

Tempil® Aluminized Bloxide® Rust Preventative Coating

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue: 12/07/2013

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Version: 2.0

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

1.1. Product identifier

Product form : Mixture
 Product name. : Tempil® Aluminized Bloxide® Rust Preventative Coating

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

1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use
 Use of the substance/mixture : Coating. Primer.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

LA-CO Industries Europe S.A.S.
 Parc Industriel de la Plaine de
 l'Ain - Allée des Combes.
 01150.BLYES.France.
 Phone: +33 (0)4 74 46 23 23
 Fax: +33 (0)4 74 46 23 29
 E-mail: info@eu.laco.com
 Web: http://www.markal.com



1.4. Emergency telephone number

Emergency number : 24-hour emergency: CHEMTREC
 U.S. : 1-800-424-9300
 International: +1-703-527-3887

EU Member State	Officieel adviesorgaan	Adres	Noodnummer
AUSTRIA	Vergiftungsinformationszentrale (Poisons Information Centre)	Allgemeines Krankenhaus Waehringer Geurtel 18-20 1090 Wien	+43 1 406 43 43
BELARUS	The Belarus Republican Poisons Centre	Kizhevatova str. 58 220115 Minsk	+375 (0)17 201 9158
BELGIUM	Centre Anti-Poisons/Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn 1 B -1120 Bruxelles/Brussel	+32 70 245 245
BULGARIA	Национален токсикологичен информационен център National Clinical Toxicology Centre, Emergency Medical Institute "Pirogov"	21 Totleben Boulevard 1606 SOFIA	+359 2 9154 409
CROATIA	Poisons Control Centre Institute of Medical Research & Occupational Health	Ksaverska Cesta 2 P.O. Box 291 HR-10000 Zagreb	+385 1 234 8342
CZECH REPUBLIC	Toxikologické informační středisko Clinic For Occupational Medicine, 1st Medical Faculty, Charles University	Na Bojišti 1 120 00 Praha 2	+42 2 2491 9293 +42 2 2491 5402
DENMARK	Giflinjen Bispebjerg Hospital	Bispebjerg Bakke 23, 60, 1 DK-2400 København NV	+45 82 12 12 12 +45 35 31 55 55
ESTONIA	Mürgistusteabekeskus	Gonsiori 29 15027 Tallinn	+372 626 93 90
FINLAND	Myrkytystietokeskus	P.O.B 340 (Haartmaninkatu 4) HUS SF - 00029 Helsinki	+358 9 471 977
FRANCE	ORFILA		+33 1 45 42 59 59
GERMANY	Berliner Betrieb für Zentrale Gesundheitliche Aufgaben	Oranienburger Strasse 285 13437 Berlin	+49 30 19240
GERMANY	Informations und Beratungszentrum für Vergiftungsfälle	Kirrberger Straße, Gebäude 9 D-66421 Homburg/Saar	+49 6841 19240
GERMANY	Beratungstelle bei Vergiftungen, Klinische Toxikologie und Beratungsstelle bei Vergiftungen	Langenbeckstrasse 1 55131 Mainz	+49 6131 19240
GREECE	Poisons Information Centre	11527 Athens	+30 10 779 3777
HUNGARY	Országos Kémiai Biztonsági Intézet (National Institute of Chemical Safety) Egészségügyi Toxikológiai Tájékoztató Szolgálat (Health Toxicological Information Service)	1437 Budapest PO Box 839 1097 Budapest, Nagyvárud tér 2	+36 80 20 11 99

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ICELAND	Eitrunarmiðstöðin	Eitrunarmiðstöðin 108 Reykjavík	+354 543 22 22
IRELAND	National Poisons Information Centre	Beaumont Hospital PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2166
LATVIA	Valsts Toksikoloģijas centra Saindēšanās un zāļu informācijas centrs	2 Hipocrate Street LV 1038 Rīga	+371 67 04 24 73
LITHUANIA	Apsinuodijimų kontrolės ir informacijos biuras	Siltnamiu 29 2043 Vilnius	+370 5 236 20 52/+370 687 53 378
MALTA	Medicines & Poisons Info Office	Mater Dei Hospital, Msida MSD 2090 Malta	25450000
NETHERLANDS	Nationaal Vergiftigingen Informatie Centrum National Institute for Public Health and the Environment, NB this service is only available to health professionals	Huispostnummer B.00.118, PO Box 85500 3508 GA Utrecht	+31 30 274 88 88
PORTUGAL	Centro de Informação Antivenenos Instituto Nacional de Emergência Médica (INEM)	Rua Almirante Barroso, 36 1000-013 Lisboa	808 250 143 (for use only in Portugal), +351 21 330 3284
ROMANIA	Biroul pentru Regulamentul Sanitar International si Informare Toxicologica	Str. Dr. Leonte Anastasievici Nr.1-3, Sector 5 50463 Bucuresti	+40 21 318 36 06
SLOVAKIA	Národné toxikologické informačné centrum University Hospital Bratislava	Limbová 5 833 05 Bratislava	+421 2 54 77 4 166
SPAIN	Servicio de Información Toxicológica Instituto Nacional de Toxicología, Departamento de Madrid	Calle Luis Cabrera 9 E-28002 Madrid	+34 91 562 04 20
SWEDEN	Giftinformationscentralen Swedish Poisons Information Centre, Karolinska Hospital	Box 60 500 SE-171 76 Stockholm	+46 8 33 12 31 (International) 112 (National)
SWITZERLAND	Centre Suisse d'Information Toxicologique	Freiestrasse 16 Postfach CH-8028 Zurich	+41 44 251 51 51 (International) 145 (National)

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 (Inhalation:dust,mist)	H332
Skin Irrit. 2	H315
Eye Irrit. 2	H319
Skin Sens. 1	H317
Carc. 1B	H350
Repr. 2	H361
STOT RE 1	H372
Asp. Tox. 1	H304
Aquatic Chronic 3	H412

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC or 1999/45/EC

Carc.Cat.2; R45

F; R11

F; R15

F; R17

Xn; R20/21

Xn; R65

Xi; R38

R52/53

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

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2.2. Label elements

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

Hazard pictograms (CLP) :



GHS02

GHS07

GHS08

Signal word (CLP) :

Danger.

