

**Orthoxylene 99%**

Version 1.6

Revision Date 2017-04-20

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

Product Name : Orthoxylene 99%
Material : 1085274, 1025304, 1030504, 1015398, 1094430, 1028357,
1033221, 1031056, 1025157

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: +800 CHEMCALL (+800 2436 2255) China:+86-21-22157316
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**

SDS Number:100000014230

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REGULATION (EC) No 1272/2008

Flammable liquids, Category 3	H226: Flammable liquid and vapor.
Acute toxicity, Category 4	H332: Harmful if inhaled.
Acute toxicity, Category 4	H312: Harmful in contact with skin.
Skin irritation, Category 2	H315: Causes skin irritation.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Specific target organ systemic toxicity - single exposure, Category 3, Respiratory system	H335: May cause respiratory irritation.
Aspiration hazard, Category 1	H304: May be fatal if swallowed and enters airways.
Chronic aquatic toxicity, Category 3	H412: Harmful 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. H312 + H332 Harmful in contact with skin or if inhaled. H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H412 Harmful to aquatic life with long lasting effects.
Precautionary Statements	:	Prevention: P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261 Avoid breathing dust/fume/gas/mist/vapors/spray. P273 Avoid release to the environment. Response: P301 + P310 IF SWALLOWED: Immediately 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:

- 95-47-6 o-xylene

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SECTION 3: Composition/information on ingredients

Synonyms : O-Xylene
Benzene, 1,2-Dimethyl-

Molecular formula : C₈H₁₀

Mixtures**Hazardous ingredients**

Chemical name	CAS-No. EC-No. Index No.	Classification (REGULATION (EC) No 1272/2008)	Concentration [wt%]
o-xylene	95-47-6 202-422-2 601-022-00-9	Flam. Liq. 3; H226 Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit. 2; H315 STOT SE 3; H335 Asp. Tox. 1; H304 Aquatic Chronic 3; H412	99 - 100

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 : 32 °C (90 °F)
Method: Tag closed cup

Autoignition temperature : No data available

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Suitable extinguishing media	: Alcohol-resistant foam. Carbon dioxide (CO ₂). 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. 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.
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Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary, but may not by themselves be sufficient. Review all operations, which have the potential to generating and accumulation of electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. For more information, refer to OSHA Standard 29 CFR 1910.106 "Flammable and Combustible Liquids"; National Fire Protection Association (NFPA 77), "Recommended Practice on Static Electricity"; and/or the American Petroleum Institute (API) Recommended Practice 2003, "Protection Against Ignitions Arising Out of Static, Lightning, and stray Currents".

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
o-xylene	SK OEL	NPEL priemerný	50 ppm, 221 mg/m ³	K,
	SK OEL	NPEL krátkodobý	100 ppm, 442 mg/m ³	K,

K Znamená, že faktor môže byť ľahko absorbovaný kožou. Niektoré faktory, ktoré ľahko prenikajú kožou, môžu spôsobovať až smrteľné otravy, často bez varovných príznakov (napr. anilín, nitrobenzén, nitroglykol, fenoly a pod.). Pri látkach s významným prienikom cez kožu, či už v podobe kvapalín alebo pár, je osobitne dôležité zabrániť kožnému kontaktu.

SI

Sestavine	Osnova	Vrednost	Parametri nadzora	Pripomba
o-xylene	SI OEL	MV	50 ppm, 221 mg/m ³	EU*, K, BAT,

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 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 zdravia 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
o-xylene	SE AFS	NGV	50 ppm, 200 mg/m ³	H,
	SE AFS	KTV	100 ppm, 450 mg/m ³	H,
	SE AFS	NGV	50 ppm, 221 mg/m ³	H,
	SE AFS	KTV	100 ppm, 442 mg/m ³	H,

H Ämnet kan lätt upptas genom huden.

