Diesel Reference Fuel U-30

Version 1.11 Revision Date 2017-05-15

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

Product information

Product Name : Diesel Reference Fuel U-30
Material : 1108915, 1024281, 1024280, 1032195, 1024277, 1024279, 1024278

EC-No.Registration number

Chemical name	CAS-No. EC-No. Index No.	Legal Entity Registration number
Aromatic hydrocarbons, C9-11	70693-06-0 274-759-3	Chevron Phillips Chemicals International NV Pre-Registered
Light Aromatic Solvent Naphtha	64742-95-6 265-199-0 649-356-00-4	Chevron Phillips Chemicals International NV 01-2119486773-24-0001
Light Cycle Oil	64741-59-9 265-060-4 649-435-00-3	Chevron Phillips Chemicals International NV 01-2119489734-23-0015

Company : Chevron Phillips Chemical Company LP
Specialty Chemicals
10001 Six Pines Drive
The Woodlands, TX 77380

Local : Chevron Phillips Chemicals International N.V.
Airport Plaza (Stockholm Building)
Leonardo Da Vincilaan 19
1831 Diegem
Belgium

SDS Requests: (800) 852-5530
Technical Information: (832) 813-4862
Responsible Party: Product Safety Group
Email:sds@cpchem.com

Emergency telephone:

Health:
866.442.9628 (North America)

1.832.813.4984 (International)
Transport:
CHEMTREC 800.424.9300 or 703.527.3887(int'l)
Asia: CHEMWATCH (+612 9186 1132)
EUROPE: BIG +32.14.584545 (phone) or +32.14583516 (telefax)
Mexico CHEMTREC 01-800-681-9531 (24 hours)
South America SOS-Cotec Inside Brazil: 0800.111.767 Outside Brazil: +55.19.3467.1600

Responsible Department	:	Product Safety and Toxicology Group
E-mail address	:	SDS@CPChem.com
Website	:	www.CPChem.com

SECTION 2: Hazards identification

Classification of the substance or mixture
REGULATION (EC) No 1272/2008

Flammable liquids, Category 3	H226: Flammable liquid and vapor.
Skin irritation, Category 2	H315: Causes skin irritation.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Germ cell mutagenicity, Category 1B	H340: May cause genetic defects.
Carcinogenicity, Category 1B	H350: May cause cancer.
Specific target organ systemic toxicity - single exposure, Category 1	H370: Causes damage to organs.
Specific target organ systemic toxicity - single exposure, Category 3, Respiratory system	H335: May cause respiratory irritation.
Specific target organ systemic toxicity - repeated exposure, Category 2	H373: May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard, Category 1	H304: May be fatal if swallowed and enters airways.
Acute aquatic toxicity, Category 1	H400: Very toxic to aquatic life.
Chronic aquatic toxicity, Category 2	H411: Toxic to aquatic life with long lasting effects.

Label elements

Labeling (REGULATION (EC) No 1272/2008)

Hazard pictograms :

Signal Word : Danger

Hazard Statements	: H226	Flammable liquid and vapor.
	H304	May be fatal if swallowed and enters airways.
	H315	Causes skin irritation.
	H319	Causes serious eye irritation.
	H335	May cause respiratory irritation.

	H340	May cause genetic defects.
	H350	May cause cancer.
	H370	Causes damage to organs.
	H373	May cause damage to organs through prolonged or repeated exposure.
	H410	Very toxic to aquatic life with long lasting effects.

Precautionary Statements :

Prevention:	
P201	Obtain special instructions before use.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe dust/fume/gas/mist/vapor/spray.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response:	
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P308 + P311	IF exposed or concerned: Call a POISON CENTER/doctor.
P331	Do NOT induce vomiting.
P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Hazardous ingredients which must be listed on the label:

- 64742-47-8 Distillates (petroleum), Hydrotreated light
- 64742-95-6 Light Aromatic Solvent Naphtha
- 64742-94-5 Solvent Naphtha (Petroleum), Heavy Aromatic
- 95-63-6 1,2,4-Trimethylbenzene
- 100-41-4 Ethylbenzene

Additional Labeling:

Restricted to professional users.

SECTION 3: Composition/information on ingredients

Synonyms : Diesel Reference Fuel U

Molecular formula : Mixture

Mixtures

Hazardous ingredients

Chemical name	CAS-No. EC-No. Index No.	Classification (REGULATION (EC) No 1272/2008)	Concentration [wt%]
Distillates (petroleum), Hydrotreated light	**64742-47-8** **265-149-8** 649-422-00-2	Skin Irrit. 2; H315 Asp. Tox. 1; H304 Aquatic Chronic 2; H411	100
Aromatic hydrocarbons, C9-11	70693-06-0 274-759-3	Asp. Tox. 1; H304 Flam. Liq. 3; H226	30 - 50

Light Aromatic Solvent Naphtha	64742-95-6 265-199-0 649-356-00-4	Skin Irrit. 2; H315 Muta. 1B; H340 Carc. 1B; H350 Asp. Tox. 1; H304 Aquatic Chronic 2; H411	20 - 30
Solvent Naphtha (Petroleum), Heavy Aromatic	64742-94-5 265-198-5 649-424-00-3	Skin Irrit. 2; H315 2; H315 Asp. Tox. 1; H304 STOT SE 1; H400 Aquatic Chronic 2; H411 Aquatic Chronic 3; H336	20 - 30
1,2,4-Trimethylbenzene	95-63-6 202-436-9 601-043-00-3	Flam. Liq. 3; H226 Flam. Liq. 3; H226 Asp. Tox. 1; H304 Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 Asp. Tox. 1; H304 Aquatic Chronic 2; H411	10 - 20
Ethylbenzene	100-41-4 202-849-4 601-023-00-4	Flam. Liq. 2; H225 Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 STOT RE 2; H373 Asp. Tox. 1; H304 Aquatic Chronic 3; H412	10 - 20
Light Cycle Oil	64741-59-9 265-060-4 649-435-00-3	Acute Tox. 4; H332 Skin Irrit. 2; H315 Carc. 1B; H350 STOT RE 2; H373 Asp. Tox. 1; H304 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	10 - 20
Benzene, dimethyl-	1330-20-7 215-535-7 601-022-00-9	Flam. Liq. 3; H226 Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit. 2; H315 STOT SE 3; H335 STOT RE 2; H373 Asp. Tox. 1; H304 Aquatic Chronic 2; H411	1 - 10
1,3,5-Trimethylbenzene	108-67-8 203-604-4 601-025-00-5	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 Asp. Tox. 1; H304 Aquatic Chronic 2; H411	1 - 5
1,2,3-trimethylbenzene	526-73-8 208-394-8		1 - 10

Cumene	98-82-8 202-704-5 601-024-00-X	Flam. Liq. 3; H226 Acute Tox. 4; H302 Skin Irrit. 2; H315 STOT SE 3; H335 Asp. Tox. 1; H304 Aquatic Chronic 2; H411	1 - 10
Naphthalene	91-20-3 202-049-5 601-052-00-2	Flam. Sol. 2; H228 Acute Tox. 4; H302 Carc. 2; H351 STOT RE 1; H372 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	0,1 - 0,5

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

General advice : Move out of dangerous area. Show this material safety data sheet to the doctor in attendance. Material may produce a serious, potentially fatal pneumonia if swallowed or vomited.

If inhaled : If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.

In case of skin contact : If skin irritation persists, call a physician. If on skin, rinse well with water. If on clothes, remove clothes.

In case of eye contact : Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.

SECTION 5: Firefighting measures

Flash point : 44,9 °C (112,8 °F)
Method: Tag closed cup

Autoignition temperature : No data available

Suitable extinguishing media : Alcohol-resistant foam. Carbon dioxide (CO2). Dry chemical.

Unsuitable extinguishing media : High volume water jet.

Specific hazards during fire fighting : Do not allow run-off from fire fighting to enter drains or water courses.

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments. Use a water spray to cool fully closed containers.
Fire and explosion protection	:	Do not spray on an open flame or any other incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Keep away from open flames, hot surfaces and sources of ignition.
Hazardous decomposition products	:	Carbon oxides.

SECTION 6: Accidental release measures

Personal precautions	:	Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.
Environmental precautions	:	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods for cleaning up	:	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

SECTION 7: Handling and storage

Handling

Advice on safe handling	:	Avoid formation of aerosol. Do not breathe vapors/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure. Dispose of rinse water in accordance with local and national regulations.
Advice on protection against fire and explosion	:	Do not spray on an open flame or any other incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Keep away from open flames, hot surfaces and sources of ignition.

Storage

Requirements for storage areas and containers	:	No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

SECTION 8: Exposure controls/personal protection

Ingredients with workplace control parameters

SK

Zložka	Podstata	Hodnota	Kontrolné parametre	Poznámka
Distillates (petroleum), Hydrotreated light	SK OEL	NPEL priemerný	50 ppm, 300 mg/m3	1),
	SK OEL	NPEL krátkodobý	100 ppm, 600 mg/m3	1),
	SK OEL	NPEL priemerný	5 ppm, 1 mg/m3	2),
	SK OEL	NPEL krátkodobý	15 ppm, 3 mg/m3	2),
	SK OEL	NPEL krátkodobý	15 ppm, 3 mg/m3	2), kvapalný aerosól
	SK OEL	NPEL priemerný	5 ppm, 1 mg/m3	2), kvapalný aerosól
	SK OEL	NPEL priemerný	5 ppm, 1 mg/m3	2), Dymy
	SK OEL	NPEL krátkodobý	15 ppm, 3 mg/m3	2), Dymy
1,2,4-Trimethylbenzene	SK OEL	NPEL priemerný	20 ppm, 100 mg/m3	
Ethylbenzene	SK OEL	NPEL priemerný	100 ppm, 442 mg/m3	K,
	SK OEL	NPEL krátkodobý	200 ppm, 884 mg/m3	K,
o-xylene	SK OEL	NPEL priemerný	50 ppm, 221 mg/m3	K,
	SK OEL	NPEL krátkodobý	100 ppm, 442 mg/m3	K,
Benzene, dimethyl-	SK OEL	NPEL priemerný	50 ppm, 221 mg/m3	K,
	SK OEL	NPEL krátkodobý	100 ppm, 442 mg/m3	K,
1,2,3-trimethylbenzene	SK OEL	NPEL priemerný	20 ppm, 100 mg/m3	
1,3,5-Trimethylbenzene	SK OEL	NPEL priemerný	20 ppm, 100 mg/m3	
p-xylene	SK OEL	NPEL priemerný	50 ppm, 221 mg/m3	K,
	SK OEL	NPEL krátkodobý	100 ppm, 442 mg/m3	K,
m-xylene	SK OEL	NPEL priemerný	50 ppm, 221 mg/m3	K,
	SK OEL	NPEL krátkodobý	100 ppm, 442 mg/m3	K,
Cumene	SK OEL	NPEL priemerný	20 ppm, 100 mg/m3	K,
	SK OEL	NPEL krátkodobý	50 ppm, 250 mg/m3	K,
Naphthalene	SK OEL	NPEL priemerný	10 ppm, 50 mg/m3	K,
	SK OEL	NPEL krátkodobý	15 ppm, 80 mg/m3	K,

1) Toxicita (karcinogenita) závisí od obsahu aromatických uhľovodíkov (benzén, toluén, xylén, etylbenzén, kumén). Limit je stanovený pre lakový benzín, ktorého obsah karcinogénneho benzénu nie je vyšší ako 0,2 obj. % (0,1 hmot. %).
2) Limit sa vzťahuje na hydraulické a obrábacie kvapaliny a mazivá. Niektoré oleje môžu obsahovať polycyklické aromatické uhľovodíky a pri zahrievaní ich môžu uvoľňovať. Treba to brať do úvahy pri meraní a hodnotení rizika
K Znamená, ze faktor môže byť l'ahko absorbovaný kožou. Niektoré faktory, ktoré l'ahko prenikajú kožou, môžu spôsobovať až smrtel'né otravy, éasto bez varovných príznakov (napr. anilín, nitrobenzén, nitroglykol, fenoly a pod.). Pri látkach s významným prienikom cez kožu, éi už v podobe kvapalín alebo pár, je osobitne dôležité zabránit' kožnému kontaktu.

SI

Sestavine	Osnova	Vrednost	Parametri nadzora	Pripomba
1,2,4-Trimethylbenzene	SI OEL	MV	20 ppm, 100 mg/m3	EU*,
Ethylbenzene	SI OEL	MV	100 ppm, 442 mg/m3	EU*, K, BAT,
o-xylene	SI OEL	MV	50 ppm, 221 mg/m3	EU*, K, BAT,
Benzene, dimethyl-	SI OEL	MV	50 ppm, 221 mg/m3	EU*, K, BAT,
1,2,3-trimethylbenzene	SI OEL	MV	20 ppm, 100 mg/m3	EU*,
1,3,5-Trimethylbenzene	SI OEL	MV	20 ppm, 100 mg/m3	EU*,
p-xylene	SI OEL	MV	50 ppm, 221 mg/m3	EU*, K, BAT,
m-xylene	SI OEL	MV	50 ppm, 221 mg/m3	EU*, K, BAT,
Cumene	SI OEL	MV	20 ppm, 100 mg/m3	EU*, K,
Naphthalene	SI OEL	MV	10 ppm, 50 mg/m3	EU,

BAT Biološka mejna vrednost - določena je biološka mejna vrednost, ki pomeni opozorilno raven nevarne kemične snovi in njenih metabolitov v tkivih, telesnih tekočinah ali izdihanem zraku, ne glede na to, ali je nevarna kemična snov vnesena v organizem z vdihavanjem, zaužitjem ali skozi kožo.
EU Mejna vrednost, določena z Direktivo Komisije z dne 29. maja 1991 o določitvi indikativne mejne vrednosti v skladu z Direktivo Sveta 80/1107/EGS o varovanju delavcev pred tveganjem zaradi izpostavljenosti kemičnim, fizikalnim in biološkim dejavnikom pri delu (UL L, št. 177, z dne 5. julija 1991, str. 22).
EU* Mejna vrednost, določena z Direktivo Komisije 2000/39/ES z dne 8. junija 2000 o določitvi prvega seznama indikativnih mejnih vrednosti za poklicno izpostavljenost pri izvajanju Direktive Sveta 98/24/ES o varovanju zdravja in zagotavljanju varnosti delavcev pred tveganjem zaradi izpostavljenosti kemičnim dejavnikom pri delu (UL L, št. 142, z dne 16. junija 2000, str. 47).
K Lastnost lažjega prehajanja snovi v organizem skozi kožo

