

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

1.1. Product identifier

Product form : Substance
 Trade name : orto-xylene
 Chemical name : o-xylene
 EC index no : 601-022-00-9
 EC no : 202-422-2
 CAS No. : 95-47-6
 REACH registration No. : 01-2119485822-30
 Formula : C8H10
 Product group : Trade product

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

1.2.1. Relevant identified uses

Use of the substance/preparation : Manufacture of substances

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier (Only Representative):
 Braskem Netherland BV
 Weena 238-240, 9th Floor, Tower C
 NL - 3012 NJ – Rotterdam

Manufacturer:
 BRASKEM S/A UNIB1 -BA
 Rua Eteno, 1561 - Polo Petroquimico de Camacari - Bahia/BA
 Brazil - Cep 42810-000

productsafety@braskem.com

1.4. Emergency telephone number

Emergency number : +31 10 205 2945 (business hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flam. Liq. 3 H226
 Skin Irrit. 2 H315
 Acute Tox. 4 (Inhalation) H332
 Acute Tox. 4 (Dermal) H312
 Eye Irrit. 2 H319
 Asp. Tox. 1 H304
 STOT SE 3 H335

Full text of H-phrases: see section 16.

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS02

GHS07

GHS08

Signal word (CLP) : Danger

Hazard statements (CLP) : H226 - Flammable liquid and vapour
 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

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Precautionary statements (CLP) : P210 - Keep away from heat, sparks, open flames, hot surfaces. - No smoking.
P243 - Take precautionary measures against static discharge
P261 - Avoid breathing dust, fume, gas, mist, spray, vapours.
P280 - Wear protective gloves, protective clothing, eye protection, face protection.
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor
P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P331 - Do NOT induce vomiting

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Name : o-xylene
CAS No. : 95-47-6
EC no : 202-422-2
EC index no : 601-022-00-9

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
o-Xylene	(CAS No.) 95-47-6 (EC no) 215-535-7 (EC index no) 601-022-00-9	98	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315

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

Synonym: xylenes

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration. In case of breathing difficulties administer oxygen. Immediately get medical attention.

First-aid measures after skin contact : For even minor contact, immediately remove contaminated clothing. Wash skin thoroughly with mild soap and water. Rinse immediately with plenty of water (for at least 15 minutes). Immediately get medical attention. Discard contaminated clothing.

First-aid measures after eye contact : Rinse immediately and plentifully with water, also under the eyelids, for at least 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately get medical attention.

First-aid measures after ingestion : Remove casualty to fresh air and keep warm and at rest. Do not induce vomiting. If swallowed, rinse mouth with water (only if the person is conscious). Give water to drink if victim completely conscious/alert. Never give anything by mouth to an unconscious person. Immediately get medical attention.

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

Symptoms/injuries : Headache. Nausea. Dizziness. Drowsiness. Loss of consciousness. vomiting.

Symptoms/injuries after inhalation : Inhalation may affect the nervous system causing headache, possibly dizziness, nausea, weakness, loss of coordination and unconsciousness. Acute exposure to high doses or chronic exposure can cause pulmonary damages, liver, kidneys and neurological disorders. Aspiration of this material may cause chemical pneumonia.

Symptoms/injuries after skin contact : Causes skin irritation. Prolonged/repetitive skin contact may cause skin defatting or dermatitis. Repeated exposure may cause skin dryness or cracking. Redness. burning.

Symptoms/injuries after eye contact : Irritating to eyes. May cause destruction of eye tissue.

Symptoms/injuries after ingestion : Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination. pulmonary oedema.

Chronic symptoms : Symptoms include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: : carbon dioxide (CO₂), dry chemical powder, foam. Water fog.
Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.

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According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Extremely flammable liquid and vapour. Vapours may cause fire/explosion if source of ignition is present. Heavier than air, vapours may travel long distances along ground, ignite and flash back to source. Under fire conditions closed containers may rupture or explode. On combustion forms: Carbon monoxide. Carbon dioxide. Formaldehyde.
- Explosion hazard : Vapours may form explosive mixtures with air.