Hazardous ingredients :

formaldehyde, Stoddard solvent, cobalt bis(2-ethylhexanoate), Xylene, ethylbenzene, Solvent naphtha (petroleum), light aliph

Hazard statements (CLP) :

H226 - Flammable liquid and vapour
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H332 - Harmful if inhaled
H350 - May cause cancer
H373 - May cause damage to organs through prolonged or repeated exposure
H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (CLP) :

P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P233 - Keep container tightly closed
P240 - Ground/bond container and receiving equipment
P241 - Use explosion-proof electrical/ventilating/lighting equipment
P260 - Do not breathe mist/vapours/spray
P264 - Wash hands thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P271 - Use only outdoors or in a well-ventilated area
P272 - Contaminated work clothing should not be allowed out of the workplace
P273 - Avoid release to the environment
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P301+P310+P331 - IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting
P303+P352+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash with plenty of water
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P308+P313 - IF exposed or concerned: Get medical advice/attention
P312 - Call a POISON CENTER/doctor if you feel unwell
P321 - Specific treatment (see Section 4 on this label)
P333+P337+P313 - If eye irritation, skin irritation, or rash occurs: Get medical advice/attention
P362+P364 - Take off contaminated clothing and wash it before reuse
P370+P378 - In case of fire: Use carbon dioxide, dry powder, or foam to extinguish
P403+P235 - Store in a cool and well-ventilated place
P405 - Store locked up
P501 - Dispose of contents/container in accordance with local and national regulations

2.3. Other hazards

PBT: not relevant – no registration required

vPvB: not relevant – no registration required

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixture

Components with health hazards present above the applicable thresholds and/or with Exposure Limit values are shown. Exact concentrations withheld as trade secret.

Name	Product identifier	%	Classification according to Directive 67/548/EEC	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	40 – 50	R10 Xn; R20/21 Xi; R38	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315
Solvent naphtha (petroleum), light aliph	(CAS No) 64742-89-8 (EC no) 265-192-2 (EC index no) 649-267-00-0	10 – 25	Xn; R65 (benzene < 0.1%)	Asp. Tox. 1, H304 (benzene < 0.1%)

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Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ethylbenzene	(CAS No) 100-41-4 (EC no) 202-849-4 (EC index no) 601-023-00-4	10 – 15	F; R11 Xn; R20	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation:dust,mist), H332
aluminium powder (pyrophoric)	(CAS No) 7429-90-5 (EC no) 231-072-3 (EC index no) 013-001-00-6	5 – 15	F; R15 F; R17	Pyr. Sol. 1, H250 Water-react. 2, H261
Stoddard solvent	(CAS No) 8052-41-3 (EC no) 232-489-3 (EC index no) 649-345-00-4	1 – 9	Xn; R65 Xn; R48/20 (benzene < 0.1%)	Flam. Liq. 3, H226 STOT RE 1, H372 Asp. Tox. 1, H304 (benzene < 0.1%)
1,3,5-Triazine-2,4,6-triamine, polymer with formaldehyde, butylated	(CAS No) 68002-25-5 (EC no) *614-205-3	1 – 5	Xn; R21/22 R10	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312
1-Butanol	(CAS No) 71-36-3 (EC no) 200-751-6 (EC index no) 603-004-00-6	1 – 2	R10 Xn; R22 Xi; R41 Xi; R37/38 R67	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 STOT SE 3, H335 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H336
cobalt bis(2-ethylhexanoate)	(CAS No) 136-52-7 (EC no) 205-250-6	0.1 – 1	Repr.Cat.3; R62 R43 N; R50/53	Eye Irrit. 2, H319 Skin Sens. 1A, H317 Repr. 2, H361 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
formaldehyde	(CAS No) 50-00-0 (EC no) 200-001-8 (EC index no) 605-001-00-5	0.1 – 1	Carc.Cat.3; R40 T; R23/24/25 C; R34 R43	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:dust,mist), H331 Skin Corr. 1B, H314 Skin Sens. 1, H317 Carc. 1B, H350 STOT SE 3, H335

Name	Product identifier	Specific concentration limits
Xylene	(CAS No) 1330-20-7 (EC no) 215-535-7 (EC index no) 601-022-00-9	(12.5 =< C) Xn;R20/21
formaldehyde	(CAS No) 50-00-0 (EC no) 200-001-8 (EC index no) 605-001-00-5	(0.2 =< C) R43 (5 =< C < 25) Xn;R20/21/22 (5 =< C < 25) Xi; R36/37/38 (25 =< C) T;R23/24/25 (25 =< C) C;R34 (0.2 =< C) Skin Sens. 1, H317 (5 =< C < 25) Skin Irrit. 2, H315 (5 =< C < 25) Eye Irrit. 2, H319 (5 =< C) STOT SE 3, H335 (25 =< C) Skin Corr. 1B, H314

Full text of R-, H- and EUH-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 : If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician.
- First-aid measures after skin contact : Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

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

- Symptoms/injuries : May cause cancer. Causes damage to organs through prolonged or repeated exposure.
- Symptoms/injuries after inhalation : Danger of serious damage to health by prolonged exposure through inhalation. Harmful if inhaled.
- Symptoms/injuries after skin contact : Causes skin irritation. May cause an allergic skin reaction.
- Symptoms/injuries after eye contact : Causes serious eye irritation.
- Symptoms/injuries after ingestion : May be fatal if swallowed and enters airways.

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

All treatments should be based on observed signs and symptoms of distress in the patient.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide.

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.

Hazardous decomposition products in case of fire : Carbon dioxide. Carbon monoxide.

5.3. Advice for firefighters

Precautionary measures fire : Store in dry, cool, well-ventilated area.

Firefighting instructions : Exercise caution when fighting any chemical fire. Do not allow run-off from fire fighting to enter drains or water courses.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Wear fire/flame resistant/retardant clothing. Wear a self contained breathing apparatus. EN 469.

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 naked lights. No smoking. Avoid all eyes and skin contact and do not breathe vapour and mist.

6.1.1. For non-emergency personnel

Protective equipment : Chemical goggles or safety glasses. In case of inadequate ventilation wear respiratory protection. Wear suitable protective clothing and gloves.

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Chemical goggles or safety glasses. Wear suitable protective clothing and gloves. Where excessive vapour, mist, or dust may result, use approved respiratory protection equipment.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Eliminate all ignition sources. Absorb and/or contain spill with inert material, then place in suitable container.

Methods for cleaning up : Wipe up with absorbent material (for example cloth). Large Spills: Dike far ahead of spill for later disposal. Use a non-combustible material like cermiculite, sand, or earth to soak up the product and place into a container for later disposal.

6.4. Reference to other sections

Section 13: disposal information. Section 7: safe handling. Section 8: personal protective equipment.

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 : No naked lights. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. In case of leaking gas fire, eliminate all ignition sources if safe to do so. Do not breathe mist/vapours/spray.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

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/ventilating/lighting equipment.

Storage conditions : Keep container tightly closed, away from open flames, hot surfaces and sources of ignition.

Incompatible products : Strong oxidizing agents. Strong acids. Alkali.

