg/m³
Poland	NDSCh (mg/m³)	3000 mg/m³

2-methoxy-1-methylethyl acetate (108-65-6)		
EU	IOELV TWA (mg/m³)	275 mg/m³
EU	IOELV TWA (ppm)	50 ppm
EU	IOELV STEL (mg/m³)	550 mg/m³
EU	IOELV STEL (ppm)	100 ppm
EU	Notes	Possibility of significant uptake through the skin
Austria	MAK (mg/m³)	275 mg/m³
Austria	MAK (ppm)	50 ppm
Austria	MAK Short time value (mg/m³)	550 mg/m³
Austria	MAK Short time value (ppm)	100 ppm
Belgium	Limit value (mg/m³)	275 mg/m³
Belgium	Limit value (ppm)	50 ppm
Belgium	Short time value (mg/m³)	550 mg/m³
Belgium	Short time value	100 ppm
Bulgaria	OEL TWA (mg/m³)	275 mg/m³
Bulgaria	OEL TWA (ppm)	50 ppm
Bulgaria	OEL STEL (mg/m³)	550 mg/m³
Bulgaria	OEL STEL (ppm)	100 ppm
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	275 mg/m³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	50 ppm
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m³)	550 mg/m³
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	100 ppm
Cyprus	OEL TWA (mg/m³)	275 mg/m³
Cyprus	OEL TWA (ppm)	50 ppm
Cyprus	OEL STEL (mg/m³)	550 mg/m³
Cyprus	OEL STEL (ppm)	100 ppm
France	VLE (mg/m³)	550 mg/m³ (restrictive limit)
France	VLE (ppm)	100 ppm (restrictive limit)
France	VME (mg/m³)	275 mg/m³ (restrictive limit)
France	VME (ppm)	50 ppm (restrictive limit)
Germany	TRGS 900 Occupational exposure limit value (mg/m³)	270 mg/m³ (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)
Gibraltar	8h mg/m3	275 mg/m³
Gibraltar	8h ppm	50 ppm
Gibraltar	Short-term mg/m3	550 mg/m³
Gibraltar	Short-term ppm	100 ppm
Greece	OEL TWA (mg/m³)	275 mg/m³

2-methoxy-1-methylethyl acetate (108-65-6)		
Greece	OEL TWA (ppm)	50 ppm
Greece	OEL STEL (mg/m³)	550 mg/m³
Greece	OEL STEL (ppm)	100 ppm
Italy	OEL TWA (mg/m³)	275 mg/m³
Italy	OEL TWA (ppm)	50 ppm
Italy	OEL STEL (mg/m³)	550 mg/m³
Italy	OEL STEL (ppm)	100 ppm
Latvia	OEL TWA (mg/m³)	275 mg/m³
Latvia	OEL TWA (ppm)	50 ppm
Spain	VLA-ED (mg/m³)	275 mg/m³ (indicative limit value)
Spain	VLA-ED (ppm)	50 ppm (indicative limit value)
Spain	VLA-EC (mg/m³)	550 mg/m³
Spain	VLA-EC (ppm)	100 ppm
Switzerland	KZGW (mg/m³)	275 mg/m³
Switzerland	KZGW (ppm)	50 ppm
Switzerland	MAK (mg/m³)	275 mg/m³
Switzerland	MAK (ppm)	50 ppm
Netherlands	Grenswaarde TGG 8H (mg/m³)	550 mg/m³
United Kingdom	WEL TWA (mg/m³)	274 mg/m³
United Kingdom	WEL TWA (ppm)	50 ppm
United Kingdom	WEL STEL (mg/m³)	548 mg/m³
United Kingdom	WEL STEL (ppm)	100 ppm
Czech Republic	Expoziční limity (PEL) (mg/m³)	270 mg/m³
Denmark	Grænseværdie (langvarig) (mg/m³)	275 mg/m³
Denmark	Grænseværdie (langvarig) (ppm)	50 ppm
Finland	HTP-arvo (8h) (mg/m³)	270 mg/m³
Finland	HTP-arvo (8h) (ppm)	50 ppm
Finland	HTP-arvo (15 min)	550 mg/m³
Finland	HTP-arvo (15 min) (ppm)	100 ppm
Hungary	AK-érték	275 mg/m³
Hungary	CK-érték	550 mg/m³
Ireland	OEL (8 hours ref) (mg/m³)	275 mg/m³
Ireland	OEL (8 hours ref) (ppm)	50 ppm
Ireland	OEL (15 min ref) (mg/m3)	550 mg/m³
Ireland	OEL (15 min ref) (ppm)	100 ppm
Lithuania	IPRV (mg/m³)	250 mg/m³
Lithuania	IPRV (ppm)	50 ppm
Lithuania	TPRV (mg/m³)	400 mg/m³
Lithuania	TPRV (ppm)	75 ppm
Malta	OEL TWA (mg/m³)	275 mg/m³
Malta	OEL TWA (ppm)	50 ppm
Malta	OEL STEL (mg/m³)	550 mg/m³
Malta	OEL STEL (ppm)	100 ppm
Norway	Grenseverdier (AN) (mg/m³)	270 mg/m³
Norway	Grenseverdier (AN) (ppm)	50 ppm
Norway	Grenseverdier (Korttidsverdi) (mg/m3)	337,5 mg/m³ (value calculated)
Norway	Grenseverdier (Korttidsverdi) (ppm)	75 ppm (value calculated)
Poland	NDS (mg/m³)	260 mg/m³

