



High Solids Euro Clear E9050

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue: 13/02/2015

Revision date:

Version: 1.0

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

1.1. Product identifier

Product form : Mixture
Product name : High Solids Euro Clear E9050
Product group : Clearcoat

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

1.2.1. Relevant identified uses

Industrial/Professional use spec : Industrial
For professional use only
Function or use category : Coating

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

HIGH TECK PRODUCTS
PO BOX 24631
WEST PALM BEACH, FLORIDA
33416 - USA
T 877-900-8325
info@nationaloak.com

1.4. Emergency telephone number

Emergency number : (800) 424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flam. Liq. 3 H226
Acute Tox. 4 (Dermal) H312
Acute Tox. 4 (Inhalation) H332
Skin Irrit. 2 H315
Skin Sens. 1 H317
STOT SE 3 H335
STOT SE 3 H336
Aquatic Chronic 3 H412

Full text of H-phrases: see section 16

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

Xn; R20/21
Xi; R37
R10
R66
R52/53

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS02

GHS07

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Signal word (CLP)	: Warning
Hazardous ingredients	: 4-methylpentan-2-one, isobutyl methyl ketone, reaction mass of α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene) and α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene), Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate, 2-methoxypropyl acetate, n-butyl acetate, Solvent naphtha (petroleum), light arom., n-butyl acrylate, toluene
Hazard statements (CLP)	: H226 - Flammable liquid and vapour H312+H332 - Harmful in contact with skin or if inhaled H315 - Causes skin irritation H317 - May cause an allergic skin reaction H335 - May cause respiratory irritation H336 - May cause drowsiness or dizziness H412 - Harmful to aquatic life with long lasting effects
Precautionary statements (CLP)	: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking P261 - Avoid breathing spray, vapours P264 - Wash hands thoroughly after handling P273 - Avoid release to the environment P280 - Wear face protection, protective clothing, protective gloves P312 - Call a doctor if you feel unwell

No labelling applicable

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
xylene	(CAS No) 1330-20-7 (EC no) 215-535-7 (EC index no) 601-022-00-9	5 - 23	R10 Xn; R20/21 Xi; R38
Solvent naphtha (petroleum), light arom.,	(EC no) 918-668-5	5 - 23	Xi; R37 R10 Xn; R65 R66 R67 N; R51/53
n-butyl acetate	(CAS No) 123-86-4 (EC no) 204-658-1 (EC index no) 607-025-00-1	< 23	R10 R66 R67
4-methylpentan-2-one, isobutyl methyl ketone	(CAS No) 108-10-1 (EC no) 203-550-1 (EC index no) 606-004-00-4	5 - 23	F; R11 Xn; R20 Xi; R36/37 R66
2-methoxy-1-methylethyl acetate substance with a Community workplace exposure limit	(CAS No) 108-65-6 (EC no) 203-603-9 (EC index no) 607-195-00-7	< 23	R10
ethylbenzene	(CAS No) 100-41-4 (EC no) 202-849-4 (EC index no) 601-023-00-4	< 23	F; R11 Xn; R20
reaction mass of α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene) and α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)	(EC no) 400-830-7 (EC index no) 607-176-00-3	< 5	R43 N; R51/53
Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	(EC no) 915-687-0	< 5	Not classified
n-butyl acrylate	(CAS No) 141-32-2 (EC no) 205-480-7 (EC index no) 607-062-00-3	< 5	R10 Xi; R36/37/38 R43

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Name	Product identifier	%	Classification according to Directive 67/548/EEC
toluene	(CAS No) 108-88-3 (EC no) 203-625-9 (EC index no) 601-021-00-3	< 5	F; R11 Repr.Cat.3; R63 Xn; R65 Xn; R48/20 Xi; R38 R67
Name	Product identifier	Specific concentration limits	
xylene	(CAS No) 1330-20-7 (EC no) 215-535-7 (EC index no) 601-022-00-9	(C >= 12.5) Xn;R20/21	
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
xylene	(CAS No) 1330-20-7 (EC no) 215-535-7 (EC index no) 601-022-00-9	5 - 23	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315
Solvent naphtha (petroleum), light arom.,	(EC no) 918-668-5	5 - 23	Flam. Liq. 3, H226 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
n-butyl acetate	(CAS No) 123-86-4 (EC no) 204-658-1 (EC index no) 607-025-00-1	< 23	Flam. Liq. 3, H226 STOT SE 3, H336
4-methylpentan-2-one, isobutyl methyl ketone	(CAS No) 108-10-1 (EC no) 203-550-1 (EC index no) 606-004-00-4	5 - 23	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2, H319 STOT SE 3, H335
2-methoxy-1-methylethyl acetate substance with a Community workplace exposure limit	(CAS No) 108-65-6 (EC no) 203-603-9 (EC index no) 607-195-00-7	< 23	Flam. Liq. 3, H226
ethylbenzene	(CAS No) 100-41-4 (EC no) 202-849-4 (EC index no) 601-023-00-4	< 23	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 STOT RE 2, H373 Asp. Tox. 1, H304
reaction mass of α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene) and α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-oxypoly(oxyethylene)	(EC no) 400-830-7 (EC index no) 607-176-00-3	< 5	Skin Sens. 1, H317 Aquatic Chronic 2, H411
Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	(EC no) 915-687-0	< 5	Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
n-butyl acrylate	(CAS No) 141-32-2 (EC no) 205-480-7 (EC index no) 607-062-00-3	< 5	Flam. Liq. 3, H226 Eye Irrit. 2, H319 STOT SE 3, H335 Skin Irrit. 2, H315 Skin Sens. 1, H317
toluene	(CAS No) 108-88-3 (EC no) 203-625-9 (EC index no) 601-021-00-3	< 5	Flam. Liq. 2, H225 Repr. 2, H361d Asp. Tox. 1, H304 STOT RE 2, H373 Skin Irrit. 2, H315 STOT SE 3, H336

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

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
First-aid measures after skin contact	: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Get medical advice/attention. If skin irritation or rash occurs: Get immediate medical advice/attention. Repeated exposure may cause skin dryness or cracking.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

Symptoms/injuries after inhalation	: May cause an allergic skin reaction. May cause respiratory irritation. May cause drowsiness or dizziness.
Symptoms/injuries after skin contact	: Repeated exposure to this material can result in absorption through skin causing significant health hazard. Harmful in contact with skin. Causes skin irritation.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Flammable liquid and vapour.
Explosion hazard	: May form flammable/explosive vapour-air mixture.

5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.
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6.1.1. For non-emergency personnel

Protective equipment	: Protective clothing. Safety glasses. Gloves.
Emergency procedures	: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment	: Equip cleanup crew with proper protection. Avoid breathing spray, vapours.
Emergency procedures	: Ventilate area.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

For containment	: Collect spillage. Contain released substance, pump into suitable containers.
Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed	: Handle empty containers with care because residual vapours are flammable.
Precautions for safe handling	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Avoid breathing spray, vapours. Use only outdoors or in a well-ventilated area.
Hygiene measures	: Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical, Lighting equipment equipment.
Storage conditions	: Keep only in the original container in a cool, well ventilated place away from : Heat sources, Ignition sources. Keep container tightly closed.
Incompatible products	: Strong bases. Strong acids.
Incompatible materials	: Sources of ignition. Direct sunlight. Heat sources.
Storage temperature	: < 25 °C
Special rules on packaging	: Keep only in original container.