Incompatible materials : Heat sources.

Heat-ignition : Keep away from heat, sparks and flame.

Prohibitions on mixed storage : Keep away from incompatible materials.

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7.3. Specific end use(s)

Coatings. Primer.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

1-Butanol (71-36-3)		
Austria	MAK (mg/m ³)	150 mg/m ³
Austria	MAK (ppm)	50 ppm
Austria	MAK Short time value (mg/m ³)	600 mg/m ³
Austria	MAK Short time value (ppm)	200 ppm
Belgium	Local name	Alcool n-butylique
Belgium	Limit value (mg/m ³)	62 mg/m ³
Belgium	Limit value (ppm)	20 ppm
Belgium	Remark*	D
France	Local name	Alcool n-butylique
France	VLE (mg/m ³)	150 mg/m ³
France	VLE (ppm)	50 ppm
Germany	Local name	Butan-1-ol
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	310 mg/m ³
Germany	TRGS 900 Occupational exposure limit value (ppm)	100 ppm
Germany	Remark (TRGS 900)	DFG, Y
Germany	TRGS 903 (BGW)	2 mg/g Kreatinin 1-Butanol (Urin; vor nachfolgender Schicht) 10 mg/g Kreatinin 1-Butanol (Urin; Expositionsende bzw. Schichtende)
Greece	OEL TWA (mg/m ³)	300 mg/m ³
Greece	OEL TWA (ppm)	100 ppm
Greece	OEL STEL (mg/m ³)	300 mg/m ³
Greece	OEL STEL (ppm)	100 ppm
Italy - Portugal - USA ACGIH	Local name	n-Butanol
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	20 ppm
Italy - Portugal - USA ACGIH	Remark (ACGIH)	Eye & URT irr
Latvia	Local name	Butilspirti(pirmējais, otrējais,trešējais) (n-butanols,
Latvia	OEL TWA (mg/m ³)	10 mg/m ³
Spain	Local name	Alcohol n-butílico
Spain	VLA-ED (ppm)	20 ppm
Spain	VLA-EC (mg/m ³)	154 mg/m ³
Spain	VLA-EC (ppm)	50 ppm
Spain	Notes	vía dérmica,
Switzerland	Local name	n-Butanol
Switzerland	VLE (mg/m ³)	150 mg/m ³
Switzerland	VLE (ppm)	50 ppm
Switzerland	VME (mg/m ³)	150 mg/m ³
Switzerland	VME (ppm)	50 ppm
Switzerland	Remark (CH)	15 min
United Kingdom	Local name	Butan-1-ol
United Kingdom	WEL STEL (mg/m ³)	154 mg/m ³
United Kingdom	WEL STEL (ppm)	50 ppm
United Kingdom	Remark (WEL)	Sk
Czech Republic	Local name	Butanol (všechny isomery)
Czech Republic	Expoziční limity (PEL) (mg/m ³)	300 mg/m ³
Czech Republic	Expoziční limity (PEL) (ppm)	100 ppm
Czech Republic	Expoziční limity (NPK-P) (mg/m ³)	600 mg/m ³
Czech Republic	Expoziční limity (NPK-P) (ppm)	200 ppm
Czech Republic	Remark (CZ)	D
Denmark	Local name	Butanol, alle isomere
Denmark	Grænseværdie (langvarig) (mg/m ³)	150 mg/m ³
Denmark	Grænseværdie (langvarig) (ppm)	50 ppm

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1-Butanol (71-36-3)		
Denmark	Anmærkninger (DK)	LH
Finland	Local name	n-Butanoli
Finland	HTP-arvo (8h) (mg/m ³)	150 mg/m ³
Finland	HTP-arvo (8h) (ppm)	50 ppm
Finland	HTP-arvo (15 min)	230 mg/m ³
Finland	HTP-arvo (15 min) (ppm)	75 ppm
Finland	Huomautus (FI)	iho
Hungary	Local name	n-BUTIL-ALKOHOL
Hungary	AK-érték	45 mg/m ³
Hungary	CK-érték	90 mg/m ³
Hungary	Megjegyzések (HU)	b, i
Ireland	Local name	Butan-1-ol
Ireland	OEL (8 hours ref) (ppm)	20 ppm
Ireland	Notes (IE)	Sk
Lithuania	Local name	n-butanolis (n-butילו alkoholis)
Lithuania	IPRV (mg/m ³)	45 mg/m ³
Lithuania	IPRV (ppm)	15 ppm
Lithuania	NRV (mg/m ³)	90 mg/m ³
Lithuania	NRV (ppm)	30 ppm
Lithuania	Remark (LT)	Ū O
Norway	Local name	Butan-1-ol
Norway	Gjennomsnittsverdier (AN) (mg/m ³)	75 mg/m ³
Norway	Gjennomsnittsverdier (AN) (ppm)	25 ppm
Norway	Gjennomsnittsverdier (Takverdi) (mg/m ³)	75 mg/m ³
Norway	Gjennomsnittsverdier (Takverdi) (ppm)	25 ppm
Norway	Merknader (NO)	H T
Poland	Local name	Butan-1-ol (n-butylowy alkohol)
Poland	NDS (mg/m ³)	50 mg/m ³
Poland	NDSch (mg/m ³)	150 mg/m ³
Romania	Local name	Alcool butilic
Romania	OEL TWA (mg/m ³)	100 mg/m ³
Romania	OEL TWA (ppm)	33 ppm
Romania	OEL STEL (mg/m ³)	200 mg/m ³
Romania	OEL STEL (ppm)	66 ppm
Slovakia	NPHV (priemerná) (mg/m ³)	310 mg/m ³ krátkodobý: kategória I.
Slovakia	NPHV (priemerná) (ppm)	100 ppm krátkodobý: kategória I. 2 ppm (M,d) 10 ppm (M,b)
Sweden	Local name	n-Butanol
Sweden	nivågränsvärde (NVG) (mg/m ³)	45 mg/m ³
Sweden	nivågränsvärde (NVG) (ppm)	15 ppm
Sweden	takgränsvärde (TGV) (mg/m ³)	90 mg/m ³
Sweden	takgränsvärde (TGV) (ppm)	30 ppm
Sweden	Anmärkning (SE)	H
Portugal	Local name	n-Butanol (Álcool n-butílico)
Portugal	OEL TWA (ppm)	20 ppm
Croatia	Local name	Butan-1-ol; (n-butanol)
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m ³)	154 mg/m ³
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	50 ppm