SE

Beståndsdelar	Grundval	Värde	Kontrollparametrar	Anmärkning
1,2,4-Trimethylbenzene	SE AFS	NGV	25 ppm, 120 mg/m3	V,

	SE AFS	KTV	35 ppm, 170 mg/m3	V,
Ethylbenzene	SE AFS	NGV	50 ppm, 220 mg/m3	H,
	SE AFS	KTV	200 ppm, 884 mg/m3	H,
Benzene, dimethyl-	SE AFS	NGV	50 ppm, 200 mg/m3	H,
	SE AFS	KTV	100 ppm, 450 mg/m3	H,
	SE AFS	NGV	50 ppm, 221 mg/m3	H,
	SE AFS	KTV	100 ppm, 442 mg/m3	H,
Naphthalene	SE AFS	NGV	10 ppm, 50 mg/m3	V,
	SE AFS	KTV	15 ppm, 80 mg/m3	V,
1,3,5-Trimethylbenzene	SE AFS	NGV	25 ppm, 120 mg/m3	V,
	SE AFS	KTV	35 ppm, 170 mg/m3	V,
1,2,3-trimethylbenzene	SE AFS	NGV	25 ppm, 120 mg/m3	V,
	SE AFS	KTV	35 ppm, 170 mg/m3	V,
Cumene	SE AFS	NGV	25 ppm, 120 mg/m3	H,
	SE AFS	KTV	50 ppm, 250 mg/m3	H,

H Ämnet kan lätt upptas genom huden.
V Vägledande korttidsgränsvärde ska användas som ett rekommenderat högsta värde som inte bör överskridas

RU

Компоненты	Основа	Величина	Параметры контроля	Заметка
Distillates (petroleum), Hydrotreated light	RU OEL	ПДК	100 mg/m3	4, пары и/или газы
	RU OEL	ПДК разовая	300 mg/m3	4, пары и/или газы
1,2,4-Trimethylbenzene	RU OEL	ПДК	10 mg/m3	3, пары и/или газы
	RU OEL	ПДК разовая	30 mg/m3	3, пары и/или газы
Ethylbenzene	RU OEL	ПДК	50 mg/m3	4, пары и/или газы
	RU OEL	ПДК разовая	150 mg/m3	4, пары и/или газы
Benzene, dimethyl-	RU OEL	ПДК	50 mg/m3	3, пары и/или газы
	RU OEL	ПДК разовая	150 mg/m3	3, пары и/или газы
1,3,5-Trimethylbenzene	RU OEL	ПДК	10 mg/m3	3, пары и/или газы
	RU OEL	ПДК разовая	30 mg/m3	3, пары и/или газы
Cumene	RU OEL	ПДК	50 mg/m3	4, пары и/или газы
	RU OEL	ПДК разовая	150 mg/m3	4, пары и/или газы
Naphthalene	RU OEL	ПДК разовая	20 mg/m3	4, пары и/или газы

3 3 класс - опасные
4 4 класс - умеренно опасные

RS

Компоненты	Основа	Величина	Параметры контроля	Заметка
1,2,4-Trimethylbenzene	RS OEL	GVI	20 ppm, 100 mg/m3	EU*,
Ethylbenzene	RS OEL	GVI	100 ppm, 442 mg/m3	K, EU*,
	RS OEL	KGVI	200 ppm, 884 mg/m3	K, EU*,
o-xylene	RS OEL	GVI	50 ppm, 221 mg/m3	K, EU*,
	RS OEL	KGVI	100 ppm, 442 mg/m3	K, EU*,
Benzene, dimethyl-	RS OEL	GVI	50 ppm, 221 mg/m3	K, EU*,
	RS OEL	KGVI	100 ppm, 442 mg/m3	K, EU*,
1,2,3-trimethylbenzene	RS OEL	GVI	20 ppm, 100 mg/m3	EU*,
1,3,5-Trimethylbenzene	RS OEL	GVI	20 ppm, 100 mg/m3	EU*,
p-xylene	RS OEL	GVI	50 ppm, 221 mg/m3	K, EU*,
	RS OEL	KGVI	100 ppm, 442 mg/m3	K, EU*,
m-xylene	RS OEL	GVI	50 ppm, 221 mg/m3	K, EU*,
	RS OEL	KGVI	100 ppm, 442 mg/m3	K, EU*,
Cumene	RS OEL	GVI	20 ppm, 100 mg/m3	K, EU*,
	RS OEL	KGVI	50 ppm, 250 mg/m3	K, EU*,
Naphthalene	RS OEL	GVI	10 ppm, 50 mg/m3	Carc. cat. 3, EU,

Carc. cat. 3 Chemical substances that cause concern about possible carcinogenic effects for humans
EU Substance mentioned in indicative exposure limit values in Directive 91/322 / EEC
EU* Substance mentioned in indicative exposure limit values in Directive 2000/39 / EC (first list)
K This chemical substance can adversely affect the skin.

RO

Componente	Bază	Valoare	Parametri de control	Notă
Distillates (petroleum), Hydrotreated light	RO OEL	TWA	5 mg/m3	
	RO OEL	STEL	10 mg/m3	
Light Aromatic Solvent Naphtha	RO OEL	TWA	700 mg/m3	
	RO OEL	STEL	1.000 mg/m3	
Solvent Naphtha (Petroleum), Heavy Aromatic	RO OEL	TWA	700 mg/m3	
	RO OEL	STEL	1.000 mg/m3	
1,2,4-Trimethylbenzene	RO OEL	TWA	20 ppm, 100 mg/m3	
Ethylbenzene	RO OEL	TWA	100 ppm, 442 mg/m3	P,
	RO OEL	STEL	200 ppm, 884 mg/m3	P,
Benzene, dimethyl-	RO OEL	TWA	50 ppm, 221 mg/m3	P,
	RO OEL	STEL	100 ppm, 442 mg/m3	P,

1,2,3-trimethylbenzene	RO OEL	TWA	20 ppm, 100 mg/m3	
1,3,5-Trimethylbenzene	RO OEL	TWA	20 ppm, 100 mg/m3	
Cumene	RO OEL	TWA	20 ppm, 100 mg/m3	
	RO OEL	STEL	30 ppm, 150 mg/m3	
Naphthalene	RO OEL	TWA	9,5 ppm, 50 mg/m3	

P Substanţele cu indicativul P (piele) pot pătrunde în organism prin pielea sau mucoasele intacte. Indicativul P nu se referă la substanţele care au numai o acţiune locală de tip iritativ.

PT

Componentes	Bases	Valor	Parâmetros de controlo	Nota
1,2,4-Trimethylbenzene	PT DL 305/2007	oito horas	20 ppm, 100 mg/m3	
	PT OEL	VLE-MP	25 ppm,	(1), afeção do SNC,
Ethylbenzene	PT OEL	VLE-MP	20 ppm,	(1), A3, IBE, irritação do TRS,
	PT DL 305/2007	oito horas	100 ppm, 442 mg/m3	Cutânea,
	PT DL 305/2007	curta duração	200 ppm, 884 mg/m3	Cutânea,
Benzene, dimethyl-	PT OEL	VLE-MP	100 ppm,	(1), A4, IBE, irritação do TRS, afeção do SNC,
	PT OEL	VLE_CD	150 ppm,	(1), A4, IBE, irritação do TRS, afeção do SNC,
	PT OEL	VLE-MP	100 ppm,	(1), A4, IBE, irritação do TRS, afeção do SNC,
	PT OEL	VLE_CD	150 ppm,	(1), A4, IBE, irritação do TRS, afeção do SNC,
	PT DL 305/2007	oito horas	50 ppm, 221 mg/m3	Cutânea,
	PT DL 305/2007	curta duração	100 ppm, 442 mg/m3	Cutânea,
Naphthalene	PT OEL	VLE-MP	10 ppm,	(1), P, A3, irritação do TRS,
	PT DL 305/2007	oito horas	10 ppm, 50 mg/m3	
1,3,5-Trimethylbenzene	PT DL 305/2007	oito horas	20 ppm, 100 mg/m3	
	PT OEL	VLE-MP	25 ppm,	(1), afeção do SNC,
1,2,3-trimethylbenzene	PT DL 305/2007	oito horas	20 ppm, 100 mg/m3	
	PT OEL	VLE-MP	25 ppm,	(1), afeção do SNC,
Cumene	PT OEL	VLE-MP	50 ppm,	(1), irritação do TRS, afeção do SNC,
	PT DL 305/2007	oito horas	20 ppm, 100 mg/m3	Cutânea,
	PT DL 305/2007	curta duração	50 ppm, 250 mg/m3	Cutânea,

(1) Abrangido por legislação nacional específica ou por legislação comunitária não transposta
A3 Agente carcinogénico confirmado nos animais de laboratório com relevância desconhecida no Homem.
A4 Agente não classificável como carcinogénico no Homem.
afeção do SNC afeção do sistema nervoso central
Cutânea Uma notação cutânea atribuída ao valor limite de exposição profissional assinala a possibilidade de absorção significativa através de pele.
IBE Identifica substâncias para as quais existem índices de exposição biológicos. Estes podem ser de dois tipos: IBE A referentes a pesticidas inibidores da acetilcolinesterase e IBE M indutores de metahemoglobina.
irritação do TRS irritação do trato respiratório superior
P Perigo de absorção cutânea

PL

Składniki	Podstawa	Wartość	Parametry dotyczące kontroli	Uwaga
1,2,4-Trimethylbenzene	PL NDS	NDS	100 mg/m3	
	PL NDS	NDSch	170 mg/m3	
Ethylbenzene	PL NDS	NDS	200 mg/m3	
	PL NDS	NDSch	400 mg/m3	
Benzene, dimethyl-	PL NDS	NDS	100 mg/m3	
Naphthalene	PL NDS	NDS	20 mg/m3	
	PL NDS	NDSch	50 mg/m3	
1,3,5-Trimethylbenzene	PL NDS	NDS	100 mg/m3	
	PL NDS	NDSch	170 mg/m3	
1,2,3-trimethylbenzene	PL NDS	NDS	100 mg/m3	
	PL NDS	NDSch	170 mg/m3	
Cumene	PL NDS	NDS	100 mg/m3	
	PL NDS	NDSch	250 mg/m3	

NO

Komponenter	Grunnlag	Verdi	Kontrollparametrer	Nota
Distillates (petroleum), Hydrotreated light	FOR-2011-12-06-1358	TWA	50 ppm, 275 mg/m3	
	FOR-2011-12-06-1358	TWA	40 ppm, 275 mg/m3	
	FOR-2011-12-06-1358	TWA	50 mg/m3	Damp
	FOR-2011-12-06-1358	TWA	1 mg/m3	Tåke - partikler
Light Aromatic Solvent Naphtha	FOR-2011-12-06-1358	TWA	25 ppm, 120 mg/m3	

Solvent Naphtha (Petroleum), Heavy Aromatic	FOR-2011-12-06-1358	TWA	25 ppm, 120 mg/m3	
1,2,4-Trimethylbenzene	FOR-2011-12-06-1358	TWA	20 ppm, 100 mg/m3	
	FOR-2011-12-06-1358	TWA	20 ppm, 100 mg/m3	E,
Ethylbenzene	FOR-2011-12-06-1358	TWA	5 ppm, 20 mg/m3	E, K, H,
Benzene, dimethyl-	FOR-2011-12-06-1358	TWA	25 ppm, 108 mg/m3	E, H,
Naphthalene	FOR-2011-12-06-1358	TWA	10 ppm, 50 mg/m3	E,
1,3,5-Trimethylbenzene	FOR-2011-12-06-1358	TWA	20 ppm, 100 mg/m3	
	FOR-2011-12-06-1358	TWA	20 ppm, 100 mg/m3	E,
1,2,3-trimethylbenzene	FOR-2011-12-06-1358	TWA	20 ppm, 100 mg/m3	
	FOR-2011-12-06-1358	TWA	20 ppm, 100 mg/m3	E,
Cumene	FOR-2011-12-06-1358	TWA	20 ppm, 100 mg/m3	E, K, H,
	FOR-2011-12-06-1358	STEL	50 ppm, 250 mg/m3	S, E, K, H,

E EU har en veiledende grenseverdi for stoffet
H En del av stoffene kan i stor grad trenge gjennom huden selv om denne er uskadet, og således tas opp i kroppen.
K Stoffer som skal betraktes som kreftfremkallende
S Korttidsverdi er en verdi for gjennomsnittskonsentrasjonen av et kjemisk stoff i pustesonen til en arbeidstaker som ikke skal overskrides i en fastsatt referanseperiode. Referanseperioden er 15 minutter hvis ikke annet er oppgitt.

NL

Bestanddelen	Basis	Waarde	Controleparameters	Opmerking
Distillates (petroleum), Hydrotreated light	NL WG	TGG-8 uur	5 mg/m3	
	NL WG	TGG-8 uur	5 mg/m3	Nevels
1,2,4-Trimethylbenzene	NL WG	TGG-8 uur	100 mg/m3	
	NL WG	TGG-15 min	200 mg/m3	
Ethylbenzene	NL WG	TGG-8 uur	215 mg/m3	H,
	NL WG	TGG-15 min	430 mg/m3	H,
o-xylene	NL WG	TGG-8 uur	210 mg/m3	H,
	NL WG	TGG-15 min	442 mg/m3	H,
Benzene, dimethyl-	NL WG	TGG-8 uur	210 mg/m3	H,
	NL WG	TGG-15 min	442 mg/m3	H,
1,2,3-trimethylbenzene	NL WG	TGG-8 uur	100 mg/m3	
	NL WG	TGG-15 min	200 mg/m3	
1,3,5-Trimethylbenzene	NL WG	TGG-8 uur	100 mg/m3	
	NL WG	TGG-15 min	200 mg/m3	
p-xylene	NL WG	TGG-8 uur	210 mg/m3	H,
	NL WG	TGG-15 min	442 mg/m3	H,
m-xylene	NL WG	TGG-8 uur	210 mg/m3	H,
	NL WG	TGG-15 min	442 mg/m3	H,
Cumene	NL WG	TGG-8 uur	100 mg/m3	H,
	NL WG	TGG-15 min	250 mg/m3	H,
Naphthalene	NL WG	TGG-8 uur	50 mg/m3	
	NL WG	TGG-15 min	80 mg/m3	

H Huidopname

MT

Ingredients	Basis	Value	Control parameters	Note
1,2,4-Trimethylbenzene	MT OEL	TWA	20 ppm, 100 mg/m3	
Ethylbenzene	MT OEL	TWA	100 ppm, 442 mg/m3	Skin,
	MT OEL	STEL	200 ppm, 884 mg/m3	Skin,
o-xylene	MT OEL	TWA	50 ppm, 221 mg/m3	Skin,
	MT OEL	STEL	100 ppm, 442 mg/m3	Skin,
Benzene, dimethyl-	MT OEL	TWA	50 ppm, 221 mg/m3	Skin,
	MT OEL	STEL	100 ppm, 442 mg/m3	Skin,
1,2,3-trimethylbenzene	MT OEL	TWA	20 ppm, 100 mg/m3	
1,3,5-Trimethylbenzene	MT OEL	TWA	20 ppm, 100 mg/m3	
p-xylene	MT OEL	TWA	50 ppm, 221 mg/m3	Skin,
	MT OEL	STEL	100 ppm, 442 mg/m3	Skin,
m-xylene	MT OEL	TWA	50 ppm, 221 mg/m3	Skin,
	MT OEL	STEL	100 ppm, 442 mg/m3	Skin,
Cumene	MT OEL	TWA	20 ppm, 100 mg/m3	Skin,
	MT OEL	STEL	50 ppm, 250 mg/m3	Skin,
Naphthalene	MT OEL	TWA	10 ppm, 50 mg/m3	

Skin A skin notation assigned to the OEL identifies the possibility of significant uptake through the skin.