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7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

4-methylpentan-2-one, isobutyl methyl ketone (108-10-1)		
EU	Local name	4-Methylpentan-2-one
EU	IOELV TWA (mg/m ³)	83 mg/m ³
EU	IOELV TWA (ppm)	20 ppm
EU	IOELV STEL (mg/m ³)	208 mg/m ³
EU	IOELV STEL (ppm)	50 ppm
Austria	Local name	4-Methylpentanon-2
Austria	MAK (mg/m ³)	83 mg/m ³
Austria	MAK (ppm)	20 ppm
Austria	MAK Short time value (mg/m ³)	208 mg/m ³
Austria	MAK Short time value (ppm)	50 ppm
Austria	Remark (AT)	H
Belgium	Local name	4-Méthyl-2-pentanone
Belgium	Limit value (mg/m ³)	83 mg/m ³
Belgium	Limit value (ppm)	20 ppm
Belgium	Short time value (mg/m ³)	208 mg/m ³
Belgium	Short time value (ppm)	50 ppm
Bulgaria	Local name	Метилизобутилкетон (4-метил - пентан-2-ОН)•
Bulgaria	OEL TWA (mg/m ³)	50 mg/m ³
Bulgaria	OEL STEL (mg/m ³)	200 mg/m ³
Croatia	Local name	4-Metil-pentan-2-on; (izobutil-metil-keton)
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	83 mg/m ³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	20 ppm
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m ³)	208 mg/m ³
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	50 ppm
Croatia	Naznake (HR)	K, EU* F, Xn
Czech Republic	Local name	4-Methyl-2-pentanon
Czech Republic	Expoziční limity (PEL) (mg/m ³)	80 mg/m ³
Czech Republic	Expoziční limity (PEL) (ppm)	19.5 ppm
Czech Republic	Expoziční limity (NPK-P) (mg/m ³)	200 mg/m ³
Czech Republic	Expoziční limity (NPK-P) (ppm)	49 ppm
Czech Republic	Remark (CZ)	D
Denmark	Local name	Methylisobutylketon (2002)
Denmark	Grænseværdie (langvarig) (mg/m ³)	83 mg/m ³
Denmark	Grænseværdie (langvarig) (ppm)	20 ppm
Denmark	Anmærkninger (DK)	EH
Estonia	Local name	4-metüül-2-pentanoon (metüülisobütüülketoon)
Estonia	OEL TWA (mg/m ³)	83 mg/m ³
Estonia	OEL TWA (ppm)	20 ppm
Estonia	OEL STEL (mg/m ³)	208 mg/m ³
Estonia	OEL STEL (ppm)	50 ppm
Finland	Local name	4-Metyyli-2-pentanoni
Finland	HTP-arvo (8h) (mg/m ³)	80 mg/m ³
Finland	HTP-arvo (8h) (ppm)	20 ppm
Finland	HTP-arvo (15 min)	210 mg/m ³
Finland	HTP-arvo (15 min) (ppm)	50 ppm
France	Local name	Méthylisobutylcétone
France	VME (mg/m ³)	83 mg/m ³

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4-methylpentan-2-one, isobutyl methyl ketone (108-10-1)		
France	VME (ppm)	20 ppm
France	VLE (mg/m ³)	208 mg/m ³
France	VLE (ppm)	50 ppm
Germany	Local name	4-Methylpentan-2-on
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	83 mg/m ³
Germany	TRGS 900 Occupational exposure limit value (ppm)	20 ppm
Germany	Remark (TRGS 900)	DFG,EU,H,Y
Greece	OEL TWA (mg/m ³)	410 mg/m ³
Greece	OEL TWA (ppm)	100 ppm
Greece	OEL STEL (mg/m ³)	410 mg/m ³
Greece	OEL STEL (ppm)	100 ppm
Hungary	Local name	4-METILPENTÁN-2-ON (Izobutil-metil-ke-ton)
Hungary	AK-érték	83 mg/m ³
Hungary	CK-érték	208 mg/m ³
Hungary	Megjegyzések (HU)	EU1
Ireland	Local name	Methyl isobutyl ketone (MIBK)
Ireland	OEL (8 hours ref) (mg/m ³)	83 mg/m ³
Ireland	OEL (8 hours ref) (ppm)	20 ppm
Ireland	OEL (15 min ref) (mg/m ³)	208 mg/m ³
Ireland	OEL (15 min ref) (ppm)	50 ppm
Ireland	Notes (IE)	Sk, IOELV
Italy	Local name	Metilpentan-2-one,4-
Italy	OEL TWA (mg/m ³)	83 mg/m ³
Italy	OEL TWA (ppm)	20 ppm
Italy	OEL STEL (mg/m ³)	208 mg/m ³
Italy	OEL STEL (ppm)	50 ppm
Lithuania	Local name	Metilizobutilketonas (MIBK) (4-metilpentanonas-2)
Lithuania	IPRV (mg/m ³)	83 mg/m ³
Lithuania	IPRV (ppm)	20 ppm
Lithuania	TPRV (mg/m ³)	208 mg/m ³
Lithuania	TPRV (ppm)	50 ppm
Luxembourg	Local name	4-Méthylpentane-2-one
Luxembourg	OEL TWA (mg/m ³)	83 mg/m ³
Luxembourg	OEL TWA (ppm)	20 ppm
Luxembourg	OEL STEL (mg/m ³)	208 mg/m ³
Luxembourg	OEL STEL (ppm)	50 ppm
Malta	Local name	4-Methylpentan-2-one
Malta	OEL TWA (mg/m ³)	83 mg/m ³
Malta	OEL TWA (ppm)	20 ppm
Malta	OEL STEL (mg/m ³)	208 mg/m ³
Malta	OEL STEL (ppm)	50 ppm
Netherlands	Local name	4-Methyl-2-pentanon
Netherlands	Grenswaarde TGG 8H (mg/m ³)	104 mg/m ³
Netherlands	Grenswaarde TGG 15MIN (mg/m ³)	208 mg/m ³
Poland	Local name	4-Metylopentan-2-on (metyloizobutyloketon,hekson)
Poland	NDS (mg/m ³)	83 mg/m ³
Poland	NDSch (mg/m ³)	200 mg/m ³
Portugal	Local name	Metilisobutilcetona (MIBK)
Portugal	OEL TWA (ppm)	50 ppm
Portugal	OEL STEL (ppm)	75 ppm
Slovenia	Local name	4-metilpentan-2-on (metilizobutilketon)

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4-methylpentan-2-one, isobutyl methyl ketone (108-10-1)		
Slovenia	OEL TWA (mg/m ³)	83 mg/m ³
Slovenia	OEL TWA (ppm)	20 ppm
Slovenia	OEL STEL (mg/m ³)	207.5 mg/m ³
Slovenia	OEL STEL (ppm)	50 ppm
Spain	Local name	Metilisobutilcetona
Spain	VLA-ED (mg/m ³)	83 mg/m ³
Spain	VLA-ED (ppm)	20 ppm
Spain	VLA-EC (mg/m ³)	208 mg/m ³
Spain	VLA-EC (ppm)	50 ppm
Spain	Notes	VLB®, VLI
Sweden	Local name	Methyl isobutyl ketone
Sweden	nivågränsvärde (NVG) (mg/m ³)	100 mg/m ³
Sweden	nivågränsvärde (NVG) (ppm)	25 ppm
Sweden	kortidsvärde (KTV) (mg/m ³)	200 mg/m ³
Sweden	kortidsvärde (KTV) (ppm)	50 ppm
United Kingdom	Local name	4-Methylpentan-2-one
United Kingdom	WEL TWA (mg/m ³)	208 mg/m ³
United Kingdom	WEL TWA (ppm)	50 ppm
United Kingdom	WEL STEL (mg/m ³)	416 mg/m ³
United Kingdom	WEL STEL (ppm)	100 ppm
United Kingdom	Remark (WEL)	Sk, BMGV
Norway	Local name	4-Metylpentan-2-on
Norway	Gjennomsnittsverdier (AN) (mg/m ³)	105 mg/m ³
Norway	Gjennomsnittsverdier (AN) (ppm)	25 ppm
Norway	Merknader (NO)	H
Switzerland	Local name	4-Méthylpentane-2-one
Switzerland	VME (mg/m ³)	82 mg/m ³
Switzerland	VME (ppm)	20 ppm
Switzerland	VLE (mg/m ³)	164 mg/m ³
Switzerland	VLE (ppm)	40 ppm
Switzerland	Remark (CH)	4x15
Australia	Local name	Methyl isobutyl ketone
Australia	TWA (mg/m ³)	205 mg/m ³
Australia	TWA (ppm)	50 ppm
Australia	STEL (mg/m ³)	307 mg/m ³
Australia	STEL (ppm)	75 ppm
USA - ACGIH	Local name	Methyl isobutyl ketone
USA - ACGIH	ACGIH TWA (ppm)	20 ppm
USA - ACGIH	ACGIH STEL (ppm)	75 ppm
USA - ACGIH	Remark (ACGIH)	URT irr; dizziness; headache
USA - OSHA	Local name	Hexone (Methyl isobutyl ketone)
USA - OSHA	OSHA PEL (TWA) (mg/m ³)	410 mg/m ³
USA - OSHA	OSHA PEL (TWA) (ppm)	100 ppm
n-butyl acetate (123-86-4)		
Belgium	Local name	Acétate de n-butyle
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 (ppm)	200 ppm
Bulgaria	Local name	n-Бутилацетат
Bulgaria	OEL TWA (mg/m ³)	710 mg/m ³
Bulgaria	OEL STEL (mg/m ³)	950 mg/m ³
Croatia	Local name	n-Butil-acetat
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	724 mg/m ³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	150 ppm

