

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 3/26/2015 Revision date: 10/24/2017 Supersedes: 9/26/2017 Version: 3.0

DRIVING SURFACE PERFECTION

SECTION 4. Identification of the and		
SECTION 1: Identification of the sub	ostance/mixture and of the co	mpany/undertaking
1.1. Product identifier Product form	: Mixture	
Product name	: RAPTOR HARDENER (RLH) : 2K Hardener	
Product group	: 2K Hardener	
1.2. Relevant identified uses of the sub	stance or mixture and uses advised a	against
1.2.1. Relevant identified uses		-
Industrial/Professional use spec	: Industrial	
	For professional use only	
Function or use category	: Hardener (Crosslinker)	
1.2.2. Uses advised against		
No additional information available		
1.3. Details of the supplier of the safety	data sheet	
U-POL LIMITED		
Denington Road, Wellingborough		
Northants. NN8 2QH - UK T +44 (0) 1933 230310 - F +44 (0) 1933 425797	7	
technical.department@u-pol.com - www.u-pol.c		
1.4. Emergency telephone number		
Emergency number	: CHEMTREC - +44 (0) 870 820041	8 (24 hrs)
SECTION 2: Hazards identification		
2.1. Classification of the substance or r	nixture	
Classification according to Regulation (EC)	No. 1272/2008 [CLP]	
Flammable liquids, Category 3		H226
Skin corrosion/irritation, Category 2		H315
Skin sensitisation, Category 1 H317		H317
Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation H335		
Specific target organ toxicity - Repeated expos	sure, Category 2	H373
Full text of hazard classes and H-statements : s	see section 16	

Adverse physicochemical, human health and environmental effects

Flammable liquid and vapour. May cause damage to organs (hearing organs) through prolonged or repeated exposure (inhalation). May cause respiratory irritation. Causes skin irritation. May cause an allergic skin reaction.

2.2. Label elements

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

Hazard pictograms (CLP)

Signal word (CLP) Hazardous ingredients Hazard statements (CLP)



- : Warning
- : ethylbenzene; Hexamethylene Diisocyanate Oligomers
- : H226 Flammable liquid and vapour.
- H315 Causes skin irritation.
 - H317 May cause an allergic skin reaction.
 - H335 May cause respiratory irritation.
 - H373 May cause damage to organs (hearing organs) through prolonged or repeated exposure

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	(inhalation).
Precautionary statements (CLP)	 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P260 - Do not breathe spray, vapours. P264 - Wash hands thoroughly after handling. P280 - Wear face protection, protective clothing, protective gloves. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
EUH-statements	: EUH204 - Contains isocyanates. May produce an allergic reaction.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients			
3.1.	Substances		
Not applicable			

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
xylene (Note C)	(CAS-No.) 1330-20-7 (EC-No.) 215-535-7 (EC Index-No.) 601-022-00-9 (REACH-no) 01-2119488216-32	43 - 63	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315
Hexamethylene Diisocyanate Oligomers	(CAS-No.) 28182-81-2 (EC-No.) 500-060-2	23-43	Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Sens. 1, H317 STOT SE 3, H335
ethylbenzene	(CAS-No.) 100-41-4 (EC-No.) 202-849-4 (EC Index-No.) 601-023-00-4 (REACH-no) 01-2119489370-35	5 - 23	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation:dust,mist), H332 STOT RE 2, H373 Asp. Tox. 1, H304
Solvent naphtha (petroleum), light aromatic	(EC-No.) 918-668-5	< 5	Flam. Liq. 3, H226 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

Full text of H-statements: see section 16

SECTION 4: First aid measures		
4.1. Description of first aid measures	3	
First-aid measures general	: Call a poison center or a doctor if you feel unwell.	
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.	
First-aid measures after skin contact	: Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.	
First-aid measures after eye contact	: Rinse eyes with water as a precaution.	
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.	
4.2. Most important symptoms and e	ffects, both acute and delayed	
Symptoms/effects after inhalation	: May cause respiratory irritation.	
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction. Repeated exposure may cause skin dryness or cracking.	
4.3. Indication of any immediate med	Indication of any immediate medical attention and special treatment needed	
Treat symptomatically.		