MK

Съставки	Основа	Стойност	Параметри на контрол	Бележка
1,2,4-Trimethylbenzene	MK OEL	MV	20 ppm, 100 mg/m3	EU,
Ethylbenzene	MK OEL	MV	100 ppm, 442 mg/m3	BAT, EU, K,
o-xylene	MK OEL	MV	50 ppm, 221 mg/m3	BAT, EU, K,
Benzene, dimethyl-	MK OEL	MV	50 ppm, 221 mg/m3	BAT, EU, K,
1,2,3-trimethylbenzene	MK OEL	MV	20 ppm, 100 mg/m3	EU,
1,3,5-Trimethylbenzene	MK OEL	MV	20 ppm, 100 mg/m3	EU,
p-xylene	MK OEL	MV	50 ppm, 221 mg/m3	BAT, EU, K,
m-xylene	MK OEL	MV	50 ppm, 221 mg/m3	BAT, EU, K,
Cumene	MK OEL	MV	20 ppm, 100 mg/m3	EU, K,
Naphthalene	MK OEL	MV	10 ppm, 50 mg/m3	EU,

BAT Biological limit value - the biological limit value is set, which means a warning level of dangerous chemical substance and its metabolites in the cell tissues, body liquids or expired air, not depending on the route of entering the body, inhalation, oral or dermal

EU European Union - limit (threshold) value set at the level of European Union
K The properties of easier transport of substances into organism through (via) the skin

LV

Sastāvdaļas	Bāze	Vērtība	Pārvaldības parametri	Piezīme
1,2,4-Trimethylbenzene	LV OEL	AER 8 st	20 ppm, 100 mg/m3	
Ethylbenzene	LV OEL	AER 8 st	100 ppm, 442 mg/m3	Āda,
	LV OEL	AER īslaicīgā	200 ppm, 884 mg/m3	Āda,
Benzene, dimethyl-	LV OEL	AER 8 st	50 ppm, 221 mg/m3	Āda,
	LV OEL	AER īslaicīgā	100 ppm, 442 mg/m3	Āda,
Naphthalene	LV OEL	AER 8 st	10 ppm, 50 mg/m3	
1,3,5-Trimethylbenzene	LV OEL	AER 8 st	20 ppm, 100 mg/m3	
1,2,3-trimethylbenzene	LV OEL	AER 8 st	20 ppm, 100 mg/m3	
Cumene	LV OEL	AER 8 st	20 ppm, 100 mg/m3	Āda,
	LV OEL	AER īslaicīgā	50 ppm, 250 mg/m3	Āda,

Āda Āda

LU

Composants	Base	Valeur	Paramètres de contrôle	Note
1,2,4-Trimethylbenzene	LU OEL	TWA	20 ppm, 100 mg/m3	
Ethylbenzene	LU OEL	TWA	100 ppm, 442 mg/m3	Peau,
	LU OEL	STEL	200 ppm, 884 mg/m3	Peau,
o-xylene	LU OEL	TWA	50 ppm, 221 mg/m3	Peau,
	LU OEL	STEL	100 ppm, 442 mg/m3	Peau,
Benzene, dimethyl-	LU OEL	TWA	50 ppm, 221 mg/m3	Peau,
	LU OEL	STEL	100 ppm, 442 mg/m3	Peau,
1,2,3-trimethylbenzene	LU OEL	TWA	20 ppm, 100 mg/m3	
1,3,5-Trimethylbenzene	LU OEL	TWA	20 ppm, 100 mg/m3	
p-xylene	LU OEL	TWA	50 ppm, 221 mg/m3	Peau,
	LU OEL	STEL	100 ppm, 442 mg/m3	Peau,
m-xylene	LU OEL	TWA	50 ppm, 221 mg/m3	Peau,
	LU OEL	STEL	100 ppm, 442 mg/m3	Peau,
Cumene	LU OEL	TWA	20 ppm, 100 mg/m3	Peau,
	LU OEL	STEL	50 ppm, 250 mg/m3	Peau,
Naphthalene	LU OEL	TWA	10 ppm, 50 mg/m3	

Peau Une pénétration cutanée s'ajoutant à l'inhalation réglementée est possible

LT

Komponentai	Pagrindas, bazė	Vertė	Kontrolės parametrai	Pastaba
1,2,4-Trimethylbenzene	LT OEL	IPRD	20 ppm, 100 mg/m3	
Ethylbenzene	LT OEL	IPRD	100 ppm, 442 mg/m3	O,
	LT OEL	TPRD	200 ppm, 884 mg/m3	O,
Benzene, dimethyl-	LT OEL	IPRD	50 ppm, 200 mg/m3	O,
	LT OEL	TPRD	100 ppm, 450 mg/m3	O,
Naphthalene	LT OEL	IPRD	10 ppm, 50 mg/m3	
1,3,5-Trimethylbenzene	LT OEL	IPRD	20 ppm, 100 mg/m3	
	LT OEL	TPRD	30 ppm, 150 mg/m3	
1,2,3-trimethylbenzene	LT OEL	IPRD	20 ppm, 100 mg/m3	
Cumene	LT OEL	IPRD	25 ppm, 120 mg/m3	O,
	LT OEL	TPRD	35 ppm, 170 mg/m3	O,

O Oksiduojanti

IT

Componenti	Base	Valore	Parametri di controllo	Nota
1,2,4-Trimethylbenzene	IT OEL	TWA	20 ppm, 100 mg/m3	
Ethylbenzene	IT OEL	TWA	100 ppm, 442 mg/m3	Pelle,

	IT OEL	STEL	200 ppm, 884 mg/m3	Pelle,
Benzene, dimethyl-	IT OEL	TWA	50 ppm, 221 mg/m3	Pelle,
	IT OEL	STEL	100 ppm, 442 mg/m3	Pelle,
1,3,5-Trimethylbenzene	IT OEL	TWA	20 ppm, 100 mg/m3	
1,2,3-trimethylbenzene	IT OEL	TWA	20 ppm, 100 mg/m3	
Cumene	IT OEL	TWA	20 ppm, 100 mg/m3	Pelle,
	IT OEL	STEL	50 ppm, 250 mg/m3	Pelle,

Pelle La notazione 'Pelle' attribuita ai valori limite di esposizione indica possibilità di assorbimento significativo attraverso la pelle.

IS

Komponenter	Grunnlag	Verdi	Kontrollparametrer	Nota
Distillates (petroleum), Hydrotreated light	IS OEL	TWA	1 mg/m3	26, 27, Particles (mist)
1,2,4-Trimethylbenzene	IS OEL	TWA	20 ppm, 100 mg/m3	32,
Ethylbenzene	IS OEL	TWA	50 ppm, 200 mg/m3	H,
	IS OEL	STEL	200 ppm, 884 mg/m3	H,
o-xylene	IS OEL	TWA	25 ppm, 109 mg/m3	H,
	IS OEL	STEL	100 ppm, 442 mg/m3	H,
Benzene, dimethyl-	IS OEL	TWA	25 ppm, 109 mg/m3	H,
	IS OEL	STEL	100 ppm, 442 mg/m3	H,
1,2,3-trimethylbenzene	IS OEL	TWA	20 ppm, 100 mg/m3	32,
1,3,5-Trimethylbenzene	IS OEL	TWA	20 ppm, 100 mg/m3	32,
p-xylene	IS OEL	TWA	25 ppm, 109 mg/m3	H,
	IS OEL	STEL	100 ppm, 442 mg/m3	H,
m-xylene	IS OEL	TWA	25 ppm, 109 mg/m3	H,
	IS OEL	STEL	100 ppm, 442 mg/m3	H,
Cumene	IS OEL	TWA	20 ppm, 100 mg/m3	H,
	IS OEL	STEL	50 ppm, 250 mg/m3	H,
Naphthalene	IS OEL	TWA	10 ppm, 50 mg/m3	

26 When certain oils are heated, polycyclic aromatic hydrocarbons (PAH) are produced which can have a carcinogenic effect. Such substances can also be present in mineral oils.

27 For mist from aqueous cutting fluid or suchlike, which may also include substances other than oils, the value is applied as a total content with regard to the non-aqueous part. For substances with individual lower limit values, these are applied.

32 The same threshold limit value expressed in mg/m3 also applies to other polyalkylbenzenes.
H Skin notation

IE

Ingredients	Basis	Value	Control parameters	Note
1,2,4-Trimethylbenzene	IE OEL	OELV - 8 hrs (TWA)	20 ppm, 100 mg/m3	IOELV,
Ethylbenzene	IE OEL	OELV - 8 hrs (TWA)	100 ppm, 442 mg/m3	Sk, IOELV,
	IE OEL	OELV - 15 min (STEL)	200 ppm, 884 mg/m3	Sk, IOELV,
o-xylene	IE OEL	OELV - 8 hrs (TWA)	50 ppm, 221 mg/m3	Sk, IOELV,
	IE OEL	OELV - 15 min (STEL)	100 ppm, 442 mg/m3	Sk, IOELV,
Benzene, dimethyl-	IE OEL	OELV - 8 hrs (TWA)	50 ppm, 221 mg/m3	Sk, IOELV,
	IE OEL	OELV - 15 min (STEL)	100 ppm, 442 mg/m3	Sk, IOELV,
1,2,3-trimethylbenzene	IE OEL	OELV - 8 hrs (TWA)	20 ppm, 100 mg/m3	Sk, IOELV,
1,3,5-Trimethylbenzene	IE OEL	OELV - 8 hrs (TWA)	20 ppm, 100 mg/m3	IOELV,
p-xylene	IE OEL	OELV - 8 hrs (TWA)	50 ppm, 221 mg/m3	Sk, IOELV,
	IE OEL	OELV - 15 min (STEL)	100 ppm, 442 mg/m3	Sk, IOELV,
m-xylene	IE OEL	OELV - 8 hrs (TWA)	50 ppm, 221 mg/m3	Sk, IOELV,
	IE OEL	OELV - 15 min (STEL)	100 ppm, 442 mg/m3	Sk, IOELV,
Cumene	IE OEL	OELV - 8 hrs (TWA)	20 ppm, 100 mg/m3	Sk, IOELV,
	IE OEL	OELV - 15 min (STEL)	50 ppm, 250 mg/m3	Sk, IOELV,
Naphthalene	IE OEL	OELV - 8 hrs (TWA)	10 ppm, 50 mg/m3	
	IE OEL	OELV - 15 min (STEL)	15 ppm, 75 mg/m3	

IOELV Indicative Occupational Exposure Limit Value
Sk Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body

HU

Komponensek	Bázis	Érték	Ellenőrzési paraméterek	Megjegyzés
1,2,4-Trimethylbenzene	HU OEL	AK-érték	100 mg/m3	EU1,
	HU OEL	CK-érték	800 mg/m3	EU1,
Ethylbenzene	HU OEL	AK-érték	442 mg/m3	b, EU1, i,
	HU OEL	CK-érték	884 mg/m3	b, EU1, i,
Naphthalene	HU OEL	AK-érték	50 mg/m3	b, EU1, i,
	HU OEL	CK-érték	400 mg/m3	b, EU1, i,
1,3,5-Trimethylbenzene	HU OEL	AK-érték	100 mg/m3	EU1, i,
	HU OEL	CK-érték	800 mg/m3	EU1, i,
1,2,3-trimethylbenzene	HU OEL	AK-érték	100 mg/m3	EU1,
	HU OEL	CK-érték	800 mg/m3	EU1,
Cumene	HU OEL	AK-érték	100 mg/m3	b, EU1, i,
	HU OEL	CK-érték	250 mg/m3	b, EU1, i,

b Bőrön át is felszívódik. Az ÁK-értékek a veszélyes anyagoknak ezt a tulajdonságát, illetve az ebből származó expozíciót csak a levegőben megengedett koncentrációjuk mértékének megfelelően veszik figyelembe
EU1 91/322/EGK irányelvben közölt érték
i Ingerlő anyag (izgatja a bőrt, nyálkahártyát, szemet vagy mindhármat)

HR

Sastojci	Temelj	Vrijednost	Nadzorni parametri	Bilješka
Distillates (petroleum), Hydrotreated light	HR OEL	GVI	100 ppm, 400 mg/m3	2, 2, T,
Light Aromatic Solvent Naphtha	HR OEL	GVI	100 ppm, 300 mg/m3	2, 2, T,
	HR OEL	GVI	100 ppm, 400 mg/m3	2, 2, T,
Solvent Naphtha (Petroleum), Heavy Aromatic	HR OEL	GVI	100 ppm, 400 mg/m3	2, 2, T,
1,2,4-Trimethylbenzene	HR OEL	GVI	20 ppm, 100 mg/m3	EU*, Xn, N,
Ethylbenzene	HR OEL	GVI	100 ppm, 442 mg/m3	K, EU*, Xn, F,
	HR OEL	STEL	200 ppm, 884 mg/m3	K, EU*, Xn, F,
Light Cycle Oil	HR OEL	GVI	100 ppm, 400 mg/m3	2, 2, T,
o-xylene	HR OEL	GVI	50 ppm, 221 mg/m3	K, EU*, Xn,
	HR OEL	STEL	100 ppm, 442 mg/m3	K, EU*, Xn,
Benzene, dimethyl-	HR OEL	GVI	50 ppm, 221 mg/m3	K, EU*, Xn,
	HR OEL	STEL	100 ppm, 442 mg/m3	K, EU*, Xn,
1,2,3-trimethylbenzene	HR OEL	GVI	20 ppm, 100 mg/m3	EU*,
1,3,5-Trimethylbenzene	HR OEL	GVI	20 ppm, 100 mg/m3	EU*, N, Xi,
p-xylene	HR OEL	GVI	50 ppm, 221 mg/m3	K, EU*, Xn,
	HR OEL	STEL	100 ppm, 442 mg/m3	K, EU*, Xn,
m-xylene	HR OEL	GVI	50 ppm, 221 mg/m3	K, EU*,
	HR OEL	STEL	100 ppm, 442 mg/m3	K, EU*,
Cumene	HR OEL	GVI	20 ppm, 100 mg/m3	K, EU*, Xn,
	HR OEL	STEL	50 ppm, 250 mg/m3	K, EU*, Xn,
Naphthalene	HR OEL	GVI	10 ppm, 50 mg/m3	3, EU, Xn, N,
	HR OEL		15 ppm, 75 mg/m3	