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n-butyl acetate (123-86-4)		
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m ³)	966 mg/m ³
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	200 ppm
Czech Republic	Local name	Butylacetát
Czech Republic	Expoziční limity (PEL) (mg/m ³)	950 mg/m ³
Czech Republic	Expoziční limity (PEL) (ppm)	200.5 ppm
Czech Republic	Expoziční limity (NPK-P) (mg/m ³)	1200 mg/m ³
Czech Republic	Expoziční limity (NPK-P) (ppm)	253 ppm
Denmark	Local name	Butylacetat, alle isomere
Denmark	Grænseværdie (langvarig) (mg/m ³)	710 mg/m ³
Denmark	Grænseværdie (langvarig) (ppm)	150 ppm
Finland	Local name	n-Butyylisetaatti
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	Local name	Acétate de n-butyle
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
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	Local name	n-BUTIL-ACETÁT
Hungary	AK-érték	950 mg/m ³
Hungary	CK-érték	950 mg/m ³
Hungary	Megjegyzések (HU)	i, sz; l.
Ireland	Local name	Butyl acetate
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	Local name	Etiķskābesbutilesteris (n-butilacetāts)
Latvia	OEL TWA (mg/m ³)	200 mg/m ³
Poland	Local name	Octan butylu (n-butylu octan)
Poland	NDS (mg/m ³)	200 mg/m ³
Poland	NDSch (mg/m ³)	950 mg/m ³
Portugal	Local name	Acetato de n-butilo
Portugal	OEL TWA (ppm)	150 ppm
Portugal	OEL STEL (ppm)	200 ppm
Romania	Local name	Acetat de butil
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
Slovenia	Local name	n-butilacetat
Slovenia	OEL TWA (mg/m ³)	480 mg/m ³
Slovenia	OEL TWA (ppm)	100 ppm

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n-butyl acetate (123-86-4)		
Slovenia	OEL STEL (mg/m ³)	480 mg/m ³
Slovenia	OEL STEL (ppm)	100 ppm
Sweden	Local name	Butyl acetate n-Butyl
Sweden	nivågränsvärde (NVG) (mg/m ³)	500 mg/m ³
Sweden	nivågränsvärde (NVG) (ppm)	100 ppm
United Kingdom	Local name	Butyl acetate
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
Iceland	Local name	Bútýlasetat, allir ísómerar (ísóbútýlasetat)
Iceland	OEL (8 hours ref) (mg/m ³)	700 mg/m ³
Iceland	OEL (8 hours ref) (ppm)	150 ppm
Switzerland	Local name	1-Butylacétate
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
Switzerland	Remark (CH)	4x15
Australia	Local name	n-Butyl acetate
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
USA - ACGIH	Local name	n-Butyl acetate
USA - ACGIH	ACGIH TWA (ppm)	150 ppm
USA - ACGIH	ACGIH STEL (ppm)	200 ppm
USA - ACGIH	Remark (ACGIH)	Eye & URT irr
USA - OSHA	Local name	n-Butyl-acetate
USA - OSHA	OSHA PEL (TWA) (mg/m ³)	710 mg/m ³
USA - OSHA	OSHA PEL (TWA) (ppm)	150 ppm
ethylbenzene (100-41-4)		
EU	Local name	Ethylbenzene
EU	IOELV TWA (mg/m ³)	442 mg/m ³
EU	IOELV TWA (ppm)	100 ppm
EU	IOELV STEL (mg/m ³)	884 mg/m ³
EU	IOELV STEL (ppm)	200 ppm
EU	Notes	Skin
Austria	Local name	Ethylbenzol
Austria	MAK (mg/m ³)	440 mg/m ³
Austria	MAK (ppm)	100 ppm
Austria	MAK Short time value (mg/m ³)	880 mg/m ³
Austria	MAK Short time value (ppm)	200 ppm
Austria	Remark (AT)	H
Belgium	Local name	Ethylbenzène
Belgium	Limit value (mg/m ³)	442 mg/m ³
Belgium	Limit value (ppm)	100 ppm
Belgium	Short time value (mg/m ³)	551 mg/m ³
Belgium	Short time value (ppm)	125 ppm
Belgium	Remark (BE)	D
Bulgaria	Local name	Етилбензен•
Bulgaria	OEL TWA (mg/m ³)	435 mg/m ³
Bulgaria	OEL STEL (mg/m ³)	545 mg/m ³
Croatia	Local name	Etilbenzen
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	442 mg/m ³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	100 ppm

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ethylbenzene (100-41-4)		
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m ³)	884 mg/m ³
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	200 ppm
Croatia	Naznake (HR)	K EU*, F, Xn
Czech Republic	Local name	Ethylbenzen
Czech Republic	Expoziční limity (PEL) (mg/m ³)	200 mg/m ³
Czech Republic	Expoziční limity (PEL) (ppm)	50 ppm
Czech Republic	Expoziční limity (NPK-P) (mg/m ³)	500 mg/m ³
Czech Republic	Expoziční limity (NPK-P) (ppm)	120 ppm
Czech Republic	Remark (CZ)	D
Denmark	Local name	Ethylbenzen
Denmark	Grænseværdie (langvarig) (mg/m ³)	217 mg/m ³
Denmark	Grænseværdie (langvarig) (ppm)	50 ppm
Denmark	Anmærkninger (DK)	EK
Estonia	Local name	Etüülbenseen
Estonia	OEL TWA (mg/m ³)	442 mg/m ³
Estonia	OEL TWA (ppm)	100 ppm
Estonia	OEL STEL (mg/m ³)	884 mg/m ³
Estonia	OEL STEL (ppm)	200 ppm
Finland	Local name	Etylibentseeni
Finland	HTP-arvo (8h) (mg/m ³)	220 mg/m ³
Finland	HTP-arvo (8h) (ppm)	50 ppm
Finland	HTP-arvo (15 min)	880 mg/m ³
Finland	HTP-arvo (15 min) (ppm)	200 ppm
Germany	Local name	Ethylbenzol
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	88 mg/m ³
Germany	TRGS 900 Occupational exposure limit value (ppm)	20 ppm
Germany	Remark (TRGS 900)	EU,H,13
Greece	OEL TWA (mg/m ³)	435 mg/m ³
Greece	OEL TWA (ppm)	100 ppm
Greece	OEL STEL (mg/m ³)	545 mg/m ³
Greece	OEL STEL (ppm)	125 ppm
Hungary	Local name	ETILBENZOL
Hungary	AK-érték	442 mg/m ³
Hungary	CK-érték	884 mg/m ³
Hungary	Megjegyzések (HU)	b, i, l.
Ireland	Local name	Ethylbenzene
Ireland	OEL (8 hours ref) (mg/m ³)	442 mg/m ³
Ireland	OEL (8 hours ref) (ppm)	100 ppm
Ireland	OEL (15 min ref) (mg/m ³)	884 mg/m ³
Ireland	OEL (15 min ref) (ppm)	200 ppm
Ireland	Notes (IE)	Sk, IOELV
Italy	Local name	Etilbenzene
Italy	OEL TWA (mg/m ³)	442 mg/m ³
Italy	OEL TWA (ppm)	100 ppm
Italy	OEL STEL (mg/m ³)	884 mg/m ³
Italy	OEL STEL (ppm)	200 ppm
Lithuania	Local name	Etilbenzenas
Lithuania	IPRV (mg/m ³)	442 mg/m ³