5.3. Advice for firefighters

- Firefighting instructions : Do not approach fire except upwind and only with proper skin and respiratory protection (supplied air only). Cool closed containers exposed to fire with water spray.
- Protective equipment for firefighters : Extra personal protection: complete protective clothing including self-contained breathing apparatus. In case of fire: Wear self-contained breathing apparatus. Refer to section 8.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Protective equipment : Wear suitable protective clothing gloves, and eye/face protection. Refer to section 8.
- Emergency procedures : Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Wear suitable protective clothing, gloves and eye/face protection. Refer to section 8.
- Emergency procedures : Eliminate leaks immediately. Eliminate all ignition sources if safe to do so. Ventilate affected area. do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

6.2. Environmental precautions

Use water spray to minimise or disperse vapours. Absorb remaining liquid with sand or inert absorbent and remove to safe place. Avoid discharge to the environment. Do not flush down sewers. Do not empty into drains or the aquatic environment. Do not allow run-off from fire fighting to enter drains or water courses. Contaminated fire-fighting water must be collected separately. If the product enters drains or sewers the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the National Rivers Authority.

6.3. Methods and material for containment and cleaning up

- For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Ventilate affected area.
- Methods for cleaning up : Prevent spreading over great surfaces (e.g. by damming or installing oil booms). Collect spills and put it into appropriated container. Keep the recovered product for subsequent recycling.
- Other information : Granulated activated charcoal associated to bioremediation demonstrated to be the best remotion system from contaminated water bodies. Recovery of the polluted soil and water remediation can be done through the Fenton reaction.

6.4. Reference to other sections

Refer to sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Use only non-sparking tools. Use grounded electrical/mechanical equipment. Ensure the grounding of containers, apparatus, pumps and suction equipment. Ground/bond container and receiving equipment. Avoid producing mist or vapors by heating of opened recipient.

7.2. Conditions for safe storage, including any incompatibilities

- Storage condition(s) : Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep in original containers closed. Keep stored the least quantity possible. Store in dry, cool, well-ventilated area.
- Incompatible materials : Oxidizing agents. Strong acid. Halogenated compounds.
- Packaging materials : stainless steel. carbon steel. PVC.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

o-Xylene (95-47-6)		
EU	IOELV TWA (mg/m ³)	221 mg/m ³
EU	IOELV TWA (ppm)	50 ppm
EU	IOELV STEL (mg/m ³)	442 mg/m ³
EU	IOELV STEL (ppm)	100 ppm
EU	Notation	Skin
Austria	MAK (mg/m ³)	221 mg/m ³

o-xylene

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According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