2 Karc. kat. 2: tvari koje su vjerojatno karcinogene za ljude
3 Karc. kat. 3: tvari koje izazivaju zabrinutost zbog mogućeg karcinogenog djelovanja na ljude
EU Naznaka da se radi o tvarima za koje su utvrđene indikativne granične vrijednosti izloženosti prema Direktivi 91/322/ EEC
EU* Naznaka da se radi o tvarima za koje su utvrđene indikativne granične vrijednosti izloženosti prema Direktivi 2000/39/ EC (prva lista)
F Lako zapaljivo
K naznaka da tvar može štetno djelovati kroz kožu
N Opasno za okoliš
T Otrovno
Xi Nadražujuće
Xn Štetno za zdravlje

GR

Συστατικά	Βάση	Τιμή	Παράμετροι ελέγχου	Σημείωση
Distillates (petroleum), Hydrotreated light	GR OEL	TWA	5 mg/m3	Ομίχλη
1,2,4-Trimethylbenzene	GR OEL	TWA	25 ppm, 125 mg/m3	
Ethylbenzene	GR OEL	TWA	100 ppm, 435 mg/m3	
	GR OEL	STEL	125 ppm, 545 mg/m3	
o-xylene	GR OEL	TWA	100 ppm, 435 mg/m3	Δ,
	GR OEL	STEL	150 ppm, 650 mg/m3	Δ,
	GR OEL	TWA	100 ppm, 435 mg/m3	Δ,
	GR OEL	STEL	150 ppm, 650 mg/m3	Δ,
Benzene, dimethyl-	GR OEL	TWA	100 ppm, 435 mg/m3	Δ,
	GR OEL	STEL	150 ppm, 650 mg/m3	Δ,
	GR OEL	TWA	100 ppm, 435 mg/m3	Δ,
	GR OEL	STEL	150 ppm, 650 mg/m3	Δ,
1,2,3-trimethylbenzene	GR OEL	TWA	25 ppm, 125 mg/m3	
1,3,5-Trimethylbenzene	GR OEL	TWA	25 ppm, 125 mg/m3	
p-xylene	GR OEL	TWA	100 ppm, 435 mg/m3	Δ,
	GR OEL	STEL	150 ppm, 650 mg/m3	Δ,
	GR OEL	TWA	100 ppm, 435 mg/m3	Δ,
	GR OEL	STEL	150 ppm, 650 mg/m3	Δ,
m-xylene	GR OEL	TWA	100 ppm, 435 mg/m3	Δ,
	GR OEL	STEL	150 ppm, 650 mg/m3	Δ,
Cumene	GR OEL	TWA	50 ppm, 245 mg/m3	Δ,
	GR OEL	STEL	75 ppm, 370 mg/m3	Δ,
Naphthalene	GR OEL	TWA	10 ppm, 50 mg/m3	

Δ Η ένδειξη 'δέρμα' (Δ), η οποία επισημαίνει ορισμένους χημικούς παράγοντες του πίνακα της παρ. 1 του άρθρου 3, υπονοεί την πιθανή συμβολή στην συνολική έκθεση του εργαζόμενου και της ποσότητας αυτών των χημικών παραγόντων που απορροφάται διαμέσου του δέρματος κατά την άμεση επαφή μαζί τους.

GB

Ingredients	Basis	Value	Control parameters	Note
1,2,4-Trimethylbenzene	GB EH40	TWA	25 ppm, 125 mg/m3	2,

Ethylbenzene	GB EH40	TWA	100 ppm, 441 mg/m3	Sk,
	GB EH40	STEL	125 ppm, 552 mg/m3	Sk,
Benzene, dimethyl-	GB EH40	TWA	50 ppm, 220 mg/m3	Sk,
	GB EH40	STEL	100 ppm, 441 mg/m3	Sk,
1,2,3-trimethylbenzene	GB EH40	TWA	25 ppm, 125 mg/m3	2,
1,3,5-Trimethylbenzene	GB EH40	TWA	25 ppm, 125 mg/m3	2,
Cumene	GB EH40	TWA	25 ppm, 125 mg/m3	Sk,
	GB EH40	STEL	50 ppm, 250 mg/m3	Sk,

2 Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used
Sk Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.

FR

Composants	Base	Valeur	Paramètres de contrôle	Note
1,2,4-Trimethylbenzene	FR VLE	VME	20 ppm, 100 mg/m3	noir,
	FR VLE	VLCT (VLE)	50 ppm, 250 mg/m3	noir,
Ethylbenzene	FR VLE	VME	20 ppm, 88,4 mg/m3	*, noir,
	FR VLE	VLCT (VLE)	100 ppm, 442 mg/m3	*, noir,
o-xylene	FR VLE	VME	50 ppm, 221 mg/m3	*, noir,
	FR VLE	VLCT (VLE)	100 ppm, 442 mg/m3	*, noir,
Benzene, dimethyl-	FR VLE	VME	50 ppm, 221 mg/m3	*, noir,
	FR VLE	VLCT (VLE)	100 ppm, 442 mg/m3	*, noir,
1,2,3-trimethylbenzene	FR VLE	VME	20 ppm, 100 mg/m3	noir,
	FR VLE	VLCT (VLE)	50 ppm, 250 mg/m3	noir,
1,3,5-Trimethylbenzene	FR VLE	VME	20 ppm, 100 mg/m3	noir,
	FR VLE	VLCT (VLE)	50 ppm, 250 mg/m3	noir,
p-xylene	FR VLE	VME	50 ppm, 221 mg/m3	*, noir,
	FR VLE	VLCT (VLE)	100 ppm, 442 mg/m3	*, noir,
m-xylene	FR VLE	VME	50 ppm, 221 mg/m3	*, noir,
	FR VLE	VLCT (VLE)	100 ppm, 442 mg/m3	*, noir,
Cumene	FR VLE	VME	20 ppm, 100 mg/m3	*, noir,
	FR VLE	VLCT (VLE)	50 ppm, 250 mg/m3	*, noir,
Naphthalene	FR VLE	VME	10 ppm, 50 mg/m3	C2, normal,

* Risque de pénétration percutanée
C2 Substances preoccupantes en raison d'effets cancerogenes possibles
noir Valeurs limites réglementaires contraignantes
normal Valeurs limites indicatives

FI

Aineosat	Peruste	Arvo	Valvontaa koskevat muuttujat	Huomautus
Distillates (petroleum), Hydrotreated light	FI OEL	HTP-arvot 8h	5 mg/m3	Sumu
Light Aromatic Solvent Naphtha	FI OEL	HTP-arvot 8h	100 mg/m3	
1,2,4-Trimethylbenzene	FI OEL	HTP-arvot 8h	20 ppm, 100 mg/m3	
	FI OEL	HTP-arvot 8h	20 ppm, 100 mg/m3	
Ethylbenzene	FI OEL	HTP-arvot 8h	50 ppm, 220 mg/m3	iho,
	FI OEL	HTP-arvot 15 min	200 ppm, 880 mg/m3	iho,
o-xylene	FI OEL	HTP-arvot 8h	50 ppm, 220 mg/m3	iho,
	FI OEL	HTP-arvot 15 min	100 ppm, 440 mg/m3	iho,
	FI OEL	HTP-arvot 8h	50 ppm, 220 mg/m3	iho,
	FI OEL	HTP-arvot 15 min	100 ppm, 440 mg/m3	iho,
Benzene, dimethyl-	FI OEL	HTP-arvot 8h	50 ppm, 220 mg/m3	iho,
	FI OEL	HTP-arvot 15 min	100 ppm, 440 mg/m3	iho,
	FI OEL	HTP-arvot 8h	50 ppm, 220 mg/m3	iho,
	FI OEL	HTP-arvot 15 min	100 ppm, 440 mg/m3	iho,
1,2,3-trimethylbenzene	FI OEL	HTP-arvot 8h	20 ppm, 100 mg/m3	
1,3,5-Trimethylbenzene	FI OEL	HTP-arvot 8h	20 ppm, 100 mg/m3	
	FI OEL	HTP-arvot 8h	20 ppm, 100 mg/m3	
p-xylene	FI OEL	HTP-arvot 8h	50 ppm, 220 mg/m3	iho,
	FI OEL	HTP-arvot 15 min	100 ppm, 440 mg/m3	iho,
	FI OEL	HTP-arvot 8h	50 ppm, 220 mg/m3	iho,
	FI OEL	HTP-arvot 15 min	100 ppm, 440 mg/m3	iho,
m-xylene	FI OEL	HTP-arvot 8h	50 ppm, 220 mg/m3	iho,
	FI OEL	HTP-arvot 15 min	100 ppm, 440 mg/m3	iho,
Cumene	FI OEL	HTP-arvot 8h	20 ppm, 100 mg/m3	iho,
	FI OEL	HTP-arvot 15 min	50 ppm, 250 mg/m3	iho,
Naphthalene	FI OEL	HTP-arvot 8h	1 ppm, 5 mg/m3	
	FI OEL	HTP-arvot 15 min	2 ppm, 10 mg/m3	

iho Ihon läpi imeytyvien aineiden elimistöön joutuvia määriä ja elimistöön joutuneesta aineesta aiheutuvaa vaaraa ei voida näin ollen arvioida pelkästään ilmapitoisuuksien avulla.Tämän vuoksi näiden aineiden HTP-arvojen yhteyteen on huomautussarakkeeseen otettu ihon läpi imeytymisen osoittamiseksi merkintä 'iho'. Monet aineet, varsinkin voimakkaat hapot tai emäkset, voivat aiheuttaa iholle jouduttuaan ihon ärsyyntymistä tai syöpymistä.

ES

Componentes	Base	Valor	Parámetros de control	Nota
Distillates (petroleum), Hydrotreated light	ES VLA	VLA-ED	5 mg/m3	am, Niebla
	ES VLA	VLA-EC	10 mg/m3	am, Niebla
1,2,4-Trimethylbenzene	ES VLA	VLA-ED	20 ppm, 100 mg/m3	VLI,
Ethylbenzene	ES VLA	VLA-ED	100 ppm, 441 mg/m3	vía dérmica, VLB®, VLI,
	ES VLA	VLA-EC	200 ppm, 884 mg/m3	vía dérmica, VLB®, VLI,
o-xylene	ES VLA	VLA-ED	50 ppm, 221 mg/m3	vía dérmica, VLB®, VLI,
	ES VLA	VLA-EC	100 ppm, 442 mg/m3	vía dérmica, VLB®, VLI,
Benzene, dimethyl-	ES VLA	VLA-ED	50 ppm, 221 mg/m3	vía dérmica, VLB®, VLI,
	ES VLA	VLA-EC	100 ppm, 442 mg/m3	vía dérmica, VLB®, VLI,
1,2,3-trimethylbenzene	ES VLA	VLA-ED	20 ppm, 100 mg/m3	VLI,
1,3,5-Trimethylbenzene	ES VLA	VLA-ED	20 ppm, 100 mg/m3	VLI,
p-xylene	ES VLA	VLA-ED	50 ppm, 221 mg/m3	vía dérmica, VLB®, VLI,
	ES VLA	VLA-EC	100 ppm, 442 mg/m3	vía dérmica, VLB®, VLI,
m-xylene	ES VLA	VLA-ED	50 ppm, 221 mg/m3	vía dérmica, VLB®, VLI,
	ES VLA	VLA-EC	100 ppm, 442 mg/m3	vía dérmica, VLB®, VLI,
Cumene	ES VLA	VLA-ED	20 ppm, 100 mg/m3	vía dérmica, VLI,
	ES VLA	VLA-EC	50 ppm, 250 mg/m3	vía dérmica, VLI,
Naphthalene	ES VLA	VLA-ED	10 ppm, 53 mg/m3	vía dérmica, VLI,
	ES VLA	VLA-EC	15 ppm, 80 mg/m3	vía dérmica, VLI,

am El valor se aplica al aceite mineral refinado y no a los aditivos que pudiera llevar en su formulación.
vía dérmica Vía dérmica
VLB® Agente químico que tiene Valor Límite Biológico específico en este documento.
VLI Agente químico para el que la U.E. estableció en su día un valor límite indicativo. Todos estos agentes químicos figuran al menos en una de las directivas de valores límite indicativos publicadas hasta ahora (ver Anexo C. Bibliografía). Los estados miembros disponen de un tiempo fijado en dichas directivas para su transposición a los valores límites de cada país miembro. Una vez adoptados, estos valores tienen la misma validez que el resto de los valores adoptados por el país.