RS

Компоненты	Основа	Величина	Параметры контроля	Заметка
o-xylene	RS OEL	GVI	50 ppm, 221 mg/m ³	K, EU*,
	RS OEL	KGVI	100 ppm, 442 mg/m ³	K, EU*,

EU* Substance mentioned in indicative exposure limit values in Directive 2000/39 / EC (first list)

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K This chemical substance can adversely affect the skin.

PT

Componentes	Bases	Valor	Parâmetros de controlo	Nota
o-xylene	PT OEL	VLE-MP	100 ppm,	(1), A4, IBE, irritação do TRS, afecção do SNC,
	PT OEL	VLE_CD	150 ppm,	(1), A4, IBE, irritação do TRS, afecção do SNC,
	PT OEL	VLE-MP	100 ppm,	(1), A4, IBE, irritação do TRS, afecção do SNC,
	PT OEL	VLE_CD	150 ppm,	(1), A4, IBE, irritação do TRS, afecção 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,

- (1) Abrangido por legislação nacional específica ou por legislação comunitária não transposta
- A4 Agente não classificável como carcinogénico no Homem.
- afecção do SNC afecção 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

PL

Składniki	Podstawa	Wartość	Parametry dotyczące kontroli	Uwaga
o-xylene	PL NDS	NDS	100 mg/m3	

NO

Komponenter	Grunnlag	Verdi	Kontrollparametrer	Nota
o-xylene	FOR-2011-12-06-1358	TWA	25 ppm, 108 mg/m3	E, 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.

NL

Bestanddelen	Basis	Waarde	Controleparameters	Opmerking
o-xylene	NL WG	TGG-8 uur	210 mg/m3	H,
	NL WG	TGG-15 min	442 mg/m3	H,

H Huidopname

MT

Ingredients	Basis	Value	Control parameters	Note
o-xylene	MT OEL	TWA	50 ppm, 221 mg/m3	Skin,
	MT OEL	STEL	100 ppm, 442 mg/m3	Skin,

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
o-xylene	MK OEL	MV	50 ppm, 221 mg/m3	BAT, EU, K,

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
o-xylene	LV OEL	AER 8 st	50 ppm, 221 mg/m3	Āda,
	LV OEL	AER īslaicīgā	100 ppm, 442 mg/m3	Āda,

Āda Āda

LU

Composants	Base	Valeur	Paramètres de contrôle	Note
o-xylene	LU OEL	TWA	50 ppm, 221 mg/m3	Peau,
	LU OEL	STEL	100 ppm, 442 mg/m3	Peau,

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

LT

Komponentai	Pagrindas, bazė	Vertė	Kontrolės parametrai	Pastaba
o-xylene	LT OEL	IPRD	50 ppm, 200 mg/m3	O,
	LT OEL	TPRD	100 ppm, 450 mg/m3	O,

O Oksiduojanti

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IT

Componenti	Base	Valore	Parametri di controllo	Nota
o-xylene	IT OEL	TWA	50 ppm, 221 mg/m3	Pelle,
	IT OEL	STEL	100 ppm, 442 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
o-xylene	IS OEL	TWA	25 ppm, 109 mg/m3	H,
	IS OEL	STEL	100 ppm, 442 mg/m3	H,

H Skin notation

IE

Ingredients	Basis	Value	Control parameters	Note
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,

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
o-xylene	HU OEL	AK-érték	221 mg/m3	b, EU1,
	HU OEL	CK-érték	442 mg/m3	b, EU1,

b Bőrön át is felszívódik. Az AK-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

HR

Sastojci	Temelj	Vrijednost	Nadzorni parametri	Bilješka
o-xylene	HR OEL	GVI	50 ppm, 221 mg/m3	K, EU*, Xn,
	HR OEL	STEL	100 ppm, 442 mg/m3	K, EU*, Xn,

EU* Naznaka da se radi o tvarima za koje su utvrđene indikativne granične vrijednosti izloženosti prema Direktivi 2000/39/ EC (prva lista)
K naznaka da tvar može štetno djelovati kroz kožu
Xn Štetno za zdravlje

GR

Συστατικά	Βάση	Τιμή	Παράμετροι ελέγχου	Σημείωση
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,

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.