2-methoxy-1-methylethyl acetate (108-65-6)		
Poland	NDSCh (mg/m³)	520 mg/m³
Romania	OEL TWA (mg/m³)	275 mg/m³
Romania	OEL TWA (ppm)	50 ppm
Romania	OEL STEL (mg/m³)	550 mg/m³
Romania	OEL STEL (ppm)	100 ppm
Slovakia	NPHV (priemerná) (mg/m³)	275 mg/m³
Slovakia	NPHV (priemerná) (ppm)	50 ppm
Slovakia	NPHV (Hraničná) (mg/m³)	550 mg/m³
Sweden	nivågränsvärde (NVG) (mg/m³)	275 mg/m³
Sweden	nivågränsvärde (NVG) (ppm)	50 ppm
Sweden	kortidsvärde (KTV) (mg/m³)	550 mg/m³
Sweden	kortidsvärde (KTV) (ppm)	100 ppm

ethylbenzene (100-41-4)		
EU	IOELV TWA (mg/m³)	442 mg/m³
EU	IOELV TWA (ppm)	100 ppm
EU	IOELV STEL (mg/m³)	884 mg/m³
EU	IOELV STEL (ppm)	200 ppm
EU	Notes	Possibility of significant uptake through the skin
Austria	MAK (mg/m³)	440 mg/m³
Austria	MAK (ppm)	100 ppm
Austria	MAK Short time value (mg/m³)	880 mg/m³
Austria	MAK Short time value (ppm)	200 ppm
Belgium	Limit value (mg/m³)	442 mg/m³
Belgium	Limit value (ppm)	100 ppm
Belgium	Short time value (mg/m³)	551 mg/m³
Belgium	Short time value	125 ppm
Bulgaria	OEL TWA (mg/m³)	435 mg/m³
Bulgaria	OEL STEL (mg/m³)	545 mg/m³
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	442 mg/m³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	100 ppm
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m³)	884 mg/m³
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	200 ppm
Cyprus	OEL TWA (mg/m³)	442 mg/m³
Cyprus	OEL TWA (ppm)	100 ppm
Cyprus	OEL STEL (mg/m³)	884 mg/m³
Cyprus	OEL STEL (ppm)	200 ppm
France	VLE (mg/m³)	442 mg/m³ (restrictive limit)
France	VLE (ppm)	100 ppm (restrictive limit)
France	VME (mg/m³)	88,4 mg/m³ (restrictive limit)
France	VME (ppm)	20 ppm (restrictive limit)
Germany	TRGS 900 Occupational exposure limit value (mg/m³)	88 mg/m³ (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)