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ethylbenzene (100-41-4)		
Lithuania	IPRV (ppm)	100 ppm
Lithuania	TPRV (mg/m ³)	884 mg/m ³
Lithuania	TPRV (ppm)	200 ppm
Lithuania	Remark (LT)	O
Luxembourg	Local name	Ethylbenzène
Luxembourg	OEL TWA (mg/m ³)	442 mg/m ³
Luxembourg	OEL TWA (ppm)	100 ppm
Luxembourg	OEL STEL (mg/m ³)	884 mg/m ³
Luxembourg	OEL STEL (ppm)	200 ppm
Malta	Local name	Ethylbenzene
Malta	OEL TWA (mg/m ³)	442 mg/m ³
Malta	OEL TWA (ppm)	100 ppm
Malta	OEL STEL (mg/m ³)	884 mg/m ³
Malta	OEL STEL (ppm)	200 ppm
Netherlands	Local name	Ethylbenzeen
Netherlands	Grenswaarde TGG 8H (mg/m ³)	215 mg/m ³
Netherlands	Grenswaarde TGG 15MIN (mg/m ³)	430 mg/m ³
Netherlands	Remark (MAC)	H
Poland	Local name	Etylobenzen
Poland	NDS (mg/m ³)	200 mg/m ³
Poland	NDSch (mg/m ³)	400 mg/m ³
Portugal	Local name	Etilbenzeno
Portugal	OEL TWA (ppm)	100 ppm
Portugal	OEL STEL (ppm)	125 ppm
Romania	Local name	Etilbenzen
Romania	OEL TWA (mg/m ³)	442 mg/m ³
Romania	OEL TWA (ppm)	100 ppm
Romania	OEL STEL (mg/m ³)	884 mg/m ³
Romania	OEL STEL (ppm)	200 ppm
Slovenia	Local name	etilbenzen
Slovenia	OEL TWA (mg/m ³)	442 mg/m ³
Slovenia	OEL TWA (ppm)	100 ppm
Slovenia	OEL STEL (mg/m ³)	884 mg/m ³
Slovenia	OEL STEL (ppm)	200 ppm
Sweden	Local name	Ethylbenzene
Sweden	nivågränsvärde (NVG) (mg/m ³)	200 mg/m ³
Sweden	nivågränsvärde (NVG) (ppm)	50 ppm
Sweden	kortidsvärde (KTV) (mg/m ³)	450 mg/m ³
Sweden	kortidsvärde (KTV) (ppm)	100 ppm
United Kingdom	Local name	Ethylbenzene
United Kingdom	WEL TWA (mg/m ³)	441 mg/m ³
United Kingdom	WEL TWA (ppm)	100 ppm
United Kingdom	WEL STEL (mg/m ³)	552 mg/m ³
United Kingdom	WEL STEL (ppm)	125 ppm
United Kingdom	Remark (WEL)	Sk
Iceland	Local name	Etylbensen
Iceland	OEL (8 hours ref) (mg/m ³)	200 mg/m ³
Iceland	OEL (8 hours ref) (ppm)	50 ppm
Iceland	OEL (15 min ref) (mg/m ³)	884 mg/m ³
Iceland	OEL (15 min ref) (ppm)	200 ppm
Iceland	Notes (IS)	H
Norway	Local name	Etylbenzen

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ethylbenzene (100-41-4)		
Norway	Gjennomsnittsverdier (AN) (mg/m ³)	20 mg/m ³
Norway	Gjennomsnittsverdier (AN) (ppm)	5 ppm
Norway	Merknader (NO)	H K
Switzerland	Local name	Ethylbenzène
Switzerland	VME (mg/m ³)	435 mg/m ³
Switzerland	VME (ppm)	100 ppm
Switzerland	VLE (mg/m ³)	435 mg/m ³
Switzerland	VLE (ppm)	100 ppm
Switzerland	Remark (CH)	15 min
Australia	Local name	Ethyl benzene
Australia	TWA (mg/m ³)	434 mg/m ³
Australia	TWA (ppm)	100 ppm
Australia	STEL (mg/m ³)	543 mg/m ³
Australia	STEL (ppm)	125 ppm
USA - ACGIH	Local name	Ethyl benzene
USA - ACGIH	ACGIH TWA (ppm)	20 ppm
USA - ACGIH	Remark (ACGIH)	URT irr; kidney dam (nephropathy)
USA - OSHA	Local name	Ethyl benzene
USA - OSHA	OSHA PEL (TWA) (mg/m ³)	435 mg/m ³
USA - OSHA	OSHA PEL (TWA) (ppm)	100 ppm
xylene (1330-20-7)		
EU	Local name	Xylene, mixed isomers, pure
EU	IOELV TWA (mg/m ³)	221 mg/m ³
EU	IOELV TWA (ppm)	50 ppm
EU	IOELV STEL (mg/m ³)	442 mg/m ³
EU	IOELV STEL (ppm)	100 ppm
EU	Notes	Skin
Austria	Local name	Xylol (alle Isomeren)
Austria	MAK (mg/m ³)	221 mg/m ³
Austria	MAK (ppm)	50 ppm
Austria	MAK Short time value (mg/m ³)	442 mg/m ³
Austria	MAK Short time value (ppm)	100 ppm
Austria	Remark (AT)	H
Belgium	Local name	Xylène, isomères mixtes, purs
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 (ppm)	100 ppm
Belgium	Remark (BE)	D
Bulgaria	Local name	Ксилен (смес от изомери),чист*
Bulgaria	OEL TWA (mg/m ³)	221 mg/m ³
Bulgaria	OEL STEL (mg/m ³)	442 mg/m ³
Croatia	Local name	Ksilen (svi izomeri)
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
Croatia	Naznake (HR)	K, EU* K, Xn
Czech Republic	Local name	Xylen technická sm s isomer a (všechny isomery)
Czech Republic	Expoziční limity (PEL) (mg/m ³)	200 mg/m ³
Czech Republic	Expoziční limity (PEL) (ppm)	50 ppm
Czech Republic	Expoziční limity (NPK-P) (mg/m ³)	400 mg/m ³
Czech Republic	Expoziční limity (NPK-P) (ppm)	90 ppm
Czech Republic	Remark (CZ)	D

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xylene (1330-20-7)		
Denmark	Local name	Xylen, alle isomere (1996)
Denmark	Grænseværdie (langvarig) (mg/m ³)	109 mg/m ³
Denmark	Grænseværdie (langvarig) (ppm)	25 ppm
Denmark	Anmærkninger (DK)	EH
Estonia	Local name	Ksüleen (dimetüülbenseen)
Estonia	OEL TWA (mg/m ³)	200 mg/m ³
Estonia	OEL TWA (ppm)	50 ppm
Estonia	OEL STEL (mg/m ³)	450 mg/m ³
Estonia	OEL STEL (ppm)	100 ppm
Finland	Local name	Ksyleeni
Finland	HTP-arvo (8h) (mg/m ³)	220 mg/m ³
Finland	HTP-arvo (8h) (ppm)	50 ppm
Finland	HTP-arvo (15 min)	440 mg/m ³
Finland	HTP-arvo (15 min) (ppm)	100 ppm
France	Local name	Xylène, isomères mixtes, purs
France	VME (mg/m ³)	221 mg/m ³
France	VME (ppm)	50 ppm
France	VLE (mg/m ³)	442 mg/m ³
France	VLE (ppm)	100 ppm
Germany	Local name	Xylol(allelsomeren)
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	440 mg/m ³
Germany	TRGS 900 Occupational exposure limit value (ppm)	100 ppm
Germany	Remark (TRGS 900)	DFG,EU,H
Greece	OEL TWA (mg/m ³)	435 mg/m ³
Greece	OEL TWA (ppm)	100 ppm
Greece	OEL STEL (mg/m ³)	650 mg/m ³
Greece	OEL STEL (ppm)	150 ppm
Hungary	Local name	XILOL(ok)
Hungary	AK-érték	221 mg/m ³
Hungary	CK-érték	442 mg/m ³
Hungary	Megjegyzések (HU)	b; EU1
Ireland	Local name	Xylene, mixed isomers
Ireland	OEL (8 hours ref) (mg/m ³)	221 mg/m ³
Ireland	OEL (8 hours ref) (ppm)	50 ppm
Ireland	OEL (15 min ref) (mg/m ³)	442 mg/m ³
Ireland	OEL (15 min ref) (ppm)	100 ppm
Ireland	Notes (IE)	Sk, IOELV
Italy	Local name	Xilene, isomeri misti, puro
Italy	OEL TWA (mg/m ³)	221 mg/m ³
Italy	OEL TWA (ppm)	50 ppm
Italy	OEL STEL (mg/m ³)	442 mg/m ³
Italy	OEL STEL (ppm)	100 ppm
Lithuania	Local name	Ksilenas
Lithuania	IPRV (mg/m ³)	200 mg/m ³
Lithuania	IPRV (ppm)	50 ppm
Lithuania	TPRV (mg/m ³)	450 mg/m ³
Lithuania	TPRV (ppm)	100 ppm
Lithuania	Remark (LT)	O
Luxembourg	Local name	Xylène, isomères mixtes, purs