FR

Composants	Base	Valeur	Paramètres de contrôle	Note
o-xylene	FR VLE	VME	50 ppm, 221 mg/m3	*, noir,
	FR VLE	VLCT (VLE)	100 ppm, 442 mg/m3	*, noir,

* Risque de pénétration percutanée
noir Valeurs limites réglementaires contraignantes

FI

Aineosat	Peruste	Arvo	Valvontaa koskevat muuttujat	Huomautus
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,

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
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,

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.

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EE

Komponendid, osad	Alused	Väärtus	Kontrolliparameetrid	Märkused
o-xylene	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,

A Naha kaudu kergesti absorbeeruvad ained

DK

Komponenter	Basis	Værdi	Kontrolparametre	Note
o-xylene	DK OEL	GV	25 ppm, 109 mg/m3	H, E,
	DK OEL	GV	25 ppm, 109 mg/m3	H, E,

E At stoffet har en EF-grænseværdi

H Betyder, at stoffet kan optages gennem huden.

DE

Inhaltsstoffe	Grundlage	Wert	Zu überwachende Parameter	Bemerkung
o-xylene	DE TRGS 900	AGW	100 ppm, 440 mg/m3	DFG, EU, H,

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.)

H Hautresorptiv

CZ

Složky	Základ	Hodnota	Kontrolní parametry	Poznámka
o-xylene	CZ OEL	PEL	200 mg/m3	D,
	CZ OEL	NPK-P	400 mg/m3	D,

D Při expozici se významně uplatňuje pronikání látky kůží

CY

Συστατικά	Βάση	Τιμή	Παράμετροι ελέγχου	Σημείωση
o-xylene	CY OEL	TWA	50 ppm, 221 mg/m3	
	CY OEL	STEL	100 ppm, 442 mg/m3	

CH

Inhaltsstoffe	Grundlage	Wert	Zu überwachende Parameter	Bemerkung
o-xylene	CH SUVA	MAK-Wert	100 ppm, 435 mg/m3	H, NIOSH, INRS,
	CH SUVA	KZGW	200 ppm, 870 mg/m3	H, NIOSH, INRS,

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

BG

Съставки	Основа	Стойност	Параметри на контрол	Бележка
o-xylene	BG OEL	TWA	50 ppm, 221 mg/m3	-,
	BG OEL	STEL	100 ppm, 442 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
o-xylene	BE OEL	TGG 8 hr	50 ppm, 221 mg/m3	D,
	BE OEL	TGG 15 min	100 ppm, 442 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
o-xylene	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,

H Besondere Gefahr der Hautresorption

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Biological exposure indices**SK**

Názov látky	Č. CAS	Kontrolné parametre	Doba odberu vzorky	Aktualizácia
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

RO

Numele substanței	Nr. CAS	Parametri de control	Timp de prelevare a probei	Adus la zi
o-xylene	95-47-6	acid metilhipuric: 3 g/l (Urină)	Sfârșit schimb	2002-11-25

PT

Nome da substância	No. CAS	Parâmetros de controlo	Tempo de amostra	Atualizada em
o-xylene	95-47-6	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
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HU

Az anyag megnevezése	CAS szám	Ellenőrzési paraméterek	Mintavétel időpontja	Aktualizálás
o-xylene	95-47-6	metil-hippursavak: 1500 mg/g kreatinin (húgyhólyag)	műszak után	2016-08-25
		metil-hippursavak: 860 mikromol/mmol kreatinin (kerekített értékek) (húgyhólyag)	műszak után	2016-08-25

HR

Naziv tvari	CAS-br.	Nadzorni parametri	Vrijeme uzorkovanja	Ažurirati
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

FI

Aineen nimi	CAS-Nro.	Valvontaa koskevat muuttujat	Näytteenottoaika	Päivämäärä
o-xylene	95-47-6	metyylihippuurihappo: 5 mmol/l (Virtsa)	Työvuoron päätyttyä	2014-05-06