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1-Butanol (71-36-3)		
Croatia	Naznake (HR)	K; Xn

formaldehyde (50-00-0)		
Austria	Local name	Formaldehyde
Austria	MAK (mg/m ³)	0.6 mg/m ³
Austria	MAK (ppm)	0.5 ppm
Austria	MAK Short time value (mg/m ³)	0.6 mg/m ³
Austria	MAK Short time value (ppm)	0.5 ppm
Austria	Remark (AT)	(gemessen als Momentanwert), (H,Sh,III B)
Belgium	Local name	Aldéhyde formique
Belgium	Short time value (mg/m ³)	0.38 mg/m ³
Belgium	Short time value (ppm)	0.3 ppm
Belgium	Remark*	M
Bulgaria	Local name	Формалдехид
Bulgaria	OEL TWA (mg/m ³)	1 mg/m ³
Bulgaria	OEL STEL (mg/m ³)	2 mg/m ³
France	Local name	Aldéhyde formique
France	VLE (ppm)	1 ppm
France	VME (ppm)	0.5 ppm
Greece	OEL TWA (mg/m ³)	2.5 mg/m ³
Greece	OEL TWA (ppm)	2 ppm
Greece	OEL STEL (mg/m ³)	2.5 mg/m ³
Greece	OEL STEL (ppm)	2 ppm
Italy - Portugal - USA ACGIH	Local name	Formaldehyde
Italy - Portugal - USA ACGIH	ACGIH Ceiling (mg/m ³)	0.37 mg/m ³
Italy - Portugal - USA ACGIH	ACGIH Ceiling (ppm)	0.3 ppm
Italy - Portugal - USA ACGIH	Remark (ACGIH)	URT & eye irr
Latvia	Local name	Formaldehīds (metanāls)
Latvia	OEL TWA (mg/m ³)	0.5 mg/m ³
Spain	VLA-EC (mg/m ³)	0.37 mg/m ³
Spain	VLA-EC (ppm)	0.3 ppm
Spain	Notes	vía dérmica,TR1B
Switzerland	Local name	Formaldéhyde
Switzerland	VLE (mg/m ³)	0.74 mg/m ³
Switzerland	VLE (ppm)	0.6 ppm
Switzerland	VME (mg/m ³)	0.37 mg/m ³
Switzerland	VME (ppm)	0.3 ppm
Switzerland	Remark (CH)	4x15
The Netherlands	Local name	Formaldehyde
The Netherlands	MAC TGG 8H (mg/m ³)	0.15 mg/m ³
The Netherlands	MAC TGG 15MIN (mg/m ³)	0.5 mg/m ³
United Kingdom	Local name	Formaldehyde
United Kingdom	WEL TWA (mg/m ³)	2.5 mg/m ³
United Kingdom	WEL TWA (ppm)	2 ppm
United Kingdom	WEL STEL (mg/m ³)	2.5 mg/m ³
United Kingdom	WEL STEL (ppm)	2 ppm
Czech Republic	Local name	Formaldehyd
Czech Republic	Expoziční limity (PEL) (mg/m ³)	0.5 mg/m ³
Czech Republic	Expoziční limity (PEL) (ppm)	0.407 ppm
Czech Republic	Expoziční limity (NPK-P) (mg/m ³)	1 mg/m ³
Czech Republic	Expoziční limity (NPK-P) (ppm)	0.814 ppm
Czech Republic	Remark (CZ)	I,S
Denmark	Local name	Formaldehyd
Denmark	Grænseværdie (langvarig) (mg/m ³)	0.4 mg/m ³
Denmark	Grænseværdie (langvarig) (ppm)	0.3 ppm
Denmark	Anmærkninger (DK)	LK

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formaldehyde (50-00-0)		
Finland	Local name	Formaldehydi
Finland	HTP-arvo (8h) (mg/m3)	0.37 mg/m ³
Finland	HTP-arvo (8h) (ppm)	0.3 ppm
Finland	HTP-arvo (15 min)	1.2 mg/m ³
Finland	HTP-arvo (15 min) (ppm)	1 ppm
Hungary	Local name	FORMALDEHID
Hungary	AK-érték	0.6 mg/m ³
Hungary	CK-érték	0.6 mg/m ³
Hungary	Megjegyzések (HU)	b, m, sz; VI.
Ireland	Local name	Formaldehyde
Ireland	OEL (8 hours ref) (mg/m3)	2.5 mg/m ³
Ireland	OEL (8 hours ref) (ppm)	2 ppm
Ireland	OEL (15 min ref) (mg/m3)	2.5 mg/m ³
Ireland	OEL (15 min ref) (ppm)	2 ppm
Lithuania	Local name	Formaldehidas
Lithuania	IPRV (mg/m3)	0.6 mg/m ³
Lithuania	IPRV (ppm)	0.5 ppm
Lithuania	NRV (mg/m3)	1 mg/m ³
Lithuania	NRV (ppm)	1.2 ppm
Lithuania	Remark (LT)	Ū J K
Norway	Gjennomsnittsverdier (AN) (mg/m3)	0.6 mg/m ³
Norway	Gjennomsnittsverdier (AN) (ppm)	0.5 ppm
Norway	Gjennomsnittsverdier (Takverdi) (mg/m3)	1.2 mg/m ³
Norway	Gjennomsnittsverdier (Takverdi) (ppm)	1 ppm
Norway	Merknader (NO)	A, K
Poland	Local name	Formaldehyd
Poland	NDS (mg/m3)	0.5 mg/m ³
Poland	NDSch (mg/m3)	1 mg/m ³
Romania	Local name	Formaldehida
Romania	OEL TWA (mg/m ³)	1.20 mg/m ³
Romania	OEL TWA (ppm)	1 ppm
Romania	OEL STEL (mg/m ³)	3 mg/m ³
Romania	OEL STEL (ppm)	2 ppm
Slovakia	NPHV (priemerná) (mg/m3)	0.37 mg/m ³
Slovakia	NPHV (priemerná) (ppm)	0.3 ppm
Slovakia	Upozornenie (SK)	(S)
Sweden	Local name	Formaldehyde
Sweden	nivågränsvärde (NVG) (mg/m3)	0.37 mg/m ³
Sweden	nivågränsvärde (NVG) (ppm)	0.3 ppm
Sweden	takgränsvärde (TGV) (mg/m3)	0.74 mg/m ³
Sweden	takgränsvärde (TGV) (ppm)	0.6 ppm
Sweden	Anmärkning (SE)	(C,H,S,M)
Portugal	Local name	Formaldeído
Portugal	OEL - Ceilings (ppm)	0.3 ppm
Croatia	Local name	Formaldehid
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	2.5 mg/m ³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	2 ppm
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m ³)	2.5 mg/m ³

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formaldehyde (50-00-0)		
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	2 ppm
Croatia	Naznake (HR)	T