o-Xylene (95-47-6)		
Austria	MAK (ppm)	50 ppm
Austria	MAK Short time value (mg/m ³)	442 mg/m ³
Austria	MAK Short time value (ppm)	100 ppm
Belgium	Limit value (mg/m ³)	221 mg/m ³
Belgium	Limit value (ppm)	50 ppm
Belgium	Short time value (mg/m ³)	442 mg/m ³
Belgium	Short time value (ppm)	100 ppm
Belgium	Remark*	D
France	VLE (mg/m ³)	442 mg/m ³
France	VLE (ppm)	100 ppm
France	VME (mg/m ³)	221 mg/m ³
France	VME (ppm)	50 ppm
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	440 mg/m ³
Germany	TRGS 900 Occupational exposure limit value (ppm)	100 ppm
Germany	TRGS 903 (BGW)	1.5 mg/l Xylol (Blut; Expositionsende bzw. Schichtende) 2 g/l Methylhippur-(Tolur-)säure (Urin; Expositionsende bzw. Schichtende)
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m ³)	434 mg/m ³
Italy - Portugal - USA ACGIH	ACGIH TWA (ppm)	100 ppm
Italy - Portugal - USA ACGIH	ACGIH STEL (mg/m ³)	651 mg/m ³
Italy - Portugal - USA ACGIH	ACGIH STEL (ppm)	150 ppm
USA NIOSH	NIOSH REL (TWA) (mg/m ³)	435 mg/m ³
USA NIOSH	NIOSH REL (TWA) (ppm)	100 ppm
USA NIOSH	NIOSH REL (STEL) (mg/m ³)	655 mg/m ³
USA NIOSH	NIOSH REL (STEL) (ppm)	150 ppm
USA OSHA	OSHA PEL (TWA) (mg/m ³)	435 mg/m ³
USA OSHA	OSHA PEL (TWA) (ppm)	100 ppm
Spain	VLA-ED (mg/m ³)	221 mg/m ³
Spain	VLA-ED (ppm)	50 ppm
Spain	VLA-EC (mg/m ³)	442 mg/m ³
Spain	VLA-EC (ppm)	100 ppm
Switzerland	VLE (mg/m ³)	870 mg/m ³
Switzerland	VLE (ppm)	200 ppm
Switzerland	VME (mg/m ³)	435 mg/m ³
Switzerland	VME (ppm)	100 ppm
Switzerland	Remark (CH)	max. 4x30 min/8h
The Netherlands	MAC TGG 8H (mg/m ³)	210 mg/m ³
The Netherlands	MAC TGG 8H (ppm)	50 ppm
The Netherlands	MAC TGG 15MIN (mg/m ³)	442 mg/m ³
United Kingdom	WEL TWA (mg/m ³)	220 mg/m ³
United Kingdom	WEL TWA (ppm)	50 ppm
United Kingdom	WEL STEL (mg/m ³)	441 mg/m ³
United Kingdom	WEL STEL (ppm)	100 ppm
Czech Republic	Expoziční limity (PEL) (mg/m ³)	200 mg/m ³
Czech Republic	Expoziční limity (PEL) (ppm)	46 ppm
Czech Republic	Expoziční limity (NPK-P) (mg/m ³)	400 mg/m ³
Czech Republic	Expoziční limity (NPK-P) (ppm)	92 ppm
Czech Republic	Remark (CZ)	D
Denmark	Grænseværdie (langvarig) (mg/m ³)	109 mg/m ³
Denmark	Grænseværdie (langvarig) (ppm)	25 ppm
Denmark	Grænseværdie (kortvarig) (mg/m ³)	218 mg/m ³
Denmark	Grænseværdie (kortvarig) (ppm)	50 ppm
Finland	HTP-arvo (8h) (mg/m ³)	220 mg/m ³
Finland	HTP-arvo (8h) (ppm)	50 ppm

o-xylene

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According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

o-Xylene (95-47-6)		
Finland	HTP-arvo (15 min)	440 mg/m ³
Finland	HTP-arvo (15 min) (ppm)	100 ppm
Finland	Huomautus (FI)	iho
Hungary	AK-érték	221 mg/m ³
Hungary	CK-érték	442 mg/m ³
Ireland	OEL (8 hours ref) (mg/m ³)	221 mg/m ³
Ireland	OEL (8 hours ref) (ppm)	50 ppm
Ireland	OEL (15 min ref) (mg/m ³)	442 mg/m ³
Ireland	OEL (15 min ref) (ppm)	100 ppm
Ireland	Notes (IE)	Sk, IOELV
Lithuania	IPRV (mg/m ³)	221 mg/m ³
Lithuania	IPRV (ppm)	50 ppm
Lithuania	TPRV (mg/m ³)	442 mg/m ³
Lithuania	TPRV (ppm)	100 ppm
Lithuania	Remark (LT)	O
Norway	Gjennomsnittsverdier (AN) (mg/m ³)	108 mg/m ³
Norway	Gjennomsnittsverdier (AN) (ppm)	25 ppm
Norway	Merknader (NO)	H("Arbeidstilsynet Nr. 361, 1997, S.22")
Poland	NDS (mg/m ³)	100 mg/m ³
Poland	NDSch (mg/m ³)	350 mg/m ³
Slovakia	NPHV (priemerná) (mg/m ³)	221 mg/m ³
Slovakia	NPHV (priemerná) (ppm)	50 ppm
Slovakia	Upozornenie (SK)	K
Sweden	nivågränsvärde (NVG) (mg/m ³)	200 mg/m ³
Sweden	nivågränsvärde (NVG) (ppm)	50 ppm
Sweden	kortidsvärde (KTV) (mg/m ³)	450 mg/m ³
Sweden	kortidsvärde (KTV) (ppm)	100 ppm
Sweden	Anmärkning (SE)	H
Canada (Quebec)	VECD (mg/m ³)	651 mg/m ³
Canada (Quebec)	VECD (ppm)	150 ppm
Canada (Quebec)	VEMP (mg/m ³)	434 mg/m ³
Canada (Quebec)	VEMP (ppm)	100 ppm
Australia	TWA (mg/m ³)	441 mg/m ³
Australia	TWA (ppm)	100 ppm
Australia	STEL (mg/m ³)	662 mg/m ³
Australia	STEL (ppm)	150 ppm

