

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

TSR1516

Version 1.0
Revision date 09.05.2012

Print Date 14.08.2018
000000017113

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Trade name : TSR1516

Company : Momentive Performance Materials GmbH
Chempark Leverkusen Gebaeude V7
DE - 51368 Leverkusen

Emergency telephone : Europe, Israel & All other: +44 (0) 1235239670; Middle East: +44 (0) 1235239671

Further Information : + 40 213044229

Product Regulatory Compliance : MomentiveEMEA.productsteward@momentive.com

2. HAZARDS IDENTIFICATION

GHS classification

Classification according to Regulation (EC) No 1272/2008 as amended:

Flammable liquids; Category 2;
Acute toxicity; Category 4; Inhalation - vapor;
Acute toxicity; Category 4; Dermal;
Skin corrosion/irritation; Category 2;
Specific target organ toxicity - repeated exposure; Category 2;
Aspiration hazard; Category 1;
Toxic to reproduction; Category 2;

GHS-Labeling Regulation (EC) No. 1272/2008:

Regulation No. 1272/2008.



Signal words : danger

Hazard statements

H225 Highly flammable liquid and vapor.
H315 Causes skin irritation.
H373 May cause damage to organs through prolonged or repeated exposure.
H304 May be fatal if swallowed and enters airways.
H361d Suspected of damaging the unborn child.
H312+H332 Harmful in contact with skin or if inhaled.

Precautionary Statement - Prevention:

P280 Wear protective gloves/protective clothing/eye protection/face protection.

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

TSR1516

Version 1.0
Revision date 09.05.2012

Print Date 14.08.2018
000000017113

Precautionary Statement - Response:

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P303+P361+P353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Precautionary Statement - Storage:

P235 Keep cool.

Precautionary Statement - Disposal:

P501 Dispose of contents/container to an approved incineration

Labelling according to EC Directives

1999/45/EC

Hazardous components which must be listed on the label:

- Xylene Isomers Mixture
- Toluene

Symbol(s)	: F Xn	Highly Flammable Harmful
R-phrases(s)	: R11 R20/21 R38 R48/20 R63 R65	Highly flammable. Harmful by inhalation and in contact with skin. Irritating to skin. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Possible risk of harm to the unborn child. Harmful: may cause lung damage if swallowed.
S-phrases(s)	: S9 S16 S33 S36/37 S43 S62	Keep container in a well-ventilated place. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Wear suitable protective clothing and gloves. In case of fire, use ... (indicate in the space the precise type of fire-fighting equipment. If water increases risk, add "Never use water"). If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

TSR1516

Version 1.0
Revision date 09.05.2012

Print Date 14.08.2018
000000017113

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature: Silicone resin in solvent(s)

Hazardous Component(s)

Chemical name	CAS-No.	EINECS-No. ELINCS No.	Symbol(s)	R- phrase(s)	Concentration %
Xylene Isomers Mixture	1330-20-7	215-535-7	Xn	R10, R20/21, R38	>= 12,500 - < 20,000
Toluene	108-88-3	203-625-9	F, Xn	R11, R38, R48/20, R63, R65, R67	>= 12,500 - < 20,000
Ethylbenzene	100-41-4	202-849-4	F, Xn	R11, R20	>= 10,000 - < 12,500

Hazardous Component(s) Regulation (EC) No. 1272/2008

Chemical name	CAS-No.	EINECS- No. ELINCS No.	Hazard classification Hazard statements	Concentration %
Xylene Isomers Mixture	1330-20-7	215-535-7	Category 3 Flammable liquids H226 Category 4 Acute toxicity H332 Category 4 Acute toxicity H312 Category 2 Skin corrosion/irritation H315	>= 12,500 - < 20,000
Toluene	108-88-3	203-625-9	Category 2 Flammable liquids H225 Category 2 Toxic to reproduction H361d Category 1 Aspiration hazard H304 Category 2 Specific target organ toxicity - repeated exposure H373 Category 2 Skin corrosion/irritation H315 Category 3 Specific target organ toxicity - single exposure H336	>= 12,500 - < 20,000

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

TSR1516

Version 1.0
Revision date 09.05.2012

Print Date 14.08.2018
000000017113

Ethylbenzene	100-41-4	202-849-4	Category 2 Flammable liquids H225 Category 4 Acute toxicity H332	>= 10,000 - < 12,500
--------------	----------	-----------	---	----------------------

4. FIRST AID MEASURES

- Inhalation : Move into fresh air and keep at rest. Get medical attention.
- Skin contact : Take off immediately all contaminated clothing. Wash the skin immediately with soap and water. Get medical attention.
- Eye contact : Rinse immediately with plenty of water and seek medical advice.
- Ingestion : Rinse mouth. Do NOT induce vomiting. Get medical attention immediately.