ethylbenzene (100-41-4)		
Germany	TRGS 900 Occupational exposure limit value (ppm)	20 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	TRGS 903 Biological limit value	250 mg/g Parameter: Mandelic acid plus Phenylglyoxylic acid; measured as mg/g Creatinine - Medium: urine - Sampling time: end of shift
Gibraltar	8h mg/m3	442 mg/m³
Gibraltar	8h ppm	100 ppm
Gibraltar	Short-term mg/m3	884 mg/m³
Gibraltar	Short-term ppm	200 ppm
Greece	OEL TWA (mg/m³)	435 mg/m³
Greece	OEL TWA (ppm)	100 ppm
Greece	OEL STEL (mg/m³)	545 mg/m³
Greece	OEL STEL (ppm)	125 ppm
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	20 ppm
Italy	OEL TWA (mg/m³)	442 mg/m³
Italy	OEL TWA (ppm)	100 ppm
Italy	OEL STEL (mg/m³)	884 mg/m³
Italy	OEL STEL (ppm)	200 ppm
Latvia	OEL TWA (mg/m³)	442 mg/m³
Latvia	OEL TWA (ppm)	100 ppm
Spain	VLA-ED (mg/m³)	441 mg/m³ (indicative limit value)
Spain	VLA-ED (ppm)	100 ppm (indicative limit value)
Spain	VLA-EC (mg/m³)	884 mg/m³
Spain	VLA-EC (ppm)	200 ppm
Switzerland	KZGW (mg/m³)	220 mg/m³
Switzerland	KZGW (ppm)	50 ppm
Switzerland	MAK (mg/m³)	220 mg/m³
Switzerland	MAK (ppm)	50 ppm
Netherlands	Grenswaarde TGG 8H (mg/m³)	215 mg/m³
Netherlands	Grenswaarde TGG 15MIN (mg/m³)	430 mg/m³
United Kingdom	WEL TWA (mg/m³)	441 mg/m³
United Kingdom	WEL TWA (ppm)	100 ppm
United Kingdom	WEL STEL (mg/m³)	552 mg/m³
United Kingdom	WEL STEL (ppm)	125 ppm
Czech Republic	Expoziční limity (PEL) (mg/m³)	200 mg/m³
Denmark	Grænseværdie (langvarig) (mg/m³)	217 mg/m³
Denmark	Grænseværdie (langvarig) (ppm)	50 ppm
Finland	HTP-arvo (8h) (mg/m³)	220 mg/m³
Finland	HTP-arvo (8h) (ppm)	50 ppm
Finland	HTP-arvo (15 min)	880 mg/m³
Finland	HTP-arvo (15 min) (ppm)	200 ppm
Hungary	AK-érték	442 mg/m³
Hungary	CK-érték	884 mg/m³
Ireland	OEL (8 hours ref) (mg/m³)	442 mg/m³
Ireland	OEL (8 hours ref) (ppm)	100 ppm
Ireland	OEL (15 min ref) (mg/m3)	884 mg/m³

ethylbenzene (100-41-4)		
Ireland	OEL (15 min ref) (ppm)	200 ppm
Lithuania	IPRV (mg/m³)	442 mg/m³
Lithuania	IPRV (ppm)	100 ppm
Lithuania	TPRV (mg/m³)	884 mg/m³
Lithuania	TPRV (ppm)	200 ppm
Malta	OEL TWA (mg/m³)	442 mg/m³
Malta	OEL TWA (ppm)	100 ppm
Malta	OEL STEL (mg/m³)	884 mg/m³
Malta	OEL STEL (ppm)	200 ppm
Norway	Grenseverdier (AN) (mg/m³)	20 mg/m³
Norway	Grenseverdier (AN) (ppm)	5 ppm
Norway	Grenseverdier (Korttidsverdi) (mg/m3)	30 mg/m³ (value calculated)
Norway	Grenseverdier (Korttidsverdi) (ppm)	10 ppm (value calculated)
Poland	NDS (mg/m³)	200 mg/m³
Poland	NDSCh (mg/m³)	400 mg/m³
Romania	OEL TWA (mg/m³)	442 mg/m³
Romania	OEL TWA (ppm)	100 ppm
Romania	OEL STEL (mg/m³)	884 mg/m³
Romania	OEL STEL (ppm)	200 ppm
Slovakia	NPHV (priemerná) (mg/m³)	442 mg/m³
Slovakia	NPHV (priemerná) (ppm)	100 ppm
Slovakia	NPHV (Hraničná) (mg/m³)	884 mg/m³
Sweden	nivågränsvärde (NVG) (mg/m³)	220 mg/m³
Sweden	nivågränsvärde (NVG) (ppm)	50 ppm
Sweden	kortidsvärde (KTV) (mg/m³)	884 mg/m³
Sweden	kortidsvärde (KTV) (ppm)	200 ppm

Monitoring methods : Personal air monitoring
Room air monitoring

8.2. Exposure controls

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

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
Half-face mask (EN 140)
Full face mask (EN 136)
Filter type: ABEK + P
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. (EN 137)

Hand protection : Wear chemically resistant gloves (tested to EN374) ,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.