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xylene (1330-20-7)		
Luxembourg	OEL TWA (mg/m ³)	221 mg/m ³
Luxembourg	OEL TWA (ppm)	50 ppm
Luxembourg	OEL STEL (mg/m ³)	442 mg/m ³
Luxembourg	OEL STEL (ppm)	100 ppm
Malta	Local name	Xylene,mixed isomers,pure
Malta	OEL TWA (mg/m ³)	221 mg/m ³
Malta	OEL TWA (ppm)	50 ppm
Malta	OEL STEL (mg/m ³)	442 mg/m ³
Malta	OEL STEL (ppm)	100 ppm
Netherlands	Local name	Xyleen, o-, m-, p-isomeren
Netherlands	Grenswaarde TGG 8H (mg/m ³)	210 mg/m ³
Netherlands	Grenswaarde TGG 15MIN (mg/m ³)	442 mg/m ³
Netherlands	Remark (MAC)	H
Poland	Local name	Ksilen mieszanina izomerów: 1,2-; 1,3-; 1,4-
Poland	NDS (mg/m ³)	100 mg/m ³
Portugal	Local name	Xileno (isómeros)
Portugal	OEL TWA (ppm)	100 ppm
Portugal	OEL STEL (ppm)	150 ppm
Romania	Local name	Xilen (izomeri)
Romania	OEL TWA (mg/m ³)	221 mg/m ³
Romania	OEL TWA (ppm)	50 ppm
Romania	OEL STEL (mg/m ³)	442 mg/m ³
Romania	OEL STEL (ppm)	100 ppm
Slovenia	Local name	ksilen (mešane izomere)
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	Local name	Xilenos, mezcla isómeros
Spain	VLA-ED (mg/m ³)	221 mg/m ³
Spain	VLA-ED (ppm)	50 ppm
Spain	VLA-EC (mg/m ³)	442 mg/m ³
Spain	VLA-EC (ppm)	100 ppm
Spain	Notes	vía dérmica, VLB®, VLI
Sweden	Local name	Xylene
Sweden	nivågränsvärde (NVG) (mg/m ³)	200 mg/m ³
Sweden	nivågränsvärde (NVG) (ppm)	50 ppm
Sweden	kortidsvärde (KTV) (mg/m ³)	450 mg/m ³
Sweden	kortidsvärde (KTV) (ppm)	100 ppm
United Kingdom	Local name	Xylene, o-,m-,p- or mixed isomers
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
United Kingdom	Remark (WEL)	Sk, BMGV
Norway	Local name	Xylen (alle isomere)
Norway	Gjennomsnittsverdier (AN) (mg/m ³)	108 mg/m ³
Norway	Gjennomsnittsverdier (AN) (ppm)	25 ppm
Norway	Merknader (NO)	H
Switzerland	Local name	Xylène (tous les isomères)
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

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xylene (1330-20-7)		
Switzerland	Remark (CH)	4x15
USA - ACGIH	Local name	Xylene
USA - ACGIH	ACGIH TWA (ppm)	100 ppm
USA - ACGIH	ACGIH STEL (ppm)	150 ppm
USA - ACGIH	Remark (ACGIH)	URT & eye irr; CNS impair
USA - OSHA	Local name	Xylenes (o-, m-, p-isomers)
USA - OSHA	OSHA PEL (TWA) (mg/m ³)	435 mg/m ³
USA - OSHA	OSHA PEL (TWA) (ppm)	100 ppm
2-methoxy-1-methylethyl acetate (108-65-6)		
EU	Local name	2-Methoxy-1-methylethylacetate
EU	IOELV TWA (mg/m ³)	275 mg/m ³
EU	IOELV TWA (ppm)	50 ppm
EU	IOELV STEL (mg/m ³)	550 mg/m ³
EU	IOELV STEL (ppm)	100 ppm
EU	Notes	Skin
Austria	Local name	1-Methoxypropylacetat-2
Austria	MAK (mg/m ³)	275 mg/m ³
Austria	MAK (ppm)	50 ppm
Austria	MAK Short time value (mg/m ³)	550 mg/m ³
Austria	MAK Short time value (ppm)	100 ppm
Austria	Remark (AT)	H
Belgium	Local name	Acétate de 2-(1-méthoxy)propyle
Belgium	Limit value (mg/m ³)	275 mg/m ³
Belgium	Limit value (ppm)	50 ppm
Belgium	Short time value (mg/m ³)	550 mg/m ³
Belgium	Short time value (ppm)	100 ppm
Belgium	Remark (BE)	D
Bulgaria	Local name	2-Метокси-1-метилетилацетат*
Bulgaria	OEL TWA (mg/m ³)	275 mg/m ³
Bulgaria	OEL STEL (mg/m ³)	550 mg/m ³
Croatia	Local name	2-Metoksi-1-metil-etil-acetat
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	275 mg/m ³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	50 ppm
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m ³)	550 mg/m ³
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	100 ppm
Croatia	Naznake (HR)	K, EU* Xi
Czech Republic	Local name	2-Methoxy-1-methylethylacetát
Czech Republic	Expoziční limity (PEL) (mg/m ³)	270 mg/m ³
Czech Republic	Expoziční limity (PEL) (ppm)	50 ppm
Czech Republic	Expoziční limity (NPK-P) (mg/m ³)	550 mg/m ³
Czech Republic	Expoziční limity (NPK-P) (ppm)	101.8 ppm
Czech Republic	Remark (CZ)	D
Denmark	Local name	2-Methoxy-1-methylethylacetat (2002)
Denmark	Grænseværdie (langvarig) (mg/m ³)	275 mg/m ³
Denmark	Grænseværdie (langvarig) (ppm)	50 ppm
Denmark	Anmærkninger (DK)	EH
Estonia	Local name	Propüleenglükool-monometüüleeter-atsetaat (o-atsüül-o-metüülpropüleen-glükool, metoksüpropüülatsetaat)
Estonia	OEL TWA (mg/m ³)	275 mg/m ³
Estonia	OEL TWA (ppm)	50 ppm
Estonia	OEL STEL (mg/m ³)	550 mg/m ³
Estonia	OEL STEL (ppm)	100 ppm