EE

Komponendid, osad	Alused	Väärtus	Kontrolliparameetrid	Märkused
1,2,4-Trimethylbenzene	EE OEL	Piirnorm	20 ppm, 100 mg/m3	
Ethylbenzene	EE OEL	Piirnorm	100 ppm, 442 mg/m3	A, S,
	EE OEL	Lühiajalise kokkupuute piirnorm	200 ppm, 884 mg/m3	A, S,
Benzene, dimethyl-	EE OEL	Piirnorm	50 ppm, 221 mg/m3	A,
	EE OEL	Lühiajalise kokkupuute piirnorm	100 ppm, 442 mg/m3	A,
	EE OEL	Piirnorm	50 ppm, 200 mg/m3	A,
	EE OEL	Lühiajalise kokkupuute piirnorm	100 ppm, 450 mg/m3	A,
Naphthalene	EE OEL	Piirnorm	10 ppm, 50 mg/m3	
1,3,5-Trimethylbenzene	EE OEL	Piirnorm	20 ppm, 100 mg/m3	25,
1,2,3-trimethylbenzene	EE OEL	Piirnorm	20 ppm, 100 mg/m3	
Cumene	EE OEL	Piirnorm	20 ppm, 100 mg/m3	A,
	EE OEL	Lühiajalise kokkupuute piirnorm	50 ppm, 250 mg/m3	A,

25 Seda piirnormi kasutatakse ka teiste polüalküülitud benseenide kohta.
A Naha kaudu kergesti absorbeeruvad ained
S Sensibiliseerivad ained

DK

Komponenter	Basis	Værdi	Kontrolparametre	Note
Distillates (petroleum), Hydrotreated light	DK OEL	GV	1 mg/m3	tåge og partikler
1,2,4-Trimethylbenzene	DK OEL	GV	20 ppm, 100 mg/m3	E,
Ethylbenzene	DK OEL	GV	50 ppm, 217 mg/m3	H, K, E,
o-xylene	DK OEL	GV	25 ppm, 109 mg/m3	H, E,
	DK OEL	GV	25 ppm, 109 mg/m3	H, E,
Benzene, dimethyl-	DK OEL	GV	25 ppm, 109 mg/m3	H, E,
	DK OEL	GV	25 ppm, 109 mg/m3	H, E,
1,2,3-trimethylbenzene	DK OEL	GV	20 ppm, 100 mg/m3	E,
1,3,5-Trimethylbenzene	DK OEL	GV	20 ppm, 100 mg/m3	E,
p-xylene	DK OEL	GV	25 ppm, 109 mg/m3	H, E,
	DK OEL	GV	25 ppm, 109 mg/m3	H, E,
m-xylene	DK OEL	GV	25 ppm, 109 mg/m3	H, E,
Cumene	DK OEL	GV	20 ppm, 100 mg/m3	H, E,
Naphthalene	DK OEL	GV	10 ppm, 50 mg/m3	K, E,

E At stoffet har en EF-grænseværdi
H Betyder, at stoffet kan optages gennem huden.
K Betyder, at stoffet er optaget på listen over stoffer, der anses for at være kræftfremkaldende.

DE

Inhaltsstoffe	Grundlage	Wert	Zu überwachende Parameter	Bemerkung

Solvent Naphtha (Petroleum), Heavy Aromatic	DE TRGS 900	AGW	100 mg/m3	Gruppen-AGW, AGS,
1,2,4-Trimethylbenzene	DE TRGS 900	AGW	20 ppm, 100 mg/m3	DFG, EU, Y,
Ethylbenzene	DE TRGS 900	AGW	20 ppm, 88 mg/m3	DFG, EU, H, Y,
	DE TRGS 900	AGW	200 mg/m3	Gruppen-AGW, AGS,
Light Cycle Oil	DE TRGS 900	AGW	100 mg/m3	Gruppen-AGW, AGS,
o-xylene	DE TRGS 900	AGW	100 ppm, 440 mg/m3	DFG, EU, H,
Benzene, dimethyl-	DE TRGS 900	AGW	100 ppm, 440 mg/m3	DFG, EU, H,
1,2,3-trimethylbenzene	DE TRGS 900	AGW	20 ppm, 100 mg/m3	DFG, EU, Y,
1,3,5-Trimethylbenzene	DE TRGS 900	AGW	20 ppm, 100 mg/m3	DFG, EU, Y,
p-xylene	DE TRGS 900	AGW	100 ppm, 440 mg/m3	DFG, EU, H,
m-xylene	DE TRGS 900	AGW	100 ppm, 440 mg/m3	DFG, EU, H,
Cumene	DE TRGS 900	AGW	10 ppm, 50 mg/m3	AGS, DFG, EU, H, Y,
Naphthalene	DE TRGS 900	AGW	0,1 ppm, 0,5 mg/m3	AGS, 11, H, Y, Dampf und Aerosole, einatembare Fraktion

11 Summe aus Dampf und Aerosolen.
AGS Ausschuss für Gefahrstoffe
DFG Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG (MAK-Kommission)
EU Europäische Union (Von der EU wurde ein Luftgrenzwert festgelegt: Abweichungen bei Wert und Spitzenbegrenzung sind möglich.)
Gruppen-AGW Gruppengrenzwert für Kohlenwasserstoff-Lösemittelgemische
H Hautresorptiv
Y Ein Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes (BGW) nicht befürchtet zu werden

CZ

Složky	Základ	Hodnota	Kontrolní parametry	Poznámka
1,2,4-Trimethylbenzene	CZ OEL	PEL	100 mg/m3	I,
	CZ OEL	NPK-P	250 mg/m3	I,
Ethylbenzene	CZ OEL	PEL	200 mg/m3	D,
	CZ OEL	NPK-P	500 mg/m3	D,
Benzene, dimethyl-	CZ OEL	PEL	200 mg/m3	D,
	CZ OEL	NPK-P	400 mg/m3	D,
Naphthalene	CZ OEL	PEL	50 mg/m3	
	CZ OEL	NPK-P	100 mg/m3	
1,3,5-Trimethylbenzene	CZ OEL	PEL	100 mg/m3	I,
	CZ OEL	NPK-P	250 mg/m3	I,
1,2,3-trimethylbenzene	CZ OEL	PEL	100 mg/m3	I,
	CZ OEL	NPK-P	250 mg/m3	I,
Cumene	CZ OEL	PEL	100 mg/m3	I, D,
	CZ OEL	NPK-P	250 mg/m3	I, D,

D Při expozici se významně uplatňuje pronikání látky kůží
I dráždí sliznice (oči, dýchací cesty) resp. kůži

CY

Συστατικά	Βάση	Τιμή	Παράμετροι ελέγχου	Σημείωση
1,2,4-Trimethylbenzene	CY OEL	TWA	20 ppm, 100 mg/m3	
Ethylbenzene	CY OEL	TWA	100 ppm, 442 mg/m3	
	CY OEL	STEL	200 ppm, 884 mg/m3	
Benzene, dimethyl-	CY OEL	TWA	50 ppm, 221 mg/m3	
	CY OEL	STEL	100 ppm, 442 mg/m3	
Naphthalene	CY OEL	TWA	10 ppm, 50 mg/m3	
1,3,5-Trimethylbenzene	CY OEL	TWA	20 ppm, 100 mg/m3	
1,2,3-trimethylbenzene	CY OEL	TWA	20 ppm, 100 mg/m3	
Cumene	CY OEL	TWA	20 ppm, 100 mg/m3	
	CY OEL	STEL	50 ppm, 250 mg/m3	

CH

Inhaltsstoffe	Grundlage	Wert	Zu überwachende Parameter	Bemerkung
1,2,4-Trimethylbenzene	CH SUVA	MAK-Wert	20 ppm, 100 mg/m3	INRS, SSc,
	CH SUVA	KZGW	40 ppm, 200 mg/m3	INRS, SSc,
Ethylbenzene	CH SUVA	MAK-Wert	50 ppm, 220 mg/m3	OL, H, NIOSH,
	CH SUVA	KZGW	50 ppm, 220 mg/m3	OL, H, NIOSH,
Benzene, dimethyl-	CH SUVA	MAK-Wert	100 ppm, 435 mg/m3	H, Gruppe D - Preg, NIOSH, INRS,
	CH SUVA	KZGW	200 ppm, 870 mg/m3	H, Gruppe D - Preg, NIOSH, INRS,
	CH SUVA	MAK-Wert	100 ppm, 435 mg/m3	H, NIOSH, INRS,
	CH SUVA	KZGW	200 ppm, 870 mg/m3	H, NIOSH, INRS,
Naphthalene	CH SUVA	MAK-Wert	10 ppm, 50 mg/m3	H, Carc.Cat.3, NIOSH, OSHA,
1,3,5-Trimethylbenzene	CH SUVA	MAK-Wert	20 ppm, 100 mg/m3	INRS, SSc,
	CH SUVA	KZGW	40 ppm, 200 mg/m3	INRS, SSc,
1,2,3-trimethylbenzene	CH SUVA	MAK-Wert	20 ppm, 100 mg/m3	INRS, SSc,

	CH SUVA	KZGW	40 ppm, 200 mg/m3	INRS, SSc,
Cumene	CH SUVA	MAK-Wert	20 ppm, 100 mg/m3	H, Carc.Cat.3, NIOSH, INRS, SSc,
	CH SUVA	KZGW	80 ppm, 400 mg/m3	H, Carc.Cat.3, NIOSH, INRS, SSc,

Carc.Cat.3 Krebserzeugende Stoffe Kategorie 3
Gruppe D - Preg Eine Zuteilung der Gruppen A-C ist z. Zt. noch nicht möglich. Die vorliegenden Daten lassen einen Trend erkennen oder sind kontrovers, für eine abschliessende Beurteilung reichen sie jedoch nicht aus.
H Vergiftung durch Hautresorption möglich; Bei Stoffen, welche die Haut leicht zu durchdringen vermögen, kann durch die zusätzliche Hautresorption die innere Belastung wesentlich höher werden als bei alleiniger Aufnahme durch die Atemwege.
INRS Institut National de Recherche et de Sécurité pour la prévention des accidents du travail et des maladies professionnelles
NIOSH National Institute for Occupational Safety and Health
OL lärmverstärkende Ototoxizität
OSHA Occupational Safety and Health Administration
SSc Eine Schädigung der Leibesfrucht braucht bei Einhaltung des MAK-Wertes nicht befürchtet zu werden.

BG

Съставки	Основа	Стойност	Параметри на контрол	Бележка
1,2,4-Trimethylbenzene	BG OEL	TWA	20 ppm, 100 mg/m3	-,
Ethylbenzene	BG OEL	TWA	435 mg/m3	-,
	BG OEL	STEL	545 mg/m3	-,
Benzene, dimethyl-	BG OEL	TWA	50 ppm, 221 mg/m3	-,
	BG OEL	STEL	100 ppm, 442 mg/m3	-,
Naphthalene	BG OEL	TWA	50 mg/m3	-,
	BG OEL	STEL	75 mg/m3	-,
1,3,5-Trimethylbenzene	BG OEL	TWA	20 ppm, 100 mg/m3	-,
1,2,3-trimethylbenzene	BG OEL	TWA	20 ppm, 100 mg/m3	-,
Cumene	BG OEL	TWA	20 ppm, 100 mg/m3	-,
	BG OEL	STEL	50 ppm, 250 mg/m3	-,

- Химични агенти, за които са определени гранични стойности във въздуха на работната среда за Европейската общност. Граничните стойности на тези химични агенти във въздуха на работната среда, определени с наредбата, са съобразени със съответните стойности, приети за Европейската общност, като могат да бъдат равни или по-ниски от тях.

BE

Bestanddelen	Basis	Waarde	Controleparameters	Opmerking
Distillates (petroleum), Hydrotreated light	BE OEL	TGG 8 hr	200 mg/m3	D,
1,2,4-Trimethylbenzene	BE OEL	TGG 8 hr	20 ppm, 100 mg/m3	
Ethylbenzene	BE OEL	TGG 8 hr	100 ppm, 442 mg/m3	D,
	BE OEL	TGG 15 min	125 ppm, 551 mg/m3	D,
Benzene, dimethyl-	BE OEL	TGG 8 hr	50 ppm, 221 mg/m3	D,
	BE OEL	TGG 15 min	100 ppm, 442 mg/m3	D,
Naphthalene	BE OEL	TGG 8 hr	10 ppm, 53 mg/m3	D,
	BE OEL	TGG 15 min	15 ppm, 80 mg/m3	D,
1,3,5-Trimethylbenzene	BE OEL	TGG 8 hr	20 ppm, 100 mg/m3	
1,2,3-trimethylbenzene	BE OEL	TGG 8 hr	20 ppm, 100 mg/m3	
Cumene	BE OEL	TGG 8 hr	20 ppm, 100 mg/m3	D,
	BE OEL	TGG 15 min	50 ppm, 250 mg/m3	D,

D Opname van het agens via de huid, de slijmvliezen of de ogen vormt een belangrijk deel van de totale blootstelling. Deze opname kan het gevolg zijn van zowel direct contact als zijn aanwezigheid in de lucht.

AT

Inhaltsstoffe	Grundlage	Wert	Zu überwachende Parameter	Bemerkung
1,2,4-Trimethylbenzene	AT OEL	TMW	20 ppm, 100 mg/m3	
	AT OEL	KZW	30 ppm, 150 mg/m3	
Ethylbenzene	AT OEL	TMW	100 ppm, 440 mg/m3	H,
	AT OEL	KZW	200 ppm, 880 mg/m3	H,
Benzene, dimethyl-	AT OEL	TMW	50 ppm, 221 mg/m3	H,
	AT OEL	KZW	100 ppm, 442 mg/m3	H,
	AT OEL	TMW	50 ppm, 221 mg/m3	H,
	AT OEL	KZW	100 ppm, 442 mg/m3	H,
Naphthalene	AT OEL	TMW	10 ppm, 50 mg/m3	H,
1,3,5-Trimethylbenzene	AT OEL	TMW	20 ppm, 100 mg/m3	
	AT OEL	KZW	30 ppm, 150 mg/m3	
1,2,3-trimethylbenzene	AT OEL	TMW	20 ppm, 100 mg/m3	
	AT OEL	KZW	30 ppm, 150 mg/m3	
Cumene	AT OEL	TMW	20 ppm, 100 mg/m3	H,
	AT OEL	KZW	50 ppm, 250 mg/m3	H,

H Besondere Gefahr der Hautresorption

Biological exposure indices

SK

Názov látky	Č. CAS	Kontrolné parametre	Doba odberu vzorky	Aktualizácia
Ethylbenzene	100-41-4	2- a 4-etylfenol: 12 mg/l (Krv)	Koniec vystavenia alebo pracovnej zmenypri dlhodobom vystavení: po viacerých pracovných zmenách	2011-11-23
		kyselina mandl'ová a kyselina fenylglyoxylová: 1.600 mg/l (moč)	Koniec vystavenia alebo pracovnej zmenypri dlhodobom vystavení: po viacerých pracovných zmenách	2011-11-23
		2- a 4-etylfenol: 98.6 µmol.l-1 (Krv)	Koniec vystavenia alebo pracovnej zmenypri dlhodobom vystavení: po viacerých pracovných zmenách	2011-11-23
		kyselina mandl'ová a kyselina fenylglyoxylová: 10590 µmol.l-1 (moč)	Koniec vystavenia alebo pracovnej zmenypri dlhodobom vystavení: po viacerých pracovných zmenách	2011-11-23
		kyselina mandl'ová a kyselina fenylglyoxylová: 1067 mg/g kreatinínu (moč)	Koniec vystavenia alebo pracovnej zmenypri dlhodobom vystavení: po viacerých pracovných zmenách	2011-11-23
		kyselina mandl'ová a kyselina fenylglyoxylová: 799 µmol/mmol kreatinínu (moč)	Koniec vystavenia alebo pracovnej zmenypri dlhodobom vystavení: po viacerých pracovných zmenách	2011-11-23
		2- a 4-etylfenol: 8.03 mg/g kreatinínu (moč)	Koniec vystavenia alebo pracovnej zmenypri dlhodobom vystavení: po viacerých pracovných zmenách	2011-11-23