Thermal hazard protection : Not required for normal conditions of use
Use dedicated equipment.

Engineering measure(s)	:	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. Store locked up. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges
Environmental exposure controls	:	Do not allow contact with soil, surface or ground water. Comply with applicable Community environmental protection legislation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	:	aerosol
Colour	:	Black
Odour	:	No data available
Odour threshold	:	No data available
pH	:	No data available
Melting / freezing point	:	No data available
Initial boiling point and boiling range	:	-17 - 150 °C
Flash point	:	< 31,67 °C
Evaporation rate	:	7,7 (n-butyl acetate = 1)
Flammability (solid, gas)	:	Extremely flammable aerosol.
Upper / lower flammability or explosive limits	:	0,8 - 13,1 %
Vapour pressure	:	5585,2 mmHg (20 °C)
Vapour density	:	3,7
Relative density	:	No data available
Water solubility	:	No data available
Solubility in different media	:	No data available
Partition coefficient n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity	:	No data available
Explosive properties	:	Not applicable The study does not need to be conducted because there are no chemical groups associated with explosive properties present in the molecule.
Oxidising properties	:	Not applicable The classification procedure needs not to be applied because there are no chemical groups present in the molecule which are associated with oxidising properties.

9.2. Other information

VOC content	:	89,54 %

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity : Extremely flammable aerosol.
Reference to other sections: 10.4 & 10.5

10.2. Chemical stability

Chemical stability : The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions : Will ignite if exposed to intensive heat and air
Extreme risk of explosion by shock, friction, fire or other sources of ignition

10.4. Conditions to avoid

Conditions to avoid : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Avoid temperature above 50
Safe handling: see section 7

10.5. Incompatible materials

Incompatible materials : oxidising substances, Safe handling: see section 7

10.6. Hazardous decomposition products

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.)

acetone; propan-2-one; propanone (67-64-1)	
LD50/oral/rat	5800 mg/kg
LD50/dermal/rat	> 10000 mg/kg
LD50/dermal/rabbit	> 15700 mg/kg
LC50/inhalation/4h/rat	50100 mg/m³ (Exposure time: 8 h)
ATE CLP (oral)	5800 mg/kg bodyweight

propane (74-98-6)	
LC50/inhalation/4h/rat (ppm)	> 800000 ppm (Exposure time: 15 min)
ATE CLP (vapours)	658 mg/l/4h
ATE CLP (dust,mist)	658 mg/l/4h

xylene (1330-20-7)	
LD50/oral/rat	3500 mg/kg
ATE CLP (oral)	3500 mg/kg bodyweight
ATE CLP (dermal)	1100 mg/kg bodyweight
ATE CLP (gases)	4500 ppmv/4h
ATE CLP (vapours)	11 mg/l/4h
ATE CLP (dust,mist)	1,5 mg/l/4h

butane (106-97-8)	
LC50/inhalation/4h/rat	658 g/m³ (Exposure time: 4 h)
ATE CLP (vapours)	658 mg/l/4h
ATE CLP (dust,mist)	658 mg/l/4h

2-methoxy-1-methylethyl acetate (108-65-6)	
LD50/oral/rat	8532 mg/kg
LD50/dermal/rabbit	> 5 g/kg
ATE CLP (oral)	8532 mg/kg bodyweight

ethylbenzene (100-41-4)	
LD50/oral/rat	3500 mg/kg
LD50/dermal/rabbit	15400 mg/kg
LC50/inhalation/4h/rat	17,4 mg/l/4h
ATE CLP (oral)	3500 mg/kg bodyweight
ATE CLP (dermal)	15400 mg/kg bodyweight
ATE CLP (gases)	4500 ppmv/4h
ATE CLP (vapours)	17,2 mg/l/4h
ATE CLP (dust,mist)	1,5 mg/l/4h

Skin corrosion/irritation : Not classified
pH: No data available

Serious eye damage/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 : Not classified (Based on available data, the classification criteria are not met.)

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.)

Other information : Symptoms related to the physical, chemical and toxicological characteristics.
For further information see section 4.