Stoddard solvent (8052-41-3)		
Austria	Local name	White spirits
Belgium	Local name	White-spirit
Belgium	Limit value (mg/m ³)	533 mg/m ³
Belgium	Limit value (ppm)	100 ppm
Greece	OEL TWA (mg/m ³)	575 mg/m ³
Greece	OEL TWA (ppm)	100 ppm
Greece	OEL STEL (mg/m ³)	720 mg/m ³
Greece	OEL STEL (ppm)	125 ppm
Italy - Portugal - USA ACGIH	Local name	Stoddard solvent
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m ³)	572 mg/m ³
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	100 ppm
Italy - Portugal - USA ACGIH	Remark (ACGIH)	Eye, skin, & kidney dam;
Denmark	Local name	Terpentin, mineralsk, max. 20 pct. aromater (1994)
Denmark	Grænseværdie (langvarig) (mg/m ³)	145 mg/m ³
Denmark	Grænseværdie (langvarig) (ppm)	25 ppm
Denmark	Grænseværdie (kortvarig) (mg/m ³)	290 mg/m ³
Denmark	Grænseværdie (kortvarig) (ppm)	50 ppm
Denmark	Anmærkninger (DK)	(Terpentin, mineralsk, max. 20 pct. aromater; 2)
Ireland	Local name	Stoddard solvent
Ireland	OEL (8 hours ref) (mg/m ³)	573 mg/m ³
Ireland	OEL (8 hours ref) (ppm)	100 ppm
Poland	Local name	Benzyna do lakierów
Poland	NDS (mg/m ³)	300 mg/m ³
Poland	NDSch (mg/m ³)	900 mg/m ³
Portugal	Local name	White Spirit
Portugal	OEL TWA (ppm)	100 ppm

aluminium powder (pyrophoric) (7429-90-5)		
Austria	MAK (mg/m ³)	10 mg/m ³
Austria	MAK Short time value (mg/m ³)	20 mg/m ³
Belgium	Limit value (mg/m ³)	1 mg/m ³
Belgium	Remark*	(Aluminium, métal et composés insolubles, fraction alvéolaire)
Bulgaria	Local name	Алуминий (неорганични разтворими съединения) (като алуминий)
Bulgaria	OEL TWA (mg/m ³)	2 mg/m ³
France	VME (mg/m ³)	5 mg/m ³ (pulvérulent) 10 mg/m ³ (metal)
Germany	TRGS 903 (BGW)	200 µg/l
Germany	Remark (TRGS 903)	Aluminium (Urin; Expositionsende bzw. Schichtende)
Italy - Portugal - USA ACGIH	Local name	Aluminum metal
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m ³)	1 mg/m ³
Italy - Portugal - USA ACGIH	Remark (ACGIH)	Pneumoconiosis; LRT irr
Latvia	Local name	Alumīnijsuntā sakausējumi(pēc alumīnija)
Latvia	OEL TWA (mg/m ³)	2 mg/m ³
Spain	VLA-ED (mg/m ³)	10 mg/m ³ (inhalable aerosol) 5 mg/m ³ (respirable aerosol)
Switzerland	VME (mg/m ³)	3 mg/m ³
Switzerland	Remark (CH)	(alveolengängiger Staub)
The Netherlands	MAC TGG 8H (mg/m ³)	10 mg/m ³
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ (inhalable dust) 4 mg/m ³ (respirable dust)

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aluminium powder (pyrophoric) (7429-90-5)		
Denmark	Local name	Aluminium, pulver og støv, total (2005)
Denmark	Grænseværdie (langvarig) (mg/m ³)	5 mg/m ³
Denmark	Grænseværdie (kortvarig) (mg/m ³)	4 mg/m ³ (respirabel) 10 mg/m ³ (total)
Finland	HTP-arvo (8h) (mg/m ³)	2 mg/m ³
Finland	Huomautus (FI)	(Alumiini, liukoiset yhdisteet)
Hungary	Local name	ALUMÍNIUM, FÉM
Hungary	AK-érték	6 mg/m ³
Hungary	Megjegyzések (HU)	(respirábilis por)
Ireland	OEL (8 hours ref) (mg/m ³)	1 mg/m ³
Ireland	Notes (IE)	(respirable dust)
Lithuania	IPRV (mg/m ³)	2 mg/m ³ (alveoline frakcija) 1 mg/m ³ (Aluminis (metalas) ir jo tirpus junginiai, kaip Al) 5 mg/m ³ (ákvepiamoji frakcija)
Norway	Local name	Aluminiumpulver (pyroteknikk)
Norway	Gjennomsnittsverdier (AN) (mg/m ³)	5 mg/m ³
Norway	Merknader (NO)	(Aluminiumpulver, pyroteknikk)
Poland	NDS (mg/m ³)	2.5 mg/m ³ (dymy, pyl calkowity) 1.2 mg/m ³ (dymy, pyl respirabilny)
Slovakia	NPHV (priemerná) (mg/m ³)	2 mg/m ³
Slovakia	NPHV (priemerná) (ppm)	60 µg/g Kreatinin (Hlinik, M,a) 25 µg/g Kreatinin (Celkový, M,,d) 150 µg/g Kreatinin (Celkový,M,b)
Sweden	nivågränsvärde (NVG) (mg/m ³)	1 mg/m ³ (Aluminium, lösliga föreningar, som Al) 5 mg/m ³ (totaldamm, som Al) 2 mg/m ³ (respirabelt damm, som Al)
Portugal	Local name	Alumínio e compostos, expresso em Al Poeiras metálicas Pós de pirólise Sais solúveis (PSOC) Compostos alquílicos
Portugal	OEL TWA (mg/m ³)	10 mg/m ³
Croatia	Local name	Aluminij
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	10 mg/m ³ inhalable dust 4 mg/m ³ respirable dust

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	Notation	Skin
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*	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
France	Local name	Xylène, isomères mixtes, purs
France	VLE (mg/m ³)	442 mg/m ³