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ES

Nombre de la sustancia	No. CAS	Parámetros de control	Hora de muestreo	Puesto al día
o-xylene	95-47-6	ácidos metilhipúricos: 1 g/g creatinina (Orina)	Final de la jornada laboral	2014-01-01

DE

Stoffname	CAS-Nr.	Zu überwachende Parameter	Probennahmezeit punkt	Stand
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

CZ

Název látky	Č. CAS	Kontrolní parametry	Doba odběru vzorku	Aktualizace
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

CH

Stoffname	CAS-Nr.	Zu überwachende Parameter	Probennahmezeit punkt	Stand
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. Schichtende bei Langzeitexpositio n: nach mehreren vorangegangene n Schichten	2009-01-01
		Methyl-Hippursäure: 874 μmol/mmol Kreatinin (Urin)	Expositionsende, bzw. Schichtende bei Langzeitexpositio n: nach mehreren vorangegangene n Schichten	2009-01-01
		Xylol: 14.1 μmol/l (Blut)	Expositionsende, bzw. Schichtende	2009-01-01

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

Engineering measures

Adequate ventilation to control airborne 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

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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.

SECTION 9: Physical and chemical properties**Information on basic physical and chemical properties****Appearance**

- Form : Liquid
- Physical state : Liquid
- Color : Colorless
- Odor : Pungent, Sweet

Safety data

- Flash point : 32 °C (90 °F)
Method: Tag closed cup
- Ignition temperature : 463 °C (865 °F)
- Lower explosion limit : 0,9 %(V)
- Upper explosion limit : 6,7 %(V)
- Oxidizing properties : no
- Autoignition temperature : No data available
- Molecular formula : C₈H₁₀
- Molecular weight : 106,18 g/mol

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pH	: Not applicable
Pour point	: No data available
Boiling point/boiling range	: 144 °C (291 °F) estimated
Vapor pressure	: 0,26 PSI
Relative density	: 0,8755 at 25 °C (77 °F)
Water solubility	: 170,5 MG/L at 25 °C (77 °F) Negligible
Partition coefficient: n-octanol/water	: log Pow: 3,12
Viscosity, dynamic	: 0,76 mPa.s at 25 °C (77 °F)
Relative vapor density	: 3,7 (Air = 1.0)
Evaporation rate	: 1
Percent volatile	: > 99 %

Other information

Conductivity	: < 50 pSm at 20 °C
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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.
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Possibility of hazardous reactions

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

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SECTION 11: Toxicological information**Orthoxylene 99%****Acute oral toxicity**

: LD50 Oral: 3.559 mg/kg
Species: Rat
Method: Acute toxicity estimate

Orthoxylene 99%**Acute inhalation toxicity**

: LC50: 27,4 mg/l
Exposure time: 4 h
Species: Rat
Test atmosphere: vapor
Method: Acute toxicity estimate

Acute dermal toxicity

o-xylene

: LD50: 12.126 mg/kg
Species: Rabbit

Orthoxylene 99%**Skin irritation**

: Irritating to skin.
May cause skin irritation in susceptible persons.

Orthoxylene 99%**Eye irritation**

: Eye irritation
May irritate eyes.

Sensitization

o-xylene

: Does not cause sensitization. largely based on human evidence.

Repeated dose toxicity

o-xylene

: Species: Rat
Application Route: Inhalation
Dose: 0, 3500 ppm
Exposure time: 6 wk
Lowest observable effect level: 3500 ppm

Carcinogenicity

o-xylene

: Species: Rat
Dose: 0, 250, 500 mg/kg
Exposure time: 103 wks
Number of exposures: 5 d/wk
Remarks: No evidence of carcinogenicity

Species: Mouse
Dose: 0, 500, 1000 mg/kg
Exposure time: 103 wks
Number of exposures: 5 d/wk
Remarks: No evidence of carcinogenicity