5. FIRE-FIGHTING MEASURES

- Further Information : Use water spray to keep fire-exposed containers cool.
- Special protective equipment for fire-fighters : Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
- Methods for cleaning up : Collect spillage with granulates, sawdust, rags or other absorbent.
- Prevention of secondary hazards : Remove sources of ignition.

7. HANDLING AND STORAGE

Handling

- Advice on protection : Keep away from sources of ignition - No smoking.

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

TSR1516

Version 1.0
Revision date 09.05.2012

Print Date 14.08.2018
000000017113

against fire and explosion

Storage

Other data : No decomposition if stored and applied as directed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Control parameters
XYLENE ISOMERS MIXTURE	1330-20-7	<p>Basis: EH40 OES; Update: 2001; Time Weighted Average (TWA): 100 ppm</p> <p>Basis: EH40 OES; Update: 2001; Short Term Exposure Limit (STEL): 150 ppm</p> <p>Basis: EH40 OES; Update: 2001; Skin designation: ; Can be absorbed through the skin.</p> <p>Basis: EU ELV; Update: 02 2006; Skin designation: ; Can be absorbed through the skin.</p> <p>Basis: EH40 WEL; Update: 2005; Time Weighted Average (TWA): 50 ppm</p> <p>Basis: EH40 WEL; Update: 2005; Short Term Exposure Limit (STEL): 100 ppm</p> <p>Basis: EH40 WEL; Update: 2005; Skin designation: ; Can be absorbed through the skin.</p> <p>Basis: EU ELV; Update: 02 2006; Listed.</p>
TOLUENE	108-88-3	<p>Basis: EH40 OES; Update: 2003; Time Weighted Average (TWA): 50 ppm</p> <p>Basis: EH40 OES; Update: 2003; Short Term Exposure Limit (STEL): 150 ppm</p> <p>Basis: EH40 OES; Update: 2003; Skin designation: ; Can be absorbed through the skin.</p> <p>Basis: EH40 WEL; Update: 2005; Time Weighted Average (TWA): 50 ppm</p> <p>Basis: EH40 WEL; Update: 2007; Short Term Exposure Limit (STEL): 100 ppm</p> <p>Basis: EH40 WEL; Update: 2005; Skin designation: ; Can be absorbed through the skin.</p> <p>Basis: EU ELV; Update: 02 2006; Skin designation: ; Can be absorbed through the skin.</p> <p>Basis: EU ELV; Update: 02 2006; Listed.</p>
ETHYLBENZENE	100-41-4	<p>Basis: EH40 OES; Update: 2001; Time Weighted Average (TWA): 100 ppm</p> <p>Basis: EH40 OES; Update: 2001; Short Term Exposure Limit (STEL): 125 ppm</p> <p>Basis: EU ELV; Update: 05 2001; Skin designation:</p> <p>Basis: EH40 WEL; Update: 2005; Time Weighted Average (TWA): 100 ppm</p>

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

TSR1516

Version 1.0
Revision date 09.05.2012

Print Date 14.08.2018
000000017113

		<p>Basis: EH40 WEL; Update: 2005; Short Term Exposure Limit (STEL): 125 ppm Basis: EH40 WEL; Update: 2005; Skin designation: ; Can be absorbed through the skin. Basis: EU ELV; Update: 02 2006; Listed.</p>
--	--	--

Engineering measures

Eyewash bottle with clean water.

Personal protective equipment (ppe)

- | | | |
|--------------------------|---|--|
| Respiratory Protection | : | Use only in well-ventilated areas.
If substantial vapour concentrations occur, respirators must be used. Respiratory equipment with gas filter A (identifying colour brown) is recommended. |
| Hand protection | : | Advice: Short time contact:
Material: Polyvinyl chloride (PVC).
Minimum break through time: 15 min
Glove thickness: 0,5 mm |
| Hand protection | : | Advice: Prolonged contact :
Material: Gloves of nitrile rubber, PVA or Viton are recommended.
Minimum break through time: > 480 min
Glove thickness: 0,4 mm |
| Eye protection | : | Safety glasses with side-shields conforming to EN166 |
| Skin and Body Protection | : | Long sleeves |
| Hygiene measures | : | Observe good industrial hygiene practices.
Keep away from food, drink and animal feedingstuffs.
Wash hands after handling.
When using do not eat, drink or smoke. |
| Protective Measures | : | Avoid contact with skin. |

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

- | | | |
|-------|---|-------------|
| Form | : | Liquid |
| Color | : | Pale yellow |
| Odor | : | Faint |

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

TSR1516

Version 1.0
Revision date 09.05.2012

Print Date 14.08.2018
000000017113

Safety data

Melting Point : No data available.