o-xylene (95-47-6)	
DNEL/DMEL (Workers)	
Acute - systemic effects, inhalation	442 mg/m ³
Acute - local effects, inhalation	442 mg/m ³
Long-term - systemic effects, dermal	3182 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	221 mg/m ³ /day
Long-term - local effects, inhalation	221 mg/m ³ /day
DNEL/DMEL (General population)	
Acute - systemic effects, inhalation	260 mg/m ³
Acute - local effects, inhalation	260 mg/m ³
Long-term - systemic effects, oral	12.5 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	65.3 mg/m ³ /day
Long-term - systemic effects, dermal	1872 mg/kg bodyweight/day
Long-term - local effects, inhalation	65.3 mg/m ³ /day
PNEC (Water)	

o-xylene

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o-xylene (95-47-6)	
PNEC aqua (freshwater)	0.25 mg/l
PNEC aqua (marine water)	0.25 mg/l
PNEC aqua (intermittent, freshwater)	0.25 mg/l
PNEC aqua (intermittent, marine water)	0.25 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	14.33 mg/kg dwt
PNEC sediment (marine water)	14.33 mg/kg dwt
PNEC (Soil)	
PNEC soil	2.41 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	Not applicable kg/kg food
PNEC (STP)	
PNEC sewage treatment plant	5 mg/l

8.2. Exposure controls

Appropriate engineering controls : Provide local exhaust or general room ventilation to minimize vapour concentrations. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal protective equipment : Protective goggles. Protective clothing. Gloves. Self-contained breathing apparatus.



Hand protection : VITON gloves. protective gloves: neoprene gloves, PVA.

Eye protection : Safety goggles.

Skin and body protection : Use protective coverall. Boots made of PVA.

Respiratory protection : Half/ full mask with filter for organic vapors. If there is any possibility of uncontrolled emissions or entering in instances where the exposure levels are unknown use a full-facepiece positive-pressure, air-supplied respirator.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless
odour	: No data available
Odour threshold	: No data available
pH	: No data available
Melting point	: - 25 °C
Solidification point	: No data available
Boiling point	: 144 °C
Flash point	: 32 °C
Relative evaporation rate (diethylether=1)	: 9,2
Flammability (solid, gas)	: Flammable
Explosive limits	: 1.1 – 7 vol %
Vapour pressure	: 5 mmHg at 20°C
Relative vapour density at 20 °C	: 3.7 (air=1)
Relative density	: 0.880 (water=1)
Solubility	: Water: Practically insoluble Soluble in ethanol, acetone, benzene, ethyl ether
Log Pow	: 2,77
Log Kow	: No data available
Self ignition temperature	: 463 °C
Decomposition temperature	: No data available
Viscosity, kinematic	: 0.76 mPa @ 25°C
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

o-xylene

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According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Avoid static electricity discharges.

10.5. Incompatible materials

Oxidizing agents. strong acids. Halogenated compounds.