Developmental Toxicity

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o-xylene	: Species: Rat Application Route: Inhalation Dose: 0, 100, 500, 1000, 2000 ppm Number of exposures: 6 h/d, 7 d/wk Test period: GD 6-20 NOAEL Teratogenicity: 100 ppm NOAEL Maternal: 500 ppm
Orthoxylene 99% Aspiration toxicity	: May be fatal if swallowed and enters airways. Substances known to cause human aspiration toxicity hazards or to be regarded as if they cause human aspiration toxicity hazard.
CMR effects	
o-xylene	: Carcinogenicity: Animal testing did not show any carcinogenic effects. Mutagenicity: Did not show mutagenic effects in animal experiments. Teratogenicity: Did not show teratogenic effects in animal experiments. Reproductive toxicity: No toxicity to reproduction
Orthoxylene 99% Further information	: Solvents may degrease the skin.

SECTION 12: Ecological information**Toxicity to fish**

o-xylene	: LC50: 7,6 mg/l Exposure time: 96 h Species: Salmo gairdneri (Rainbow trout)
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Toxicity to daphnia and other aquatic invertebrates

o-xylene	: EC50: 1 mg/l Exposure time: 24 h Species: Daphnia magna (Water flea) Method: OECD Test Guideline 202
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Toxicity to algae

o-xylene	: EC50: 4,2 mg/l Exposure time: 8 Days Species: Selenastrum capricornutum (algae) static test Analytical monitoring: yes
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Elimination information (persistence and degradability)

Bioaccumulation

o-xylene	: Bioconcentration factor (BCF): 29
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Does not significantly accumulate in organisms.

Biodegradability : Expected to be biodegradable

Ecotoxicology AssessmentAcute aquatic toxicity
o-xylene : Toxic to aquatic life.Chronic aquatic toxicity
o-xylene : Harmful to aquatic life with long lasting effects.

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 : Toxic to aquatic life.

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Toxic to aquatic life., Harmful 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.

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US DOT (UNITED STATES DEPARTMENT OF TRANSPORTATION)

UN1307, XYLENES, 3, III, RQ (O-XYLENE)

IMO / IMDG (INTERNATIONAL MARITIME DANGEROUS GOODS)

UN1307, XYLENES, 3, III, (32 °C)

IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION)

UN1307, XYLENES, 3, III

ADR (AGREEMENT ON DANGEROUS GOODS BY ROAD (EUROPE))

UN1307, XYLENES, 3, III, (D/E)

RID (REGULATIONS CONCERNING THE INTERNATIONAL TRANSPORT OF DANGEROUS GOODS (EUROPE))

UN1307, XYLENES, 3, III

ADN (EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY INLAND WATERWAYS)

UN1307, XYLENES, 3, III

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

SECTION 15: Regulatory information**National legislation**

Major Accident Hazard Legislation : 96/82/EC Update: 2003
 Flammable.
 6
 Quantity 1: 5.000 t
 Quantity 2: 50.000 t

Water contaminating class (Germany) : WGK 2 water endangering
 VwVwS

Notification status

Europe REACH	:	On the inventory, or in compliance with the inventory
United States of America (USA) TSCA	:	On the inventory, or in compliance with the inventory
Canada DSL	:	On the inventory, or in compliance with the inventory
Australia AICS	:	On the inventory, or in compliance with the inventory
New Zealand NZIoC	:	On the inventory, or 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

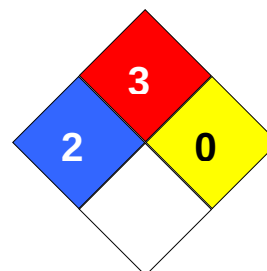
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SECTION 16: Other information

NFPA Classification : Health Hazard: 2
Fire Hazard: 3
Reactivity Hazard: 0

**Further information**

Legacy SDS Number : CPC00377

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

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ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
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.

H226	Flammable liquid and vapor.
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.
H412	Harmful to aquatic life with long lasting effects.