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2-methoxy-1-methylethyl acetate (108-65-6)		
Finland	Local name	2-Metoksi-1- metyylietiylasetaatti
Finland	HTP-arvo (8h) (mg/m ³)	270 mg/m ³
Finland	HTP-arvo (8h) (ppm)	50 ppm
Finland	HTP-arvo (15 min)	550 mg/m ³
Finland	HTP-arvo (15 min) (ppm)	100 ppm
France	Local name	Acétate de 2-méthoxy-1-méthyléthyle
France	VME (mg/m ³)	275 mg/m ³
France	VME (ppm)	50 ppm
France	VLE (mg/m ³)	550 mg/m ³
France	VLE (ppm)	100 ppm
Germany	Local name	2-Methoxy-1-methylethylacetat
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	270 mg/m ³
Germany	TRGS 900 Occupational exposure limit value (ppm)	50 ppm
Germany	Remark (TRGS 900)	DFG,EU,Y
Greece	OEL TWA (mg/m ³)	275 mg/m ³
Greece	OEL TWA (ppm)	50 ppm
Greece	OEL STEL (mg/m ³)	550 mg/m ³
Greece	OEL STEL (ppm)	100 ppm
Hungary	Local name	1-METOXI-2-PROPIIL-ACETÁT
Hungary	AK-érték	275 mg/m ³
Hungary	CK-érték	550 mg/m ³
Hungary	Megjegyzések (HU)	EU1
Ireland	Local name	2-Methoxy-1-methylethylacetate
Ireland	OEL (8 hours ref) (mg/m ³)	275 mg/m ³
Ireland	OEL (8 hours ref) (ppm)	50 ppm
Ireland	OEL (15 min ref) (mg/m ³)	550 mg/m ³
Ireland	OEL (15 min ref) (ppm)	100 ppm
Ireland	Notes (IE)	Sk, IOELV
Italy	Local name	2-Metossi-1-metiletilacetato
Italy	OEL TWA (mg/m ³)	275 mg/m ³
Italy	OEL TWA (ppm)	50 ppm
Italy	OEL STEL (mg/m ³)	550 mg/m ³
Italy	OEL STEL (ppm)	100 ppm
Lithuania	Local name	1-metoksi-2-propilacetatas (propilenglikolio monometilo eterio acetatas, PGMEA)
Lithuania	IPRV (mg/m ³)	250 mg/m ³
Lithuania	IPRV (ppm)	50 ppm
Lithuania	TPRV (mg/m ³)	400 mg/m ³
Lithuania	TPRV (ppm)	75 ppm
Lithuania	Remark (LT)	O
Luxembourg	Local name	Acétate de 2-méthoxy-1-méthyléthyle
Luxembourg	OEL TWA (mg/m ³)	275 mg/m ³
Luxembourg	OEL TWA (ppm)	50 ppm
Luxembourg	OEL STEL (mg/m ³)	550 mg/m ³
Luxembourg	OEL STEL (ppm)	100 ppm
Malta	Local name	2-Methoxy-1-methylethylacetate
Malta	OEL TWA (mg/m ³)	275 mg/m ³
Malta	OEL TWA (ppm)	50 ppm
Malta	OEL STEL (mg/m ³)	550 mg/m ³
Malta	OEL STEL (ppm)	100 ppm
Netherlands	Local name	1-Methoxy-2-propylacetaat

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2-methoxy-1-methylethyl acetate (108-65-6)		
Netherlands	Grenswaarde TGG 8H (mg/m ³)	550 mg/m ³
Poland	Local name	Octan 2-metoksy-1-metyloetylu
Poland	NDS (mg/m ³)	260 mg/m ³
Poland	NDSch (mg/m ³)	520 mg/m ³
Romania	Local name	Acetat de 2-metoxi-1 metiletil
Romania	OEL TWA (mg/m ³)	275 mg/m ³
Romania	OEL TWA (ppm)	50 ppm
Romania	OEL STEL (mg/m ³)	550 mg/m ³
Romania	OEL STEL (ppm)	100 ppm
Slovenia	Local name	2-metoksi-1-metiletilacetat
Slovenia	OEL TWA (mg/m ³)	275 mg/m ³
Slovenia	OEL TWA (ppm)	50 ppm
Slovenia	OEL STEL (mg/m ³)	550 mg/m ³
Slovenia	OEL STEL (ppm)	100 ppm
Sweden	Local name	1-Methoxy-2-propyl acetate
Sweden	nivågränsvärde (NVG) (mg/m ³)	250 mg/m ³
Sweden	nivågränsvärde (NVG) (ppm)	50 ppm
Sweden	kortidsvärde (KTV) (mg/m ³)	400 mg/m ³
Sweden	kortidsvärde (KTV) (ppm)	75 ppm
United Kingdom	Local name	1-Methoxypropyl acetate
United Kingdom	WEL TWA (mg/m ³)	274 mg/m ³
United Kingdom	WEL TWA (ppm)	50 ppm
United Kingdom	WEL STEL (mg/m ³)	548 mg/m ³
United Kingdom	WEL STEL (ppm)	100 ppm
United Kingdom	Remark (WEL)	Sk
Iceland	Local name	2-Metoxý-1-metýletýlasetat
Iceland	OEL (8 hours ref) (mg/m ³)	275 mg/m ³
Iceland	OEL (8 hours ref) (ppm)	50 ppm
Iceland	OEL (15 min ref) (mg/m ³)	550 mg/m ³
Iceland	OEL (15 min ref) (ppm)	100 ppm
Iceland	Notes (IS)	H
Norway	Local name	1-Metoksy-2-propylacetat .
Norway	Gjennomsnittsverdier (AN) (mg/m ³)	270 mg/m ³
Norway	Gjennomsnittsverdier (AN) (ppm)	50 ppm
Norway	Merknader (NO)	H
Switzerland	Local name	1-Méthoxypropylacétate-2
Switzerland	VME (mg/m ³)	275 mg/m ³
Switzerland	VME (ppm)	50 ppm
Switzerland	VLE (mg/m ³)	275 mg/m ³
Switzerland	VLE (ppm)	50 ppm
Switzerland	Remark (CH)	15 min
Australia	Local name	1-Methoxy-2-propanol acetate
Australia	TWA (mg/m ³)	274 mg/m ³
Australia	TWA (ppm)	50 ppm
Australia	STEL (mg/m ³)	548 mg/m ³
Australia	STEL (ppm)	100 ppm
n-butyl acrylate (141-32-2)		
EU	Local name	n-Butylacrylate
EU	IOELV TWA (mg/m ³)	11 mg/m ³
EU	IOELV TWA (ppm)	2 ppm
EU	IOELV STEL (mg/m ³)	53 mg/m ³
EU	IOELV STEL (ppm)	10 ppm
Austria	Local name	n-Butylacrylat

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n-butyl acrylate (141-32-2)		
Austria	MAK (mg/m ³)	11 mg/m ³
Austria	MAK (ppm)	2 ppm
Austria	MAK Short time value (mg/m ³)	53 mg/m ³
Austria	MAK Short time value (ppm)	10 ppm
Austria	Remark (AT)	S
Belgium	Local name	Acrylate de n-butyle
Belgium	Limit value (mg/m ³)	11 mg/m ³
Belgium	Limit value (ppm)	2 ppm
Belgium	Short time value (mg/m ³)	53 mg/m ³
Belgium	Short time value (ppm)	10 ppm
Bulgaria	Local name	н-Бутилакрилат•
Bulgaria	OEL TWA (mg/m ³)	11 mg/m ³
Bulgaria	OEL STEL (mg/m ³)	53 mg/m ³
Croatia	Local name	n-Butil-akrilat
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	11 mg/m ³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	2 ppm
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m ³)	53 mg/m ³
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	10 ppm
Croatia	Naznake (HR)	Xi, EU*
Czech Republic	Local name	n-Butylakrylát
Czech Republic	Expoziční limity (PEL) (mg/m ³)	10 mg/m ³
Czech Republic	Expoziční limity (PEL) (ppm)	1.9 ppm
Czech Republic	Expoziční limity (NPK-P) (mg/m ³)	20 mg/m ³
Czech Republic	Expoziční limity (NPK-P) (ppm)	3.8 ppm
Czech Republic	Remark (CZ)	D, S
Denmark	Local name	n-Butylacrylat (1996)
Denmark	Grænseværdie (langvarig) (mg/m ³)	11 mg/m ³
Denmark	Grænseværdie (langvarig) (ppm)	2 ppm
Denmark	Anmærkninger (DK)	E
Estonia	Local name	Butüülakrülaat (butüülpropenaat)
Estonia	OEL TWA (mg/m ³)	11 mg/m ³
Estonia	OEL TWA (ppm)	2 ppm
Estonia	OEL STEL (mg/m ³)	53 mg/m ³
Estonia	OEL STEL (ppm)	10 ppm
Finland	Local name	n-Butyliakrylaatti
Finland	HTP-arvo (8h) (mg/m ³)	11 mg/m ³
Finland	HTP-arvo (8h) (ppm)	2 ppm
Finland	HTP-arvo (15 min)	53 mg/m ³
Finland	HTP-arvo (15 min) (ppm)	10 ppm
France	Local name	Acrylate de n-butyle
France	VME (mg/m ³)	11 mg/m ³
France	VME (ppm)	2 ppm
France	VLE (mg/m ³)	53 mg/m ³
France	VLE (ppm)	10 ppm
Germany	Local name	n-Butylacrylat
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	11 mg/m ³
Germany	TRGS 900 Occupational exposure limit value (ppm)	2 ppm
Germany	Remark (TRGS 900)	DFG,EU,Y
Greece	OEL TWA (mg/m ³)	55 mg/m ³
Greece	OEL TWA (ppm)	10 ppm
Hungary	Local name	n-BUTIL-AKRILÁT