10.6. Hazardous decomposition products

Carbon dioxide (CO₂). Carbon monoxide. Formaldehyde.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

o-xylene (95-47-6)	
LD50 oral rat	3523 mg/kg
LD50 dermal rabbit	12126 mg/kg
LC50 inhalation rat (mg/l)	27124 mg/l/4h
ATE (oral)	3523 mg/kg
ATE (dermal)	1100.00000 mg/kg

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Causes serious eye irritation.

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

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

Specific target organ toxicity (repeated exposure) : Not classified

o-xylene (95-47-6)	
NOAEL (oral,rat,90 days)	250 mg/kg bodyweight/day

Aspiration hazard : May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1. Toxicity

o-xylene (95-47-6)	
LC50 fishes 1	7.6 mg/l 96 hours
EC50 Daphnia 1	1 - 4.7 mg/l (24h - 48h)
ErC50 (algae)	4.7 mg/l (73 h - based on growth rate)
NOEC (acute)	1.17 mg/l (aquatic invertebrates - 7 d)
NOEC (chronic)	> 1.3 mg/l (56 d)

12.2. Persistence and degradability

o-xylene (95-47-6)	
Persistence and degradability	Readily biodegradable. not persistent.
BOD (% of ThOD)	50 % ThOD (23 d)

12.3. Bioaccumulative potential

o-xylene (95-47-6)	
Log Pow	3.12
Bioaccumulative potential	not bioaccumulative.

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12.4. Mobility in soil

o-xylene (95-47-6)

Log Koc	2.73
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12.5. Results of PBT and vPvB assessment

o-xylene (95-47-6)

Results of PBT assessment	This substance does not meet the criteria for classification as PBT or vPvB.
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12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Dispose of contents/container to comply with applicable local, national and international regulations. Consult the appropriate authorities about waste disposal.

Sewage disposal recommendations : The adequately treated and biorremediated effluents may be discarded into the water bodies.

Waste disposal recommendations : Dispose of this material and its container at hazardous or special waste collection point.

SECTION 14: Transport information

Classification for LAND transport: ADR / RID

14.1 UN Number : UN1307

14.2 Proper Shipping Name : XYLENES

14.3 Class : 3

14.4 Packing group : III

14.5 Environmental hazards : Xylenes

14.6 Special precautions for user : Hazard Identification Number 30

Classification for SEA transport: IMO - IMDG

14.1 UN Number : UN1307

14.2 Proper Shipping Name : XYLENES

14.3 Class : 3

14.4 Packing group : III

14.5 Environmental hazards : Xylenes

14.6 Special precautions for user : No data available

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

Product name : Xylenes

Classification for AIR transport: IATA - ICAO

14.1 UN Number : UN1307

14.2 Proper Shipping Name : Xylenes

14.3 Class : 3

14.4 Packing group : III

14.5 Environmental hazards : Xylenes

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product therefore it cannot be considered exhaustive. See guidelines of ADR, RID, IMDG and IATA regulations before transporting the product. The transportation organization is responsible for compliance with laws, regulations and rules for the transport of the material.

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No Annex XVII restrictions

Contains no REACH candidate substance

Other regulations, restrictions and prohibition regulations : No data available.

15.1.2. National regulations

Regional legislation : No data available.

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15.2. Chemical safety assessment

CSA has been established. Exposure scenario is attached.

SECTION 16: Other information

Sources of Key data : MSDS.

Abbreviations and acronyms : ACGIH (American Conference of Government Industrial Hygienists). ASTM - American Society for Testing and Materials . CAS (Chemical Abstracts Service) number. CLP - Classification, Labelling and Packaging. EEC - European Economic Community. EC - European Community. CSR - Chemical Safety Report. GHS - Globally Harmonised System. IARC (International Agency for Research on Cancer). Overland transport (ADR). PVC (Polyvinyl chloride). REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals. SDS - Safety Data Sheet.

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

Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
Asp. Tox. 1	Aspiration hazard Category 1
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Flam. Liq. 3	flammable liquids Category 3
Skin Irrit. 2	skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H226	Flammable liquid and vapour
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
R10	Flammable.
R20/21	Harmful by inhalation and in contact with skin.
R38	Irritating to skin.

SDS EU (REACH Annex II)

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