Boiling point/boiling range : 110,6 °C

Flash Point : 5,0 °C

Autoignition Temperature : 536 °C

Lower explosion limit : 1,27 %(V)
Toluene

Lower explosion limit : 1,1 %(V)
xylene

Lower explosion limit : 1,0 %(V)
ethylbenzene

Upper explosion limit : 7,0 %(V)
Toluene

Upper explosion limit : 7,0 %(V)
xylene

Upper explosion limit : 7,8 %(V)
ethylbenzene

Vapour pressure : 26,6 hPa
at 18,38 °C
Toluene

Vapour pressure : 8,98 hPa
at 20 °C
p-xylene

Vapour pressure : 8,98 hPa
at 20 °C
ethylbenzene

Density : 0,98 g/cm³

Water solubility : Insoluble

10. STABILITY AND REACTIVITY

Thermal decomposition : Note: No decomposition if stored and applied as directed.

Further Information : M 017 "Solvent".
M 050 "Handling harmful substances".
M 053 "General industrial protective measures for handling"

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

TSR1516

Version 1.0
Revision date 09.05.2012

Print Date 14.08.2018
000000017113

dangerous substances".
No dangerous reaction if used as recommended.

11. TOXICOLOGICAL INFORMATION

Human experience : Experience has shown, that the above mentioned product can be used without any danger to health, as long as the usual conditions of industrial hygiene are observed.

12. ECOLOGICAL INFORMATION

Additional ecological information : Ecotoxicological data for this product is not available.

13. DISPOSAL CONSIDERATIONS

Product : According to local regulations, can be taken to an appropriate incinerator equipped with exhaust gas cleaning.

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

TSR1516

Version 1.0
Revision date 09.05.2012

Print Date 14.08.2018
000000017113

14. TRANSPORT INFORMATION

Land transport

ADR:	UN-Number	1993
	Class	3
	Packing group	II
	Classification Code	F1
	Hazard identification No	33
	ADR/RID-Labels	3
	Proper Shipping Name	FLAMMABLE LIQUID, N.O.S.
	Contains	Xylenes Toluene

RID Class No.:	UN-Number	1993
	Class	3
	Packing group	II
	Classification Code	F1
	Hazard identification No	33
	ADR/RID-Labels	3
	Proper Shipping Name	FLAMMABLE LIQUID, N.O.S.
	Contains	Xylenes Toluene

Inland waterway transport

ADNR:	UN-Number	1993
	Class	3
	Packing group	II
	Classification Code	F1
	Hazard identification No	33
	ADNR-Labels	3
	Proper Shipping Name	FLAMMABLE LIQUID, N.O.S.
	Contains	Xylenes Toluene

Sea transport

IMDG:	UN-Number	1993
	Class	3
	Packing group	II
	IMDG-Labels	3
	EmS	F-E, S-E
	Marine Pollutant	
	Proper Shipping Name	FLAMMABLE LIQUID, N.O.S.
	Contains	Xylenes Toluene

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

TSR1516

Version 1.0
Revision date 09.05.2012

Print Date 14.08.2018
000000017113

Air transport

ICAO/IATA:	UN-Number	1993
	Class	3
	Packing group	II
	ICAO-Labels	3
	Proper Shipping Name	Flammable liquid, n.o.s.
	Contains	Xylenes Toluene

Special provision

ADNR	Special Provision 640D
ADR	Special Provision 640D
RID	Special Provision 640D

15. REGULATORY INFORMATION

Inventories

Australia Inventory of Chemical Substances (AICS)	n (Negative listing)	
EU list of existing chemical substances	y (positive listing)	
Japan Inventory of Existing & New Chemical Substances (ENCS)	y (positive listing)	
China Inventory of Existing Chemical Substances	n (Negative listing)	
Korea Existing Chemicals Inventory (KECI)	n (Negative listing)	
Canada DSL Inventory	n (Negative listing)	
Canada NDSL Inventory	n (Negative listing)	
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	n (Negative listing)	
TSCA list	n (Negative listing)	Not On TSCA Inventory

For inventories that are marked as quantity restricted or special cases, please contact Momentive.

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

TSR1516

Version 1.0
Revision date 09.05.2012

Print Date 14.08.2018
000000017113

16. OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3

R10	Flammable.
R11	Highly flammable.
R20	Harmful by inhalation.
R20/21	Harmful by inhalation and in contact with skin.
R38	Irritating to skin.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R63	Possible risk of harm to the unborn child.
R65	Harmful: may cause lung damage if swallowed.
R67	Vapours may cause drowsiness and dizziness.

Momentive Products are intended for industrial application only.

They are not intended for specific medical applications, neither for long-lasting (> 30 days) implantation into the human body, injected or directly ingested, nor for the manufacture of multiple usable contraceptives.

Further Information

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.