		2- a 4-etylfenol: 7.44 µmol/mmol kreatinínu (moč)	Koniec vystavenia alebo pracovnej zmenypri dlhodobom vystavení: po viacerých pracovných zmenách	2011-11-23
Benzene, dimethyl-	1330-20-7	xylén: 1,5 mg/l (Krv)	Koniec vystavenia alebo pracovnej zmeny	2011-11-23
		suma kyselí 2,3,4-metylhippurových: 2.000 mg/l (moč)	Koniec vystavenia alebo pracovnej zmeny	2011-11-23
		xylén: 14.6 µmol.l-1 (Krv)	Koniec vystavenia alebo pracovnej zmeny	2011-11-23
		suma kyselí 2,3,4-metylhippurových: 10355 µmol.l-1 (moč)	Koniec vystavenia alebo pracovnej zmeny	2011-11-23
		suma kyselí 2,3,4-metylhippurových: 1334 mg/g kreatinínu (moč)	Koniec vystavenia alebo pracovnej zmeny	2011-11-23
		suma kyselí 2,3,4-metylhippurových: 781 µmol/mmol kreatinínu (moč)	Koniec vystavenia alebo pracovnej zmeny	2011-11-23
Ethylbenzene	100-41-4	2- a 4-etylfenol: 12 mg/l (Krv)	Koniec vystavenia alebo pracovnej zmenypri dlhodobom vystavení: po viacerých pracovných zmenách	2011-11-23
		kyselina mandl'ová a kyselina fenylglyoxylová: 1.600 mg/l (moč)	Koniec vystavenia alebo pracovnej zmenypri dlhodobom vystavení: po viacerých pracovných zmenách	2011-11-23
		2- a 4-etylfenol: 98.6 µmol.l-1 (Krv)	Koniec vystavenia alebo pracovnej zmenypri dlhodobom vystavení: po viacerých pracovných zmenách	2011-11-23
		kyselina mandl'ová a kyselina fenylglyoxylová: 10590 µmol.l-1 (moč)	Koniec vystavenia alebo pracovnej zmenypri dlhodobom vystavení: po viacerých pracovných zmenách	2011-11-23
		kyselina mandl'ová a kyselina fenylglyoxylová: 1067 mg/g kreatinínu (moč)	Koniec vystavenia alebo pracovnej zmenypri dlhodobom vystavení: po viacerých pracovných zmenách	2011-11-23

		kyselina mandl'ová a kyselina fenylglyoxylová: 799 µmol/mmol kreatinínu (moč)	Koniec vystavenia alebo pracovnej zmenypri dlhodobom vystavení: po viacerých pracovných zmenách	2011-11-23
		2- a 4-etylfenol: 8.03 mg/g kreatinínu (moč)	Koniec vystavenia alebo pracovnej zmenypri dlhodobom vystavení: po viacerých pracovných zmenách	2011-11-23
		2- a 4-etylfenol: 7.44 µmol/mmol kreatinínu (moč)	Koniec vystavenia alebo pracovnej zmenypri dlhodobom vystavení: po viacerých pracovných zmenách	2011-11-23
o-xylene	95-47-6	suma kyselí 2,3,4-metylhippurových: 2.000 mg/l (moč)	Koniec vystavenia alebo pracovnej zmeny	2011-11-23
		xylén: 1,5 mg/l (Krv)	Koniec vystavenia alebo pracovnej zmeny	2011-11-23
		xylén: 14.6 µmol.l-1 (Krv)	Koniec vystavenia alebo pracovnej zmeny	2011-11-23
		suma kyselí 2,3,4-metylhippurových: 10355 µmol.l-1 (moč)	Koniec vystavenia alebo pracovnej zmeny	2011-11-23
		suma kyselí 2,3,4-metylhippurových: 1334 mg/g kreatinínu (moč)	Koniec vystavenia alebo pracovnej zmeny	2011-11-23
		suma kyselí 2,3,4-metylhippurových: 781 µmol/mmol kreatinínu (moč)	Koniec vystavenia alebo pracovnej zmeny	2011-11-23
Benzene, dimethyl-	1330-20-7	xylén: 1,5 mg/l (Krv)	Koniec vystavenia alebo pracovnej zmeny	2011-11-23
		suma kyselí 2,3,4-metylhippurových: 2.000 mg/l (moč)	Koniec vystavenia alebo pracovnej zmeny	2011-11-23
		xylén: 14.6 µmol.l-1 (Krv)	Koniec vystavenia alebo pracovnej zmeny	2011-11-23
		suma kyselí 2,3,4-metylhippurových: 10355 µmol.l-1 (moč)	Koniec vystavenia alebo pracovnej zmeny	2011-11-23
		suma kyselí 2,3,4-metylhippurových: 1334 mg/g kreatinínu (moč)	Koniec vystavenia alebo pracovnej zmeny	2011-11-23
		suma kyselí 2,3,4-metylhippurových: 781 µmol/mmol kreatinínu (moč)	Koniec vystavenia alebo pracovnej zmeny	2011-11-23
p-xylene	106-42-3	suma kyselí 2,3,4-metylhippurových: 2.000 mg/l (moč)	Koniec vystavenia alebo pracovnej zmeny	2011-11-23
		xylén: 1,5 mg/l (Krv)	Koniec vystavenia alebo pracovnej zmeny	2011-11-23
		xylén: 14.6 µmol.l-1 (Krv)	Koniec vystavenia alebo pracovnej zmeny	2011-11-23

		suma kyselí 2,3,4-metylhippurových: 10355 µmol.l-1 (moč)	Koniec vystavenia alebo pracovnej zmeny	2011-11-23
		suma kyselí 2,3,4-metylhippurových: 1334 mg/g kreatinínu (moč)	Koniec vystavenia alebo pracovnej zmeny	2011-11-23
		suma kyselí 2,3,4-metylhippurových: 781 µmol/mmol kreatinínu (moč)	Koniec vystavenia alebo pracovnej zmeny	2011-11-23
m-xylene	108-38-3	suma kyselí 2,3,4-metylhippurových: 2.000 mg/l (moč)	Koniec vystavenia alebo pracovnej zmeny	2011-11-23
		xylén: 1,5 mg/l (Krv)	Koniec vystavenia alebo pracovnej zmeny	2011-11-23
		xylén: 14.6 µmol.l-1 (Krv)	Koniec vystavenia alebo pracovnej zmeny	2011-11-23
		suma kyselí 2,3,4-metylhippurových: 10355 µmol.l-1 (moč)	Koniec vystavenia alebo pracovnej zmeny	2011-11-23
		suma kyselí 2,3,4-metylhippurových: 1334 mg/g kreatinínu (moč)	Koniec vystavenia alebo pracovnej zmeny	2011-11-23
		suma kyselí 2,3,4-metylhippurových: 781 µmol/mmol kreatinínu (moč)	Koniec vystavenia alebo pracovnej zmeny	2011-11-23

SI

Ime snovi	Št. CAS	Parametri nadzora	Čas vzorčenja	Sprememba
Ethylbenzene	100-41-4	etilbenzen: 1,5 mg/l (Kri)	V času izpostavljenosti	2001-12-11
		mandljeva kislina: 1.12 mol/mol kreatinina (Urin)	Ob koncu delovne izmene in ob koncu delovnega tedna	2001-12-11
		etilbenzen: 4.13 µmol/l (Kri)	V času izpostavljenosti	2001-12-11
		etilbenzen: 83.2 µmol/l (Zadnji izdihani zrak)	16 Ur po končanem delu	2001-12-11
		mandljeva kislina: 1.5 kreatinin (Urin)	Ob koncu delovne izmene in ob koncu delovnega tedna	2001-12-11
		etilbenzen: 2 ppm (Zadnji izdihani zrak)	16 Ur po končanem delu	2001-12-11
Benzene, dimethyl-	1330-20-7	ksilen: 1,5 mg/l (Kri)	Ob koncu delovne izmene	2001-12-11
		metilhipurna kislina: 0.88 mol/mol kreatinina (Kri)	Ob koncu delovne izmene	2001-12-11
		ksilen: 14.13 µmol/l (Kri)	Ob koncu delovne izmene	2001-12-11
		metilhipurna kislina: 1.5 kreatinin (Kri)	Ob koncu delovne izmene	2001-12-11

RO

Numele substanţei	Nr. CAS	Parametri de control	Timp de prelevare a probei	Adus la zi
Ethylbenzene	100-41-4	acid mandelic: 1.5 g/g creatinină (Urină)	Sfârşit săptămână	2002-11-25
o-xylene	95-47-6	acid metilhipuric: 3 g/l (Urină)	Sfârşit schimb	2002-11-25
Benzene, dimethyl-	1330-20-7	acid metilhipuric: 3 g/l (Urină)	Sfârşit schimb	2002-11-25
p-xylene	106-42-3	acid metilhipuric: 3 g/l (Urină)	Sfârşit schimb	2002-11-25
m-xylene	108-38-3	acid metilhipuric: 3 g/l (Urină)	Sfârşit schimb	2002-11-25
Ethylbenzene	100-41-4	acid mandelic: 1.5 g/g creatinină (Urină)	Sfârşit săptămână	2002-11-25
Benzene, dimethyl-	1330-20-7	acid metilhipuric: 3 g/l (Urină)	Sfârşit schimb	2002-11-25

PT

Nome da substância	No. CAS	Parâmetros de controlo	Tempo de amostra	Atualizada em
Ethylbenzene	100-41-4	Soma do ácido mandélico e ácido fenilglioxílico: 0.7 g/g creatinina (Urina)	Fim do turno	2014-11-14
o-xylene	95-47-6	Ácidos (o, m, p)-metilhipúricos: 1.5 g/g creatinina (Urina)	Fim do turno	2014-11-14
Benzene, dimethyl-	1330-20-7	Ácidos (o, m, p)-metilhipúricos: 1.5 g/g creatinina (Urina)	Fim do turno	2014-11-14
p-xylene	106-42-3	Ácidos (o, m, p)-metilhipúricos: 1.5 g/g creatinina (Urina)	Fim do turno	2014-11-14
m-xylene	108-38-3	Ácidos (o, m, p)-metilhipúricos: 1.5 g/g creatinina (Urina)	Fim do turno	2014-11-14

IT

Denominazione della sostanza	N. CAS	Parametri di controllo	Tempo di campionamento	Aggiornamento

HU

Az anyag megnevezése	CAS szám	Ellenőrzési paraméterek	Mintavétel időpontja	Aktualizálás
Ethylbenzene	100-41-4	mandulasav: 1500 mg/g kreatinin (húgyhólyag)	Munkahét végénmûszak után	2002-11-28
		mandulasav: 1110 mikromol/mmol kreatinin (kerekített értékek) (húgyhólyag)	Munkahét végénmûszak után	2002-11-28
o-xylene	95-47-6	metil-hippursavak: 1500 mg/g kreatinin (húgyhólyag)	mûszak után	2016-08-25
		metil-hippursavak: 860 mikromol/mmol kreatinin (kerekített értékek) (húgyhólyag)	mûszak után	2016-08-25
Benzene, dimethyl-	1330-20-7	metil-hippursavak: 1500 mg/g kreatinin (húgyhólyag)	mûszak után	2016-08-25
		metil-hippursavak: 860 mikromol/mmol kreatinin (kerekített értékek) (húgyhólyag)	mûszak után	2016-08-25
p-xylene	106-42-3	metil-hippursavak: 1500 mg/g kreatinin (húgyhólyag)	mûszak után	2016-08-25
		metil-hippursavak: 860 mikromol/mmol kreatinin (kerekített értékek) (húgyhólyag)	mûszak után	2016-08-25
m-xylene	108-38-3	metil-hippursavak: 1500 mg/g kreatinin (húgyhólyag)	mûszak után	2016-08-25
		metil-hippursavak: 860 mikromol/mmol kreatinin (kerekített értékek) (húgyhólyag)	mûszak után	2016-08-25
Ethylbenzene	100-41-4	mandulasav: 1500 mg/g kreatinin (húgyhólyag)	Munkahét végénmûszak után	2002-11-28
		mandulasav: 1110 mikromol/mmol kreatinin (kerekített értékek) (húgyhólyag)	Munkahét végénmûszak után	2002-11-28
Benzene, dimethyl-	1330-20-7	metil-hippursavak: 1500 mg/g kreatinin (húgyhólyag)	mûszak után	2016-08-25
		metil-hippursavak: 860 mikromol/mmol kreatinin (kerekített értékek) (húgyhólyag)	mûszak után	2016-08-25