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Xylene (1330-20-7)		
France	VLE (ppm)	100 ppm
France	VME (mg/m ³)	221 mg/m ³
France	VME (ppm)	50 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
Italy - Portugal - USA ACGIH	Local name	Xylene
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m ³)	434 mg/m ³
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	100 ppm
Italy - Portugal - USA ACGIH	ACGIH STEL (mg/m ³)	651 mg/m ³
Italy - Portugal - USA ACGIH	ACGIH STEL (ppm)	150 ppm
Italy - Portugal - USA ACGIH	Remark (ACGIH)	URT & eye irr; CNS impair
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
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	via dérmica, VLB®, VLI
Switzerland	Local name	Xylène (tous les isomères)
Switzerland	VLE (mg/m ³)	870 mg/m ³
Switzerland	VLE (ppm)	200 ppm
Switzerland	VME (mg/m ³)	435 mg/m ³
Switzerland	VME (ppm)	100 ppm
Switzerland	Remark (CH)	4x15
The Netherlands	Local name	Xyleen, o-, m-, p-isomeren
The Netherlands	MAC TGG 8H (mg/m ³)	210 mg/m ³
The Netherlands	MAC TGG 8H (ppm)	50 ppm
The Netherlands	MAC TGG 15MIN (mg/m ³)	442 mg/m ³
The Netherlands	Remark (MAC)	H
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
Czech Republic	Local name	Xylen technická směs isomerů (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
Denmark	Local name	Xylen, alle isomere (1996)
Denmark	Grænseværdie (langvarig) (mg/m ³)	109 mg/m ³
Denmark	Grænseværdie (langvarig) (ppm)	25 ppm
Denmark	Grænseværdie (kortvarig) (mg/m ³)	218 mg/m ³

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Xylene (1330-20-7)		
Denmark	Grænseværdie (kortvarig) (ppm)	50 ppm
Denmark	Anmærkninger (DK)	EH
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
Finland	Huomautus (FI)	iho
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
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
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
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
Poland	Local name	Ksylen mieszanina izomerów: 1,2-; 1,3-; 1,4-
Poland	NDS (mg/m ³)	100 mg/m ³
Poland	NDSch (mg/m ³)	350 mg/m ³
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
Slovakia	NPHV (priemerná) (mg/m ³)	221 mg/m ³ (K)
Slovakia	NPHV (priemerná) (ppm)	50 ppm (K) 1.5 ppm (Xylén) 2000 ppm (Suma kyselín 2,3,4-metylhippurových)
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

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Xylene (1330-20-7)		
Sweden	Anmärkning (SE)	(H)
Portugal	Local name	Xileno (isómeros)
Portugal	OEL TWA (ppm)	100 ppm
Portugal	OEL STEL (ppm)	150 ppm
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

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	Notation	Skin
Austria	Local name	Ethyl benzene
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*	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
France	VLE (mg/m ³)	442 mg/m ³
France	VLE (ppm)	100 ppm
France	VME (mg/m ³)	88.4 mg/m ³
France	VME (ppm)	20 ppm
France	Note (FR)	Peau
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
Germany	TRGS 903 (BGW)	1 mg/l Ethylbenzol (Blut; Expositionsende bzw. Schichtende) 800 mg/l Mandelsäure + Phenylglyoxylsäure (Urin; Expositionsende bzw. Schichtende)
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
Italy - Portugal - USA ACGIH	Local name	Ethyl benzene
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m ³)	434 mg/m ³
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	20 ppm
Italy - Portugal - USA ACGIH	ACGIH STEL (mg/m ³)	543 mg/m ³
Italy - Portugal - USA ACGIH	ACGIH STEL (ppm)	125 ppm
Italy - Portugal - USA ACGIH	Remark (ACGIH)	URT irr; kidney dam (nephropathy)
Italy	Local name	Etilbenzene
Italy	OEL TWA (mg/m ³)	442 mg/m ³

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ethylbenzene (100-41-4)		
Italy	OEL TWA (ppm)	100 ppm
Italy	OEL STEL (mg/m ³)	884 mg/m ³
Italy	OEL STEL (ppm)	200 ppm
Spain	VLA-ED (mg/m ³)	441 mg/m ³ vía dérmica, VLB, VLI
Spain	VLA-ED (ppm)	100 ppm vía dérmica, VLB, VLI 700 ppm I, S "(Suma del ácido mandélico y el ácido fenilgloxílico en orina; Final de la semana laboral 1)"
Spain	VLA-EC (mg/m ³)	884 mg/m ³ vía dérmica, VLB, VLI
Spain	VLA-EC (ppm)	200 ppm vía dérmica, VLB, VLI
Switzerland	Local name	Ethylbenzène
Switzerland	VLE (mg/m ³)	435 mg/m ³
Switzerland	VLE (ppm)	100 ppm
Switzerland	VME (mg/m ³)	435 mg/m ³
Switzerland	VME (ppm)	100 ppm
Switzerland	Remark (CH)	15 min
The Netherlands	Local name	Ethylbenzeen
The Netherlands	MAC TGG 8H (mg/m ³)	215 mg/m ³
The Netherlands	MAC TGG 15MIN (mg/m ³)	430 mg/m ³
The Netherlands	Remark (MAC)	H
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
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	Grænseværdie (kortvarig) (mg/m ³)	434 mg/m ³
Denmark	Grænseværdie (kortvarig) (ppm)	100 ppm
Denmark	Anmærkninger (DK)	EK
Finland	Local name	Etyylibentseeni
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
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

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ethylbenzene (100-41-4)		
Lithuania	Local name	Etilbenzenas
Lithuania	IPRV (mg/m ³)	442 mg/m ³
Lithuania	IPRV (ppm)	100 ppm
Lithuania	TPRV (mg/m ³)	884 mg/m ³
Lithuania	TPRV (ppm)	200 ppm
Lithuania	Remark (LT)	O
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
Norway	Local name	Etylbenzen
Norway	Gjennomsnittsverdier (AN) (mg/m ³)	20 mg/m ³
Norway	Gjennomsnittsverdier (AN) (ppm)	5 ppm
Norway	Merknader (NO)	H K
Poland	Local name	Etylobenzen
Poland	NDS (mg/m ³)	200 mg/m ³
Poland	NDSch (mg/m ³)	400 mg/m ³
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
Slovakia	NPHV (priemerná) (mg/m ³)	442 mg/m ³ (K)
Slovakia	NPHV (priemerná) (ppm)	100 ppm (K) 12 ppm (2 - a 4 -Etylfenol) 1600 ppm (Kyselina mandlová a kyselina fenylglyoxylová)
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
Portugal	Local name	Etilbenzeno
Portugal	OEL TWA (ppm)	100 ppm
Portugal	OEL STEL (ppm)	125 ppm
Croatia	Local name	Etilbenzen
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	442 mg/m ³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	100 ppm
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

8.2. Exposure controls

Appropriate engineering controls	: Avoid creating mist or spray. Either local exhaust or general room ventilation is usually required. Avoid splashing.
Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: Wear suitable gloves resistant to chemical penetration. Impermeable protective nitrile gloves. EN 374.
Eye protection	: In case of splashing or aerosol production: protective goggles. EN 166.
Skin and body protection	: Wear suitable protective clothing. Impervious clothing. EN 702.
Respiratory protection	: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. Use an approved respirator equipped with oil/mist cartridges. EN 12083.
Consumer exposure controls	: Avoid contact during pregnancy/while nursing.