Other information

Symptoms related to the physical, chemical and toxicological characteristics,For further information see section 4

SECTION 12: Ecological information

12.1. Toxicity

Toxicity : 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".

acetone; propan-2-one; propanone (67-64-1)	
LC50 fish 1	4,74 - 6,33 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia 1	10294 - 17704 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	6210 - 8120 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 2	12600 - 12700 mg/l (Exposure time: 48 h - Species: Daphnia magna)

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)

2-methoxy-1-methylethyl acetate (108-65-6)	
LC50 fish 1	161 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	> 500 mg/l (Exposure time: 48 h - Species: Daphnia magna)

ethylbenzene (100-41-4)	
LC50 fish 1	11,0 - 18,0 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	1,8 - 2,4 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2	4,2 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static])
EC50 72h algae (1)	4,6 mg/l (Species: Pseudokirchneriella subcapitata)
EC50 96h algae (1)	> 438 mg/l (Species: Pseudokirchneriella subcapitata)

12.2. Persistence and degradability

Persistence and degradability : No data available

12.3. Bioaccumulative potential

Bioaccumulative potential : No data available
Partition coefficient n-octanol/water : No data available

12.4. Mobility in soil

Mobility in soil : No data available

12.5. Results of PBT and vPvB assessment

PBT/vPvB data : Not applicable

12.6. Other adverse effects

Other information : No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product waste : Do not allow contact with soil, surface or ground water.
Dispose of empty containers and wastes safely
Safe handling: see section 7
Refer to 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

Contaminated packaging : Never use pressure to empty container.
Handle contaminated packages in the same way as the substance itself.
Dispose of contaminated materials in accordance with current regulations
Do not burn, or use a cutting torch on, the empty drum.
Do not puncture or incinerate.

European waste catalogue : This material and its container must be disposed of as hazardous waste.
Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

14.1. UN number

UN number : 1950

14.2. UN proper shipping name

Proper Shipping Name : AEROSOLS
Proper Shipping Name (IATA) : Aerosols, flammable
Proper Shipping Name (IMDG) : AEROSOLS
Proper Shipping Name (ADN) : AEROSOLS

14.3. Transport hazard class(es)

14.3.1. Overland transport

Class(es) : 2 - Gases
Classification code : 5F
ADR/RID-Labels : 2.1 - Flammable gases

14.3.2. Inland waterway transport (ADN)

Class (UN) : 2

14.3.3. Transport by sea

Class or Division : 2 - Gases

14.3.4. Air transport

Class or Division : 2 - Gases

14.4. Packing group

Packing group : NA

14.5. Environmental hazards

Environmental hazards : NA

Other information : No supplementary information available.

14.6 Special precautions for user

Special precautions for user : No data available.

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

15.1.1. EU-Regulations

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

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	:	Warm Fusion Spray Paint - acetone; propan-2-one; propanone - xylene - ethylbenzene
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.	:	acetone; propan-2-one; propanone - propane - xylene - butane - 2-methoxy-1-methylethyl acetate - ethylbenzene
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	:	Warm Fusion Spray Paint - acetone; propan-2-one; propanone - xylene - 2-methoxy-1-methylethyl acetate - ethylbenzene
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	:	Warm Fusion Spray Paint - acetone; propan-2-one; propanone - propane - xylene - butane - 2-methoxy-1-methylethyl acetate - ethylbenzene
This product contains an ingredient according to the candidate list of Annex XIV of the REACH Regulation 1907/2006/EC.	:	none
Authorisations	:	Not applicable
VOC content	:	89,54 %

15.1.2. National regulations

15.2. Chemical safety assessment

Chemical safety assessment	:	Chemical safety assessments for substances in this preparation were not carried out.

SECTION 16: Other information

Full text of R-, H- and EUH-phrases:

Acute Tox. 4 (Dermal)	:	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	:	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:vapour)	:	Acute toxicity (inhal.), Category 4
Aerosol 1	:	Aerosol, Category 1
Aquatic Acute 1	:	Hazardous to the aquatic environment - Aquatic Acute 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
Press. Gas (Liq.)	:	Gases under pressure : Liquefied gas
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
STOT SE 3	:	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
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.
H335	:	May cause respiratory irritation.
H336	:	May cause drowsiness or dizziness.
H373	:	May cause damage to organs through prolonged or repeated exposure.
H400	:	Very toxic to aquatic life.
EUH066	:	Repeated exposure may cause skin dryness or cracking.
R36	:	Irritating to eyes
R66	:	Repeated exposure may cause skin dryness or cracking.
R67	:	Vapours may cause drowsiness and dizziness.
Xi	:	Irritant

Key literature references and sources for data :

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)

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Classification according to Regulation (EC) No. 1272/2008 [CLP]
Labelling according to Regulation (EC) No. 1272/2008 [CLP]

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