HR

Naziv tvari	CAS-br.	Nadzorni parametri	Vrijeme uzorkovanja	Ažurirati
Ethylbenzene	100-41-4	etilbenzen: 14.13 µmol/l (Krv)	za vrijeme izloženosti	2009-01-30
		etilbenzen: 1,5 mg/l (Krv)	za vrijeme izloženosti	2009-01-30
		etilbenzen: 83.2 nmol/l (krajnje izdahnuti zrak)	oko 16 sati nakon završetka radne smjene	2009-01-30

		etilbenzen: 2 ppm (krajnje izdahnuti zrak)	oko 16 sati nakon završetka radne smjene	2009-01-30
		bademova kiselina: 1.12 mol/mol kreatinina (Urin)	Na kraju radne smjene i na kraju radnog tjedna	2009-01-30
		bademova kiselina: 1.5 g/g kreatinin (Urin)	Na kraju radne smjene i na kraju radnog tjedna	2009-01-30
o-xylene	95-47-6	ksilen: 14.13 µmol/l (Krv)	na kraju radne smjene	2009-01-30
		ksilen: 1,5 mg/l (Krv)	na kraju radne smjene	2009-01-30
		metilhipurna kiselina: 0.88 mol/mol kreatinina (Krv)	na kraju radne smjene	2009-01-30
		metilhipurna kiselina: 1.5 g/g kreatinin (Krv)	na kraju radne smjene	2009-01-30
Benzene, dimethyl-	1330-20-7	ksilen: 1,5 mg/l (Krv)	na kraju radne smjene	2009-01-30
		ksilen: 14.13 µmol/l (Krv)	na kraju radne smjene	2009-01-30
		metilhipurna kiselina: 0.88 mol/mol kreatinina (Krv)	na kraju radne smjene	2009-01-30
		metilhipurna kiselina: 1.5 g/g kreatinin (Krv)	na kraju radne smjene	2009-01-30
p-xylene	106-42-3	ksilen: 14.13 µmol/l (Krv)	na kraju radne smjene	2009-01-30
		ksilen: 1,5 mg/l (Krv)	na kraju radne smjene	2009-01-30
		metilhipurna kiselina: 0.88 mol/mol kreatinina (Krv)	na kraju radne smjene	2009-01-30
		metilhipurna kiselina: 1.5 g/g kreatinin (Krv)	na kraju radne smjene	2009-01-30
m-xylene	108-38-3	ksilen: 14.13 µmol/l (Krv)	na kraju radne smjene	2009-01-30
		ksilen: 1,5 mg/l (Krv)	na kraju radne smjene	2009-01-30
		metilhipurna kiselina: 0.88 mol/mol kreatinina (Krv)	na kraju radne smjene	2009-01-30
		metilhipurna kiselina: 1.5 g/g kreatinin (Krv)	na kraju radne smjene	2009-01-30

GB

Substance name	CAS-No.	Control parameters	Sampling time	Update
Benzene, dimethyl-	1330-20-7	methyl hippuric acid: 650 mmol/mol creatinine (Urine)	After shift	2011-12-18

FI

Aineen nimi	CAS-Nro.	Valvontaa koskevat muuttujat	Näytteenottoaika	Päivämäärä
Ethylbenzene	100-41-4	mantelihappo: 5.2 mmol/l (Virtsa)	Työvuoron päätyttyä työviikon tai altistumisjakson loputtua	2014-04-01
o-xylene	95-47-6	metyylihippuurihappo: 5 mmol/l (Virtsa)	Työvuoron päätyttyä	2014-05-06
Benzene, dimethyl-	1330-20-7	metyylihippuurihappo: 5 mmol/l (Virtsa)	Työvuoron päätyttyä	2014-05-06
p-xylene	106-42-3	metyylihippuurihappo: 5 mmol/l (Virtsa)	Työvuoron päätyttyä	2014-05-06
m-xylene	108-38-3	metyylihippuurihappo: 5 mmol/l (Virtsa)	Työvuoron päätyttyä	2014-05-06

ES

Nombre de la sustancia	No. CAS	Parámetros de control	Hora de muestreo	Puesto al día
Ethylbenzene	100-41-4	suma del ácido mandélico y el ácido fenilglioxílico: 700 mg/g creatinina (Orina)	Final de la semana laboral	2015-02-01
o-xylene	95-47-6	ácidos metilhipúricos: 1 g/g creatinina (Orina)	Final de la jornada laboral	2014-01-01

Benzene, dimethyl-	1330-20-7	ácidos metilhipúricos: 1.5 g/g creatinina (Orina)	final de la jornada laboral	2011-03-03
		ácidos metilhipúricos: 1 g/g creatinina (Orina)	Final de la jornada laboral	2014-01-01
p-xylene	106-42-3	ácidos metilhipúricos: 1 g/g creatinina (Orina)	Final de la jornada laboral	2014-01-01
m-xylene	108-38-3	ácidos metilhipúricos: 1 g/g creatinina (Orina)	Final de la jornada laboral	2014-01-01

DE

Stoffname	CAS-Nr.	Zu überwachende Parameter	Probennahmezeitpunkt	Stand
Ethylbenzene	100-41-4	Mandelsäure + Phenylglyoxylsäure: 300 mg/l (Urin)	Expositionsende, bzw. Schichtende	2013-04-04
Benzene, dimethyl-	1330-20-7	Xylol: 1,5 mg/l (Blut)	Expositionsende, bzw. Schichtende	2013-09-19
		Methylhippur-(Tolur-)säure (alle Isomere): 2 g/l (Urin)	Expositionsende, bzw. Schichtende	2013-09-19
Cumene	98-82-8	2-Phenyl-2-propanol: 10 mg/g Kreatinin (Urin)	Expositionsende, bzw. Schichtende	2015-11-06
1,2,4-Trimethylbenzene	95-63-6	Dimethylbenzoesäuren (Summe aller Isomeren): 400 mg/g Kreatinin (Urin)	Expositionsende, bzw. Schichtendebei Langzeitexposition: nach mehreren vorangegangenen Schichten	2013-04-04
Ethylbenzene	100-41-4	Mandelsäure + Phenylglyoxylsäure: 300 mg/l (Urin)	Expositionsende, bzw. Schichtende	2013-04-04
o-xylene	95-47-6	Xylol: 1,5 mg/l (Blut)	Expositionsende, bzw. Schichtende	2013-09-19
		Methylhippur-(Tolur-)säure (alle Isomere): 2 g/l (Urin)	Expositionsende, bzw. Schichtende	2013-09-19
Benzene, dimethyl-	1330-20-7	Xylol: 1,5 mg/l (Blut)	Expositionsende, bzw. Schichtende	2013-09-19
		Methylhippur-(Tolur-)säure (alle Isomere): 2 g/l (Urin)	Expositionsende, bzw. Schichtende	2013-09-19
1,2,3-trimethylbenzene	526-73-8	Dimethylbenzoesäuren (Summe aller Isomeren): 400 mg/g Kreatinin (Urin)	Expositionsende, bzw. Schichtendebei Langzeitexposition: nach mehreren vorangegangenen Schichten	2013-04-04
1,3,5-Trimethylbenzene	108-67-8	Dimethylbenzoesäuren (Summe aller Isomeren): 400 mg/g Kreatinin (Urin)	Expositionsende, bzw. Schichtendebei Langzeitexposition: nach mehreren vorangegangenen Schichten	2013-04-04
p-xylene	106-42-3	Xylol: 1,5 mg/l (Blut)	Expositionsende, bzw. Schichtende	2013-09-19
		Methylhippur-(Tolur-)säure (alle Isomere): 2 g/l (Urin)	Expositionsende, bzw. Schichtende	2013-09-19
m-xylene	108-38-3	Xylol: 1,5 mg/l (Blut)	Expositionsende, bzw. Schichtende	2013-09-19
		Methylhippur-(Tolur-)säure (alle Isomere): 2 g/l (Urin)	Expositionsende, bzw. Schichtende	2013-09-19

CZ

Název látky	Č. CAS	Kontrolní parametry	Doba odběru vzorku	Aktualizace
Ethylbenzene	100-41-4	Mandlová kyselina: 1500 mg/g kreatininu (moč)	Konec směny	2003-12-15
		Mandlová kyselina: 1100 µmol/mmol kreatininu (moč)	Konec směny	2003-12-15
o-xylene	95-47-6	Methylhippurové kyseliny: 1400 mg/g kreatininu (moč)	Konec směny	2003-12-15
		Methylhippurové kyseliny: 820 µmol/mmol kreatininu (moč)	Konec směny	2003-12-15

Benzene, dimethyl-	1330-20-7	Methylhippurové kyseliny: 1400 mg/g kreatininu (moč)	Konec směny	2003-12-15
		Methylhippurové kyseliny: 820 µmol/mmol kreatininu (moč)	Konec směny	2003-12-15
p-xylene	106-42-3	Methylhippurové kyseliny: 1400 mg/g kreatininu (moč)	Konec směny	2003-12-15
		Methylhippurové kyseliny: 820 µmol/mmol kreatininu (moč)	Konec směny	2003-12-15
m-xylene	108-38-3	Methylhippurové kyseliny: 1400 mg/g kreatininu (moč)	Konec směny	2003-12-15
		Methylhippurové kyseliny: 820 µmol/mmol kreatininu (moč)	Konec směny	2003-12-15

CH

Stoffname	CAS-Nr.	Zu überwachende Parameter	Probennahmezeitpunkt	Stand
Ethylbenzene	100-41-4	Ethylbenzol: 1,5 mg/l (Blut)	Expositionsende, bzw. Schichtende	2005-01-01
		Ethylbenzol: 14.1 µmol/l (Blut)	Expositionsende, bzw. Schichtende	2005-01-01
		Mandelsäure plus Phenylglyoxylsäure: 800 mg/l (Urin)	Expositionsende, bzw. Schichtende	2014-01-01
Benzene, dimethyl-	1330-20-7	Xylol: 1,5 mg/l (Blut)	Expositionsende, bzw. Schichtende	2009-01-01
		Methyl-Hippursäure: 1.5 g/g Kreatinin (Urin)	Expositionsende, bzw. Schichtendebei Langzeitexposition: nach mehreren vorangegangenen Schichten	2009-01-01
		Methyl-Hippursäure: 874 µmol/mmol Kreatinin (Urin)	Expositionsende, bzw. Schichtendebei Langzeitexposition: nach mehreren vorangegangenen Schichten	2009-01-01
		Xylol: 14.1 µmol/l (Blut)	Expositionsende, bzw. Schichtende	2009-01-01
Cumene	98-82-8	2-Phenyl-2-propanol: 20 mg/g Kreatinin (Urin)	Expositionsende, bzw. Schichtende	2016-01-01
		2-Phenyl-2-propanol: 16.6 µmol/mmol Kreatinin (Urin)	Expositionsende, bzw. Schichtende	2016-01-01
Ethylbenzene	100-41-4	Ethylbenzol: 1,5 mg/l (Blut)	Expositionsende, bzw. Schichtende	2005-01-01
		Ethylbenzol: 14.1 µmol/l (Blut)	Expositionsende, bzw. Schichtende	2005-01-01
		Mandelsäure plus Phenylglyoxylsäure: 800 mg/l (Urin)	Expositionsende, bzw. Schichtende	2014-01-01
o-xylene	95-47-6	Xylol: 1,5 mg/l (Blut)	Expositionsende, bzw. Schichtende	2009-01-01
		Methyl-Hippursäure: 1.5 g/g Kreatinin (Urin)	Expositionsende, bzw. Schichtendebei Langzeitexposition: nach mehreren vorangegangenen Schichten	2009-01-01
		Methyl-Hippursäure: 874 µmol/mmol Kreatinin (Urin)	Expositionsende, bzw. Schichtendebei Langzeitexposition: nach mehreren vorangegangenen Schichten	2009-01-01
		Xylol: 14.1 µmol/l (Blut)	Expositionsende, bzw. Schichtende	2009-01-01
Benzene, dimethyl-	1330-20-7	Xylol: 1,5 mg/l (Blut)	Expositionsende, bzw. Schichtende	2009-01-01

		Methyl-Hippursäure: 1.5 g/g Kreatinin (Urin)	Expositionsende, bzw. Schichtendebei Langzeitexpositio n: nach mehreren vorangegangene n Schichten	2009-01-01
		Methyl-Hippursäure: 874 µmol/mmol Kreatinin (Urin)	Expositionsende, bzw. Schichtendebei Langzeitexpositio n: nach mehreren vorangegangene n Schichten	2009-01-01
		Xylol: 14.1 µmol/l (Blut)	Expositionsende, bzw. Schichtende	2009-01-01
p-xylene	106-42-3	Xylol: 1,5 mg/l (Blut)	Expositionsende, bzw. Schichtende	2009-01-01
		Methyl-Hippursäure: 1.5 g/g Kreatinin (Urin)	Expositionsende, bzw. Schichtendebei Langzeitexpositio n: nach mehreren vorangegangene n Schichten	2009-01-01
		Methyl-Hippursäure: 874 µmol/mmol Kreatinin (Urin)	Expositionsende, bzw. Schichtendebei Langzeitexpositio n: nach mehreren vorangegangene n Schichten	2009-01-01
		Xylol: 14.1 µmol/l (Blut)	Expositionsende, bzw. Schichtende	2009-01-01
m-xylene	108-38-3	Xylol: 1,5 mg/l (Blut)	Expositionsende, bzw. Schichtende	2009-01-01
		Methyl-Hippursäure: 1.5 g/g Kreatinin (Urin)	Expositionsende, bzw. Schichtendebei Langzeitexpositio n: nach mehreren vorangegangene n Schichten	2009-01-01
		Methyl-Hippursäure: 874 µmol/mmol Kreatinin (Urin)	Expositionsende, bzw. Schichtendebei Langzeitexpositio n: nach mehreren vorangegangene n Schichten	2009-01-01
		Xylol: 14.1 µmol/l (Blut)	Expositionsende, bzw. Schichtende	2009-01-01
Cumene	98-82-8	2-Phenyl-2-propanol: 20 mg/g Kreatinin (Urin)	Expositionsende, bzw. Schichtende	2016-01-01
		2-Phenyl-2-propanol: 16.6 µmol/mmol Kreatinin (Urin)	Expositionsende, bzw. Schichtende	2016-01-01

BG

Наименование на веществото	CAS номер	Параметри на контрол	Време на взимане на пробата	Нова Информация
Ethylbenzene	100-41-4	бадемена киселина и фенилглиоксалова киселина - сумарно: 2000 mg/g креатинин (Урина)	В края на експозицията или в края на работната смяна	2007-08-17

AT

Stoffname	CAS-Nr.	Zu überwachende Parameter	Probennahmezeit punkt	Stand

o-xylene	95-47-6	Methylhippursäure: 1,5 g/l (Urin)	Nach Ablauf einer Arbeitswoche/am Ende des Arbeitstages/am Schichtende	2014-02-18
		Xylol: 1 mg/l (Blut)	Am Ende eines Arbeitstages	2014-02-18
Benzene, dimethyl-	1330-20-7	Methylhippursäure: 1,5 g/l (Urin)	Nach Ablauf einer Arbeitswoche/am Ende des Arbeitstages/am Schichtende	2014-02-18
		Xylol: 1 mg/l (Blut)	Am Ende eines Arbeitstages	2014-02-18
p-xylene	106-42-3	Methylhippursäure: 1,5 g/l (Urin)	Nach Ablauf einer Arbeitswoche/am Ende des Arbeitstages/am Schichtende	2014-02-18
		Xylol: 1 mg/l (Blut)	Am Ende eines Arbeitstages	2014-02-18
m-xylene	108-38-3	Methylhippursäure: 1,5 g/l (Urin)	Nach Ablauf einer Arbeitswoche/am Ende des Arbeitstages/am Schichtende	2014-02-18
		Xylol: 1 mg/l (Blut)	Am Ende eines Arbeitstages	2014-02-18

Engineering measures

Adequate ventilation to control airborned concentrations below the exposure guidelines/limits. Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

Personal protective equipment

Respiratory protection : Wear a supplied-air NIOSH approved respirator unless ventilation or other engineering controls are adequate to maintain minimal oxygen content of 19.5% by volume under normal atmospheric pressure. Wear a NIOSH approved respirator that provides protection when working with this material if exposure to harmful levels of airborne material may occur, such as:. Air-Purifying Respirator for Organic Vapors. Use a positive pressure, air-supplying respirator if there is potential for uncontrolled release, exposure levels are not known, or other circumstances where air-purifying respirators may not provide adequate protection.