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Other information : Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear liquid.
Colour	: Silver.
Odour	: Solvent.
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	: 115 - 140 °C
Flash point	: 26.7 °C
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Flammable liquid and vapour
Vapour pressure	: 8 mm Hg
Relative vapour density at 20 °C	: No data available
Specific gravity	: 0.918
Solubility	: insoluble in water.
Log Pow	: No data available
Viscosity, kinematic	: < 10 mm ² /s @ 40 °C
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: 1 - 7 vol %

9.2. Other information

VOC content : 686 g/L

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Open flame. Overheating. Direct sunlight. Heat. Sparks.

10.5. Incompatible materials

Strong oxidizers. Strong acids. Alkali.

10.6. Hazardous decomposition products

May release flammable gases. Carbon oxides (CO, CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Harmful if inhaled.

Tempil® Aluminized Bloxide® Rust Preventative Coating	
ATE (dust,mist)	1.500 mg/l/4h
1-Butanol (71-36-3)	
ATE (oral)	500.000 mg/kg bodyweight
formaldehyde (50-00-0)	
LC50 inhalation rat (ppm)	31.7 ppm
ATE (oral)	100.000 mg/kg bodyweight

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formaldehyde (50-00-0)	
ATE (dermal)	300.000 mg/kg bodyweight
ATE (dust,mist)	0.500 mg/l/4h

1,3,5-Triazine-2,4,6-triamine, polymer with formaldehyde, butylated (68002-25-5)	
LD50 oral rat	> 1100 mg/kg
LD50 dermal rabbit	1800 mg/kg
LC50 inhalation rat (mg/l)	> 6 mg/l/4h
ATE (dermal)	1800.000 mg/kg bodyweight

Stoddard solvent (8052-41-3)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 10 mg/l/4h

aluminium powder (pyrophoric) (7429-90-5)	
LD50 oral rat	> 15900 mg/kg bodyweight
LC50 inhalation rat (Dust/Mist - mg/l/4h)	> 10 mg/l/4h

cobalt bis(2-ethylhexanoate) (136-52-7)	
LD50 oral rat	3129 (1750 - 5000) mg/l
LD50 dermal rat	> 2000 mg/kg

Xylene (1330-20-7)	
LD50 oral rat	> 3500 mg/kg
ATE (dermal)	1100.000 mg/kg bodyweight
ATE (dust,mist)	1.500 mg/l/4h

ethylbenzene (100-41-4)	
LD50 oral rat	3500 mg/kg
LD50 dermal rabbit	17.8 ml/kg
LC50 inhalation rat (ppm)	< 1500 ppm
ATE (oral)	3500.000 mg/kg bodyweight
ATE (dust,mist)	1.500 mg/l/4h

Solvent naphtha (petroleum), light aliph (64742-89-8)	
LD50 oral rat	> 5000 mg/kg No mortality observed
LD50 dermal rabbit	> 2000 mg/kg No mortality observed
LC50 inhalation rat (mg/l)	> 7630 mg/m ³ No mortality observed

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
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	: May cause cancer.

Solvent naphtha (petroleum), light aliph (64742-89-8)	
NOAEL (chronic,oral, animal/male,2 years)	0.05 mg/kg bodyweight mL

Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (single exposure)	: Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (repeated exposure)	: May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1. Toxicity

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

formaldehyde (50-00-0)	
LC50 fishes 1	31.8 (21.1 - 47.7) mg/l 96 h
EC50 Daphnia 1	1.9 mg/l 48 h

cobalt bis(2-ethylhexanoate) (136-52-7)	
LC50 fishes 1	275 mg/l 96 h
EC50 Daphnia 1	0.441 mg/l 48 h
LOEC (chronic)	0.43 mg/l 34 days read-across cobalt dichloride

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cobalt bis(2-ethylhexanoate) (136-52-7)	
NOEC (chronic)	0.21 mg/l 34 days read-across cobalt dichloride
ethylbenzene (100-41-4)	
LC50 fishes 1	5.1 mg/l
EC50 other aquatic organisms 1	7.7 mg/l
NOEC (acute)	3.3 mg/l
Solvent naphtha (petroleum), light aliph (64742-89-8)	
LC50 fishes 1	8.2 mg/l 96 h, pimephales promelas
EC50 Daphnia 1	4.5 mg/l 48 h

12.2. Persistence and degradability

Tempil® Aluminized Bloxide® Rust Preventative Coating	
Persistence and degradability	May cause long-term adverse effects in the environment.
formaldehyde (50-00-0)	
Persistence and degradability	Readily biodegradable.
cobalt bis(2-ethylhexanoate) (136-52-7)	
Persistence and degradability	Readily biodegradable.
ethylbenzene (100-41-4)	
Persistence and degradability	Not established.
Solvent naphtha (petroleum), light aliph (64742-89-8)	
Persistence and degradability	Readily biodegradable.
Biodegradation	77.05 % 28 d

12.3. Bioaccumulative potential

formaldehyde (50-00-0)	
BCF fish 1	< 1
Log Pow	0.35
cobalt bis(2-ethylhexanoate) (136-52-7)	
BCF fish 1	2300 (2300 - 3900)
Xylene (1330-20-7)	
BCF fish 1	1.3 mg/l
Bioaccumulative potential	Not expected to bioaccumulate.
ethylbenzene (100-41-4)	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Tempil® Aluminized Bloxide® Rust Preventative Coating	
PBT: not relevant – no registration required	
vPvB: not relevant – no registration required	

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Sewage disposal recommendations	: Do not dispose of waste into sewer.
Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Additional information	: Handle empty containers with care because residual vapours are flammable.
Ecology - waste materials	: Hazardous waste due to toxicity.
EURLW code	: For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used. 20 01 27* - paint, inks, adhesives and resins containing dangerous substances

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H code	: H13 - 'Sensitizing': substances and preparations which, if they are inhaled or if they penetrate the skin, are capable of eliciting a reaction of hypersensitization such that on further exposure to the substance or preparation, characteristic adverse effects are produced. H14 - 'Ecotoxic': waste which presents or may present immediate or delayed risks for one or more sectors of the environment. H3-B - 'Flammable': liquid substances and preparations having a flash point equal to or greater than 21 °C and less than or equal to 55 °C. H4 - 'Irritant': non-corrosive substances and preparations which, through immediate, prolonged or repeated contact with the skin or mucous membrane, can cause inflammation. H5 - 'Harmful': substances and preparations which, if they are inhaled or ingested or if they penetrate the skin, may involve limited health risks. H7 - 'Carcinogenic': substances and preparations which, if they are inhaled or ingested or if they penetrate the skin, may induce cancer or increase its incidence.
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SECTION 14: Transport information