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Hungary	AK-érték	11 mg/m ³
Hungary	CK-érték	53 mg/m ³
Hungary	Megjegyzések (HU)	i; l.
Ireland	Local name	Butyl acrylate
Ireland	OEL (8 hours ref) (mg/m ³)	11 mg/m ³
Ireland	OEL (8 hours ref) (ppm)	2 ppm
Ireland	OEL (15 min ref) (mg/m ³)	53 mg/m ³
Ireland	OEL (15 min ref) (ppm)	10 ppm
Ireland	Notes (IE)	IOELV
Italy	Local name	Acrilato di n-butile
Italy	OEL TWA (mg/m ³)	11 mg/m ³
Italy	OEL TWA (ppm)	2 ppm
Italy	OEL STEL (mg/m ³)	53 mg/m ³
Italy	OEL STEL (ppm)	10 ppm
Lithuania	Local name	Butilo akrilatas
Lithuania	IPRV (mg/m ³)	11 mg/m ³
Lithuania	IPRV (ppm)	2 ppm
Lithuania	TPRV (mg/m ³)	53 mg/m ³
Lithuania	TPRV (ppm)	10 ppm
Lithuania	Remark (LT)	J
Luxembourg	Local name	Acrylate de n-butyle
Luxembourg	OEL TWA (mg/m ³)	11 mg/m ³
Luxembourg	OEL TWA (ppm)	2 ppm
Luxembourg	OEL STEL (mg/m ³)	53 mg/m ³
Luxembourg	OEL STEL (ppm)	10 ppm
Malta	Local name	n-Butylacrylate
Malta	OEL TWA (mg/m ³)	11 mg/m ³
Malta	OEL TWA (ppm)	2 ppm
Malta	OEL STEL (mg/m ³)	53 mg/m ³
Malta	OEL STEL (ppm)	10 ppm
Netherlands	Local name	n-Butylacrylaat
Netherlands	Grenswaarde TGG 8H (mg/m ³)	11 mg/m ³
Netherlands	Grenswaarde TGG 15MIN (mg/m ³)	53 mg/m ³
Netherlands	Remark (MAC)	C H
Poland	Local name	Akrylan butylu
Poland	NDS (mg/m ³)	11 mg/m ³
Poland	NDSch (mg/m ³)	30 mg/m ³
Portugal	Local name	Acrilato de n-butilo
Portugal	OEL TWA (ppm)	2 ppm
Romania	Local name	Acrilat de n-butil
Romania	OEL TWA (mg/m ³)	11 mg/m ³
Romania	OEL TWA (ppm)	2 ppm
Romania	OEL STEL (mg/m ³)	53 mg/m ³
Romania	OEL STEL (ppm)	10 ppm
Slovenia	Local name	n-butilakrilat
Slovenia	OEL TWA (mg/m ³)	11 mg/m ³
Slovenia	OEL TWA (ppm)	2 ppm
Slovenia	OEL STEL (mg/m ³)	55 mg/m ³
Slovenia	OEL STEL (ppm)	10 ppm
Sweden	Local name	Butyl acrylate

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Sweden	nivågränsvärde (NVG) (mg/m ³)	50 mg/m ³
Sweden	nivågränsvärde (NVG) (ppm)	10 ppm
Sweden	kortidsvärde (KTV) (mg/m ³)	80 mg/m ³
Sweden	kortidsvärde (KTV) (ppm)	15 ppm
United Kingdom	Local name	n-Butyl acrylate
United Kingdom	WEL TWA (mg/m ³)	5 mg/m ³
United Kingdom	WEL TWA (ppm)	1 ppm
United Kingdom	WEL STEL (mg/m ³)	26 mg/m ³
United Kingdom	WEL STEL (ppm)	5 ppm
Iceland	Local name	n- Bútýlakrýlat
Iceland	OEL (8 hours ref) (mg/m ³)	11 mg/m ³
Iceland	OEL (8 hours ref) (ppm)	2 ppm
Iceland	OEL (15 min ref) (mg/m ³)	53 mg/m ³
Iceland	OEL (15 min ref) (ppm)	10 ppm
Iceland	Notes (IS)	O
Norway	Local name	Butylakrylat
Norway	Gjennomsnittsverdier (AN) (mg/m ³)	11 mg/m ³
Norway	Gjennomsnittsverdier (AN) (ppm)	2 ppm
Norway	Merknader (NO)	A
Switzerland	Local name	Acrylate de n-butyle
Switzerland	VME (mg/m ³)	11 mg/m ³
Switzerland	VME (ppm)	2 ppm
Switzerland	VLE (mg/m ³)	22 mg/m ³
Switzerland	VLE (ppm)	4 ppm
Switzerland	Remark (CH)	4x15
Australia	Local name	n-Butyl acrylate
Australia	TWA (mg/m ³)	5 mg/m ³
Australia	TWA (ppm)	1 ppm
Australia	STEL (mg/m ³)	26 mg/m ³
Australia	STEL (ppm)	5 ppm
USA - ACGIH	Local name	n-Butyl acrylate
USA - ACGIH	ACGIH TWA (ppm)	2 ppm
USA - ACGIH	Remark (ACGIH)	Skin, eye, & URT irr; DSEN; A4
toluene (108-88-3)		
Austria	Local name	Toluol
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
Austria	Remark (AT)	H
Belgium	Local name	Toluène
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 (ppm)	100 ppm
Belgium	Remark (BE)	D
Bulgaria	Local name	Толуен•
Bulgaria	OEL TWA (mg/m ³)	192 mg/m ³
Bulgaria	OEL STEL (mg/m ³)	384 mg/m ³
Croatia	Local name	Toluen
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

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toluene (108-88-3)		
Croatia	Naznake (HR)	K, EU**, F, Xn
Czech Republic	Local name	Toluen
Czech Republic	Expoziční limity (PEL) (mg/m ³)	200 mg/m ³
Czech Republic	Expoziční limity (PEL) (ppm)	53 ppm
Czech Republic	Expoziční limity (NPK-P) (mg/m ³)	500 mg/m ³
Czech Republic	Expoziční limity (NPK-P) (ppm)	130 ppm
Czech Republic	Remark (CZ)	D
Denmark	Local name	Toluen (1996)
Denmark	Grænseværdie (langvarig) (mg/m ³)	94 mg/m ³
Denmark	Grænseværdie (langvarig) (ppm)	25 ppm
Denmark	Anmærkninger (DK)	EH
Estonia	Local name	Tolueen (metüülbenseen)
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	Local name	Tolueeni
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	Local name	Toluène
France	VME (mg/m ³)	192 mg/m ³
France	VME (ppm)	50 ppm
France	VLE (mg/m ³)	384 mg/m ³
France	VLE (ppm)	100 ppm
Germany	Local name	Toluol
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	190 mg/m ³
Germany	TRGS 900 Occupational exposure limit value (ppm)	50 ppm
Germany	Remark (TRGS 900)	DFG,EU,H,Y
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	Local name	TOLUOL
Hungary	AK-érték	190 mg/m ³
Hungary	CK-érték	380 mg/m ³
Hungary	Megjegyzések (HU)	b, i; II.2.
Ireland	Local name	Toluene
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
Ireland	Notes (IE)	Sk, IOELV
Italy	Local name	Toluene
Italy	OEL TWA (mg/m ³)	192 mg/m ³
Italy	OEL TWA (ppm)	50 ppm
Lithuania	Local name	Toluenas
Lithuania	IPRV (mg/m ³)	192 mg/m ³