Hand protection : The suitability for a specific workplace should be discussed with the producers of the protective gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Eye protection : Eye wash bottle with pure water. Tightly fitting safety goggles.

Skin and body protection : Choose body protection in relation to its type, to the

concentration and amount of dangerous substances, and to the specific work-place. Wear as appropriate:. Flame retardant antistatic protective clothing. Workers should wear antistatic footwear.

Hygiene measures : When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

Protective measures : Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance

Physical state	:	Liquid
Color	:	Yellow
Odor	:	Stench

Safety data

Flash point	:	44,9 °C (112,8 °F) Method: Tag closed cup
Lower explosion limit	:	No data available
Upper explosion limit	:	No data available
Oxidizing properties	:	No
Autoignition temperature	:	No data available
Thermal decomposition	:	No data available
Molecular formula	:	Mixture
Molecular weight	:	Not applicable
pH	:	Not applicable
Pour point	:	No data available
Boiling point/boiling range	:	146 - 316 °C (295 - 601 °F)
Vapor pressure	:	No data available
Relative density	:	0,817 at 15,6 °C (60,1 °F)
Density	:	817,1 g/l
Water solubility	:	Negligible
Partition coefficient: n-octanol/water	:	No data available
Viscosity, kinematic	:	1,8 cSt

at 40 °C (104 °F)

Relative vapor density	:	3 (Air = 1.0)
Evaporation rate	:	< 1
Percent volatile	:	> 99 %

SECTION 10: Stability and reactivity

Chemical stability	:	This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Possibility of hazardous reactions

Conditions to avoid	:	Heat, flames and sparks.
Materials to avoid	:	May react with oxygen and strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
Thermal decomposition	:	No data available
Hazardous decomposition products	:	Carbon oxides
Other data	:	No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

Diesel Reference Fuel U-30
Acute oral toxicity : LD50: > 5.000 mg/kg
Species: Rat
Method: Acute toxicity estimate

Diesel Reference Fuel U-30
Acute inhalation toxicity : LC50: > 20 mg/l
Exposure time: 4 h
Species: Rat
Test atmosphere: dust/mist
Method: Acute toxicity estimate

Diesel Reference Fuel U-30
Acute dermal toxicity : LD50: > 5.000 mg/kg
Species: Rabbit
Method: Acute toxicity estimate

Diesel Reference Fuel U-30
Skin irritation : Skin irritation

May cause skin irritation in susceptible persons.

Diesel Reference Fuel U-30
Eye irritation : Eye irritation.
May cause irreversible eye damage.

Diesel Reference Fuel U-30
Sensitization : Does not cause sensitization.

Diesel Reference Fuel U-30
Repeated dose toxicity : Method: Based on product or component testing, long term repeated exposure may cause damage to the following organs:
Target Organs: Auditory organs, Eyes, Blood, Thymus, Liver
Estimated based on individual component values.

Diesel Reference Fuel U-30
Carcinogenicity : Method: Expected to be carcinogenic based on individual component data.

Developmental Toxicity

Distillates (petroleum), Hydrotreated light	: Species: Rat Application Route: Inhalation Dose: 0, 106, 364 mg/l Exposure time: 6h/d Test period: GD 6 - 20 NOAEL Teratogenicity: >= 364 mg/l NOAEL Maternal: >= 364 mg/l Species: Rat Application Route: oral gavage Dose: 500, 1000, 1500, 2000 mg/kg/d Exposure time: 10 d Test period: GD 6 - 15 Method: OECD Guideline 414 NOAEL Teratogenicity: 1.000 mg/kg NOAEL Maternal: 500 mg/kg
Aromatic hydrocarbons, C9-11	Species: Rat Application Route: Oral diet Dose: 0, 75, 150, 450 mg/kg/day Exposure time: GD 6-15 NOAEL Teratogenicity: >450 mg/kg/day NOAEL Maternal: 150 mg/kg/day
Light Cycle Oil	Species: Rat Application Route: Dermal Dose: 1, 50, 250 mg/kg/d Number of exposures: once daily Test period: GD 0-19 Method: OECD Guideline 414 NOAEL Teratogenicity: 1 mg/kg NOAEL Maternal: 1 mg/kg
Benzene, dimethyl-	Species: Rat Application Route: Inhalation Dose: 0, 805, 1610 ppm

	Number of exposures: 6 h/d Test period: GD 7-16 NOAEL Maternal: 1610 ppm Species: Mouse Application Route: oral gavage Dose: 0, 780, 1960, 2619 mg/kg Number of exposures: 3 times/d Test period: GD 6-15 NOAEL Teratogenicity: 780 mg/kg NOAEL Maternal: 780 mg/kg
Cumene	Species: Rat Application Route: Inhalation Dose: 0, 100, 500, 1200 ppm Number of exposures: 6 h/d Test period: GD 6-15 NOAEL Teratogenicity: > 1200 ppm NOAEL Maternal: 100 ppm Species: Rabbit Application Route: Inhalation Dose: 0, 500, 1200, 2300 ppm Number of exposures: 6 h/d Test period: GD 6-18 NOAEL Teratogenicity: > 2300 ppm
Naphthalene	Species: Rabbit Application Route: oral gavage Dose: 40, 200, 400 mg/kg Test period: 29 d, GD 6-18 NOAEL Teratogenicity: 400 mg/kg

Diesel Reference Fuel U-30

Aspiration toxicity : Substances known to cause human aspiration toxicity hazards or to be regarded as if they cause human aspiration toxicity hazard.

CMR effects

Ethylbenzene	: Mutagenicity: In vivo tests did not show mutagenic effects Teratogenicity: Did not show teratogenic effects in animal experiments. Reproductive toxicity: No toxicity to reproduction
Light Cycle Oil	Carcinogenicity: Possible human carcinogen
Benzene, dimethyl-	Carcinogenicity: Not classifiable as a human carcinogen. Mutagenicity: Did not show mutagenic effects in animal experiments. Teratogenicity: Damage to fetus not classifiable
Naphthalene	Carcinogenicity: Limited evidence of carcinogenicity in animal studies

Diesel Reference Fuel U-30

Further information : Solvents may degrease the skin.

SECTION 12: Ecological information

Ecotoxicity effects

Toxicity to fish : Very toxic to fish.
Estimated based on individual component values.

Toxicity to daphnia and other aquatic invertebrates : LC50: < 1 mg/l
Exposure time: 48 h
Method: Estimated based on individual component values.

Toxicity to algae : EC50: < 1 mg/l
Exposure time: 96 h
Method: Estimated based on individual component values.

Distillates (petroleum), light catalytic cracked : 1

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)

Distillates (petroleum), Hydrotreated light : NOEC: 0,48 mg/l
Exposure time: 21 Days
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 211

Ethylbenzene : NOEC: 1 mg/l
Exposure time: 7 d
Species: Daphnia pulex (Water flea)
semi-static test
Analytical monitoring: yes

Elimination information (persistence and degradability)

Bioaccumulation

Aromatic hydrocarbons, C9-11 : Does not significantly accumulate in organisms.

Solvent Naphtha (Petroleum), Heavy Aromatic : Does not significantly accumulate in organisms.

Benzene, dimethyl- : This material is not expected to bioaccumulate.

Biodegradability : No data available

Ecotoxicology Assessment

Acute aquatic toxicity

Distillates (petroleum), Hydrotreated light : Toxic to aquatic life.

Light Aromatic Solvent Naphtha : Toxic to aquatic life.

Solvent Naphtha (Petroleum), Heavy Aromatic : Toxic to aquatic life.

1,2,4-Trimethylbenzene : Toxic to aquatic life.

Ethylbenzene	:	Toxic to aquatic life.
Light Cycle Oil	:	Very toxic to aquatic life.
Benzene, dimethyl-	:	Toxic to aquatic life.
1,3,5-Trimethylbenzene	:	Toxic to aquatic life.
1,2,3-trimethylbenzene	:	Toxic to aquatic life.
Cumene	:	Toxic to aquatic life.
Naphthalene	:	Very toxic to aquatic life.

Chronic aquatic toxicity

Distillates (petroleum), Hydrotreated light	:	Toxic to aquatic life with long lasting effects.
Light Aromatic Solvent Naphtha	:	Toxic to aquatic life with long lasting effects.
Solvent Naphtha (Petroleum), Heavy Aromatic	:	Toxic to aquatic life with long lasting effects.
1,2,4-Trimethylbenzene	:	Toxic to aquatic life with long lasting effects.
Ethylbenzene	:	Harmful to aquatic life with long lasting effects.
Light Cycle Oil	:	Very toxic to aquatic life with long lasting effects.
1,3,5-Trimethylbenzene	:	Toxic to aquatic life with long lasting effects.
1,2,3-trimethylbenzene	:	Toxic to aquatic life with long lasting effects.
Naphthalene	:	Very toxic to aquatic life with long lasting effects.
Toxicity Data on Soil	:	No data available
Other organisms relevant to the environment	:	No data available
Impact on Sewage Treatment	:	No data available
Results of PBT assessment	:	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Additional ecological information	:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Very toxic to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

The information in this SDS pertains only to the product as shipped.

Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by US EPA under RCRA (40 CFR 261) or other State and local regulations. Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. If this material is classified as a hazardous waste, federal law requires disposal at a licensed hazardous waste disposal facility.

Product	:	The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.
Contaminated packaging	:	Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

SECTION 14: Transport information

The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments in non-bulk packages (see regulatory definition).

Consult the appropriate domestic or international mode-specific and quantity-specific Dangerous Goods Regulations for additional shipping description requirements (e.g., technical name or names, etc.) Therefore, the information shown here, may not always agree with the bill of lading shipping description for the material. Flashpoints for the material may vary slightly between the SDS and the bill of lading.

US DOT (UNITED STATES DEPARTMENT OF TRANSPORTATION)
UN1202, DIESEL FUEL, 3, III

IMO / IMDG (INTERNATIONAL MARITIME DANGEROUS GOODS)
UN1202, DIESEL FUEL, 3, III, (44,9 °C), MARINE POLLUTANT, (DISTILLATES (PETROLEUM) HYDROTREATED LIGHT)

IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION)
UN1202, DIESEL FUEL, 3, III

ADR (AGREEMENT ON DANGEROUS GOODS BY ROAD (EUROPE))
UN1202, DIESEL FUEL, 3, III, (D/E), ENVIRONMENTALLY HAZARDOUS, (DISTILLATES (PETROLEUM) HYDROTREATED LIGHT)

RID (REGULATIONS CONCERNING THE INTERNATIONAL TRANSPORT OF DANGEROUS GOODS (EUROPE))
UN1202, DIESEL FUEL, 3, III, ENVIRONMENTALLY HAZARDOUS, (DISTILLATES (PETROLEUM) HYDROTREATED LIGHT)

ADN (EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY INLAND WATERWAYS)
UN1202, DIESEL FUEL, 3, III, ENVIRONMENTALLY HAZARDOUS, (DISTILLATES (PETROLEUM) HYDROTREATED LIGHT)

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

SECTION 15: Regulatory information

National legislation

Chemical Safety Assessment

Ingredients	:	Solvent naphtha (petroleum), light arom.	265-199-0
Chemical Safety Assessment			
		Distillates (petroleum), light catalytic cracked	265-060-4

Major Accident Hazard Legislation : 96/82/EC Update:
Flammable.
6
Quantity 1: 5.000 t
Quantity 2: 50.000 t

: 96/82/EC Update:
Dangerous for the environment
9b
Quantity 1: 200 t
Quantity 2: 500 t

: 96/82/EC Update:
Petroleum products: (a) gasolines and naphthas, (b) kerosenes (including jet fuels), (c) gas oils (including diesel fuels, home heating oils and gas oil blending streams),(d) heavy fuel oils
13
Quantity 1: 2.500 t
Quantity 2: 25.000 t

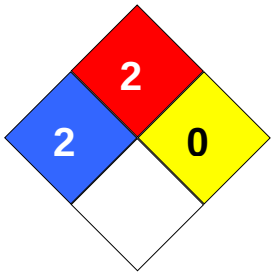
Water contaminating class (Germany) : WGK 3 highly water endangering

Notification status

Europe REACH	:	On the inventory, or in compliance with the inventory
Switzerland CH INV	:	On the inventory, or in compliance with the inventory
United States of America (USA) TSCA	:	On TSCA Inventory
Canada DSL	:	All components of this product are on the Canadian DSL
Australia AICS	:	On the inventory, or in compliance with the inventory
New Zealand NZIoC	:	Not in compliance with the inventory
Japan ENCS	:	On the inventory, or in compliance with the inventory
Korea KECI	:	On the inventory, or in compliance with the inventory
Philippines PICCS	:	On the inventory, or in compliance with the inventory
China IECSC	:	On the inventory, or in compliance with the inventory

SECTION 16: Other information

NFPA Classification : Health Hazard: 2
Fire Hazard: 2
Reactivity Hazard: 0



Further information

Legacy SDS Number : 664950

Significant changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information in this SDS pertains only to the product as shipped.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Key or legend to abbreviations and acronyms used in the safety data sheet			
ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AICS	Australia, Inventory of Chemical Substances	LOAEL	Lowest Observed Adverse Effect Level
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agency
NDSL	Canada, Non-Domestic Substances List	NIOSH	National Institute for Occupational Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commercial Chemical Substances
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act.
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and	TSCA	Toxic Substance Control Act

	New Chemical Substances		
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50	Lethal Concentration 50%		

Full text of H-Statements referred to under sections 2 and 3.

H225	Highly flammable liquid and vapor.
H226	Flammable liquid and vapor.
H228	Flammable solid.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H340	May cause genetic defects.
H350	May cause cancer.
H351	Suspected of causing cancer.
H370	Causes damage to organs.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure if inhaled.
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.