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

14.1. UN number

UN-No.	: 1263
UN-No.(IATA)	: 1263
UN-No. (IMDG)	: 1263
UN-No.(ADN)	: 1263

14.2. UN proper shipping name

Proper Shipping Name	: PAINT
Proper Shipping Name (IATA)	: PAINT
Proper Shipping Name (IMDG)	: PAINT
Proper Shipping Name (ADN)	: PAINT
Transport document description	: UN 1263 PAINT, 3, III, (D/E)

14.3. Transport hazard class(es)

Class (UN)	: 3
Classification code (UN)	: F1
Class (IATA)	: 3
Class (IMDG)	: 3
Class (ADN)	: 3
Classification code (ADN)	: F1

14.4. Packing group

Packing group (UN)	: III
Packing group (IATA)	: III
Packing group (IMDG)	: III
Packing group (ADN)	: III

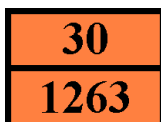
14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

14.6.1. Overland transport

Hazard identification number (Kemler No.)	: 30
Classification code (UN)	: F1
Orange plates	:



Tunnel restriction code	: D/E
EAC code	: •3YE

14.6.2. Transport by sea

EmS-No. (Fire)	: F-E
EmS-No. (Spillage)	: S-E
Stowage category (IMDG)	: A

14.6.3. Air transport

Special provision (IATA)	: A3, A72
ERG code (IATA)	: 3L

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14.6.4. Inland waterway transport

Carriage prohibited (ADN) : 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

No REACH Annex XVII restrictions

Contains no REACH candidate substance

VOC content : 686 g/L

15.1.2. National regulations

Germany

Water hazard class (WGK) : 3 - strongly hazardous to water

WGK remark : Classification based on the R-phrases in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS)

Storage class (LGK) : LGK 3 - Flammable liquids

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

GHS classification information. Revised sections: 1 - 16.

Data sources

: ACGIH 2000.

Canadian Centre for Occupational Health and Safety. Accessed at:
http://www.ccohs.ca/oshanswers/legisl/whmis_classifi.html.

ESIS (European chemical Substances Information System; accessed at:
<http://esis.jrc.ec.europa.eu/index.php?PGM=cla>.

European Chemicals Agency (ECHA) Registered Substances list. Accessed at
<http://echa.europa.eu/>. Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition.

National Fire Protection Association; Fire Protection Guide to Hazardous Materials; 10th edition.
OSHA 29CFR 1910.1200 Hazard Communication Standard.

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.

TSCA Chemical Substance Inventory. Accessed at
<http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html>.

Abbreviations and acronyms

: ACGIH (American Conference of Government Industrial Hygienists).

ATE: Acute Toxicity Estimate.

CAS (Chemical Abstracts Service) number.

CLP: Classification, Labelling, Packaging.

EC50: Environmental Concentration associated with a response by 50% of the test population.

GHS: Globally Harmonized System (of Classification and Labeling of Chemicals).

LD50: Lethal Dose for 50% of the test population.

OSHA: Occupational Safety & Health Administration.

PBT: Persistent, Bioaccumulative, Toxic.

PNEC: Predicted No Effect Level.

STEL: Short Term Exposure Limits.

TSCA: Toxic Substances Control Act.

TWA: Time Weight Average.

Other information

: None.

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

Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3

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Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) 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 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Asp. Tox. 1	Aspiration hazard Category 1
Carc. 1B	Carcinogenicity Category 1B
Eye Dam. 1	Serious eye damage/eye irritation 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
Pyr. Sol. 1	Pyrophoric solids Category 1
Repr. 2	Reproductive toxicity Category 2
Skin Corr. 1B	skin corrosion/irritation Category 1B
Skin Irrit. 2	skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitisation Category 1
Skin Sens. 1A	Skin sensitisation Category 1A
STOT RE 1	Specific target organ toxicity (repeated exposure) Category 1
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
Water-react. 2	Substances and mixtures which in contact with water emit flammable gases Category 2
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H250	Catches fire spontaneously if exposed to air
H261	In contact with water releases flammable gas
H301	Toxic if swallowed
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H311	Toxic in contact with skin
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H331	Toxic if inhaled
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H350	May cause cancer
H361	Suspected of damaging fertility or the unborn child
H372	Causes damage to organs through prolonged or repeated exposure
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
H412	Harmful to aquatic life with long lasting effects
R10	Flammable.
R11	Highly flammable.
R15	Contact with water liberates extremely flammable gases.
R17	Spontaneously flammable in air.
R20	Harmful by inhalation.
R20/21	Harmful by inhalation and in contact with skin.
R21/22	Harmful in contact with skin and if swallowed.
R22	Harmful if swallowed.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R34	Causes burns.
R37/38	Irritating to respiratory system and skin.
R38	Irritating to skin.

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R40	Limited evidence of a carcinogenic effect.
R41	Risk of serious damage to eyes.
R43	May cause sensitisation by skin contact.
R45	May cause cancer.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R50/53	Very 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.
R62	Possible risk of impaired fertility.
R65	Harmful: may cause lung damage if swallowed.
R67	Vapours may cause drowsiness and dizziness.
C	Corrosive
F	Highly flammable
N	Dangerous for the environment
T	Toxic
Xi	Irritant
Xn	Harmful.

Tempil® Aluminized Bloxide® Rust Preventative Coating classification determination

Acute Tox. 4 (Inhalation:dust,mist)	<input type="checkbox"/> On basis of test data	<input checked="" type="checkbox"/> Calculation method
Aquatic Chronic 3	<input type="checkbox"/> On basis of test data	<input checked="" type="checkbox"/> Calculation method
Asp. Tox. 1	<input type="checkbox"/> On basis of test data	<input checked="" type="checkbox"/> Calculation method
Carc. 1B	<input type="checkbox"/> On basis of test data	<input checked="" type="checkbox"/> Calculation method
Eye Irrit. 2	<input type="checkbox"/> On basis of test data	<input checked="" type="checkbox"/> Calculation method
Flam. Liq. 3	<input checked="" type="checkbox"/> On basis of test data	<input type="checkbox"/> Calculation method
Repr. 2	<input type="checkbox"/> On basis of test data	<input checked="" type="checkbox"/> Calculation method
Skin Irrit. 2	<input type="checkbox"/> On basis of test data	<input checked="" type="checkbox"/> Calculation method
Skin Sens. 1	<input type="checkbox"/> On basis of test data	<input checked="" type="checkbox"/> Calculation method
STOT RE 1	<input type="checkbox"/> On basis of test data	<input checked="" type="checkbox"/> Calculation method

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LA-CO EU CLP SDS

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.