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toluene (108-88-3)		
Lithuania	IPRV (ppm)	50 ppm
Lithuania	TPRV (mg/m ³)	384 mg/m ³
Lithuania	TPRV (ppm)	100 ppm
Lithuania	Remark (LT)	RO
Luxembourg	Local name	Toluène
Luxembourg	OEL TWA (mg/m ³)	192 mg/m ³
Luxembourg	OEL TWA (ppm)	50 ppm
Luxembourg	OEL STEL (mg/m ³)	384 mg/m ³
Luxembourg	OEL STEL (ppm)	100 ppm
Malta	Local name	Toluene
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	Local name	Tolueen
Netherlands	Grenswaarde TGG 8H (mg/m ³)	150 mg/m ³
Netherlands	Grenswaarde TGG 15MIN (mg/m ³)	384 mg/m ³
Poland	Local name	Toluen
Poland	NDS (mg/m ³)	100 mg/m ³
Poland	NDSch (mg/m ³)	200 mg/m ³
Portugal	Local name	Tolueno
Portugal	OEL TWA (ppm)	50 ppm
Romania	Local name	Toluen
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
Slovenia	Local name	toluen
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	Local name	Tolueno
Spain	VLA-ED (mg/m ³)	192 mg/m ³
Spain	VLA-ED (ppm)	50 ppm
Spain	VLA-EC (mg/m ³)	384 mg/m ³
Spain	VLA-EC (ppm)	100 ppm
Spain	Notes	vía dérmica, VLB®, VLI, r
Sweden	Local name	Toluene
Sweden	nivågränsvärde (NVG) (mg/m ³)	200 mg/m ³
Sweden	nivågränsvärde (NVG) (ppm)	50 ppm
Sweden	kortidsvärde (KTV) (mg/m ³)	400 mg/m ³
Sweden	kortidsvärde (KTV) (ppm)	100 ppm
United Kingdom	Local name	Toulene
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
United Kingdom	Remark (WEL)	Sk
Norway	Local name	Toluen
Norway	Gjennomsnittsverdier (AN) (mg/m ³)	94 mg/m ³
Norway	Gjennomsnittsverdier (AN) (ppm)	25 ppm

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toluene (108-88-3)		
Norway	Merknader (NO)	H
Switzerland	Local name	Toluène
Switzerland	VME (mg/m ³)	190 mg/m ³
Switzerland	VME (ppm)	50 ppm
Switzerland	VLE (mg/m ³)	760 mg/m ³
Switzerland	VLE (ppm)	200 ppm
Switzerland	Remark (CH)	4x15
Australia	Local name	Toluene
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
USA - ACGIH	Local name	Toluene
USA - ACGIH	ACGIH TWA (ppm)	20 ppm
USA - ACGIH	Remark (ACGIH)	Visual impair; female repro;
USA - OSHA	Local name	Toluene
USA - OSHA	Remark (OSHA)	(2) See Table Z-2.

8.2. Exposure controls

Personal protective equipment	: Avoid all unnecessary exposure.
Materials for protective clothing	: Impermeable clothing
Hand protection	: Wear protective gloves
Eye protection	: Chemical goggles or safety glasses
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. Air-fed respiratory protective equipment should be worn when this product is sprayed
Other information	: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Colour	: Colourless.
Odour	: aromatic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 27 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Flammable liquid and vapour
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 0.96 - 0.98
Solubility	: insoluble in water. soluble in most organic solvents.
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

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Explosive limits : No data available

9.2. Other information

VOC content : 535 g/l

VOC content - Actual : 535 g/l

VOC content - Regulatory : 535 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Dermal: Harmful in contact with skin. Inhalation: Harmful if inhaled.

ATE CLP (dermal)	1100 mg/kg bodyweight
ATE CLP (gases)	4500 ppmv/4h
ATE CLP (vapours)	11.000 mg/l/4h
ATE CLP (dust,mist)	1.500 mg/l/4h

Skin corrosion/irritation : Causes skin irritation.
Repeated exposure may cause skin dryness or cracking

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

Respiratory or skin sensitisation : May cause an allergic skin reaction.

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

Specific target organ toxicity (single exposure) : May cause respiratory irritation. May cause drowsiness or dizziness.

Specific target organ toxicity (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

Potential adverse human health effects and symptoms : Harmful in contact with skin.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - water : Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

High Solids Euro Clear E9050	
Persistence and degradability	May cause long-term adverse effects in the environment.
Solvent naphtha (petroleum), light arom.,	
Persistence and degradability	May cause long-term adverse effects in the environment.

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12.3. Bioaccumulative potential

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Bioaccumulative potential Not established.

Solvent naphtha (petroleum), light arom.,

Bioaccumulative potential Not established.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Additional information : Avoid release to the environment






SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.
Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to Remove waste in accordance with local and/or national regulations.
Additional information : Handle empty containers with care because residual vapours are flammable.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
1263	1263	1263	1263	1263
14.2. UN proper shipping name				
PAINT	PAINT	Paint	PAINT	PAINT
Transport document description				
UN 1263 PAINT, 3, III, (D/E)	UN 1263 PAINT, 3, III			
14.3. Transport hazard class(es)				
3	3	3	3	3
				
14.4. Packing group				
III	III	III	III	III
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

14.6. Special precautions for user

14.6.1. Overland transport

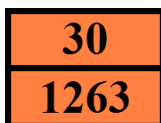
Classification code (ADR) : F1
Special provisions (ADR) : 163, 640E, 650
Limited quantities (ADR) : 5I
Excepted quantities (ADR) : E1
Packing instructions (ADR) : P001, IBC03, LP01, R001
Special packing provisions (ADR) : PP1
Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions (ADR) : T2
Portable tank and bulk container special provisions (ADR) : TP1, TP29
Tank code (ADR) : LGBF
Vehicle for tank carriage : FL
Transport category (ADR) : 3

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Special provisions for carriage - Packages (ADR) : V12
Special provisions for carriage - Operation (ADR) : S2
Hazard identification number (Kemler No.) : 30
Orange plates :



Tunnel restriction code (ADR) : D/E
EAC code : •3YE

14.6.2. Transport by sea

Special provisions (IMDG) : 163, 223, 955
Limited quantities (IMDG) : 5 L
Excepted quantities (IMDG) : E1
Packing instructions (IMDG) : P001, LP01
Special packing provisions (IMDG) : PP1
IBC packing instructions (IMDG) : IBC03
Tank instructions (IMDG) : T2
Tank special provisions (IMDG) : TP1, TP29
EmS-No. (Fire) : F-E
EmS-No. (Spillage) : S-E
Stowage category (IMDG) : A
Properties and observations (IMDG) : Miscibility with water depends upon the composition.

14.6.3. Air transport

PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y344
PCA limited quantity max net quantity (IATA) : 10L
PCA packing instructions (IATA) : 355
PCA max net quantity (IATA) : 60L
CAO packing instructions (IATA) : 366
CAO max net quantity (IATA) : 220L
Special provisions (IATA) : A3, A72
ERG code (IATA) : 3L

14.6.4. Inland waterway transport

Classification code (ADN) : F1
Special provisions (ADN) : 163, 64E, 65
Limited quantities (ADN) : 5 L
Excepted quantities (ADN) : E1
Equipment required (ADN) : PP, EX, A
Ventilation (ADN) : VE01
Number of blue cones/lights (ADN) : 0
Carriage prohibited (ADN) : No
Not subject to ADN : No

14.6.5. Rail transport

Classification code (RID) : F1
Special provisions (RID) : 163, 640E, 650
Limited quantities (RID) : 5L
Excepted quantities (RID) : E1
Packing instructions (RID) : P001, IBC03, LP01, R001
Special packing provisions (RID) : PP1
Mixed packing provisions (RID) : MP19
Portable tank and bulk container instructions (RID) : T2
Portable tank and bulk container special provisions (RID) : TP1, TP29
Tank codes for RID tanks (RID) : LGBF

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Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W12
Colis express (express parcels) (RID)	: CE4
Hazard identification number (RID)	: 30
Carriage prohibited (RID)	: No

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content : 535 g/l

Seveso Information : This product is subject to the Seveso Directive

15.1.2. National regulations

Germany

Water hazard class (WGK) : 3 - severe hazard to waters

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

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:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, category 1
Skin Sens. 1A	Sensitisation — Skin, category 1A
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation

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H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H361d	Suspected of damaging the unborn child
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
R10	Flammable
R11	Highly flammable
R20	Harmful by inhalation
R20/21	Harmful by inhalation and in contact with skin
R36/37	Irritating to eyes and respiratory system
R36/37/38	Irritating to eyes, respiratory system and skin
R37	Irritating to respiratory system
R38	Irritating to skin
R43	May cause sensitisation by skin contact
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R63	Possible risk of harm to the unborn child
R65	Harmful: may cause lung damage if swallowed
R66	Repeated exposure may cause skin dryness or cracking
R67	Vapours may cause drowsiness and dizziness
F	Highly flammable
N	Dangerous for the environment
Xi	Irritant
Xn	Harmful

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.