SECTION 5: Firefighting measures		
5.1.	Extinguishing media	
Suitable	extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
5.2.	2. Special hazards arising from the substance or mixture	
Fire haz	ard	: Flammable liquid and vapour.

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Hazardous decomposition products in case of fire	: Toxic fumes may be released.
5.3. Advice for firefighters	
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
SECTION 6: Accidental release mea	sures
6.1. Personal precautions, protective ed	uipment and emergency procedures
6.1.1. For non-emergency personnel	
Protective equipment	: Safety glasses. Protective clothing. Gloves.
Emergency procedures	: Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe vapours, spray. Avoid contact with skin and eyes.
6.1.2. For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions	
Avoid release to the environment.	
6.3. Methods and material for containme	ent and cleaning up
For containment	: Contain released substance, pump into suitable containers. Collect spillage.
Methods for cleaning up	: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other information	: Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections	
For further information refer to section 13.	
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Do not breathe vapours, spray. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes.
Hygiene measures	: Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, include	ng any incompatibilities
Technical measures	: Ground/bond container and receiving equipment.
Storage conditions	: Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.
Storage temperature	: < 25 °C
Storage area	: Store in a well-ventilated place.
Special rules on packaging	: Keep only in original container.
7.3. Specific end use(s)	

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

ethylbenzene (100-41-4)		
EU	Local name	Ethylbenzene
EU	IOELV TWA (mg/m³)	442 mg/m ³
EU	IOELV TWA (ppm)	100 ppm
EU	IOELV STEL (mg/m ³)	884 mg/m³
EU	IOELV STEL (ppm)	200 ppm
EU	Notes	Skin
United Kingdom	Local name	Ethylbenzene
United Kingdom	WEL TWA (mg/m ³)	441 mg/m³
United Kingdom	WEL TWA (ppm)	100 ppm
United Kingdom	WEL STEL (mg/m³)	552 mg/m³
United Kingdom	WEL STEL (ppm)	125 ppm

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ethylbenzene (100-41-4	4)	
United Kingdom	Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
xylene (1330-20-7)		
EU	Local name	Xylene, mixed isomers, pure
EU	IOELV TWA (mg/m ³)	221 mg/m ³
EU	IOELV TWA (ppm)	50 ppm
EU	IOELV STEL (mg/m ³)	442 mg/m ³
EU	IOELV STEL (ppm)	100 ppm
EU	Notes	Skin
United Kingdom	Local name	Xylene, o-,m-,p- or mixed isomers
United Kingdom	WEL TWA (mg/m ³)	220 mg/m ³
United Kingdom	WEL TWA (ppm)	50 ppm
United Kingdom	WEL STEL (mg/m ³)	441 mg/m ³
United Kingdom	WEL STEL (ppm)	100 ppm
United Kingdom	Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity), BMGV (Biological monitoring guidance values are listed in Table 2)

: Ensure good ventilation of the work station.

: Gas mask. Gloves. Protective clothing. Safety glasses.

8.2. Exposure controls

Appropriate engineering controls

Personal protective equipment

Materials for protective clothing:

Impermeable clothing

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Air-fed respiratory protective equipment should be worn when this product is sprayed



Environmental exposure controls

: Avoid release to the environment.

SECTION 9: Physical and chemica	l properties	
9.1. Information on basic physical and	I chemical properties	
Physical state	: Liquid	
Appearance	: Liquid.	
Colour	: Colourless.	
Odour	: aromatic.	
Odour threshold	: No data available	
рН	: No data available	
Relative evaporation rate (butylacetate=1)	: No data available	
Melting point	: Not applicable	
Freezing point	No data available	
Boiling point	: No data available	
Flash point	: 27 °C	

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Auto-ignition temperature	: No data available	
Decomposition temperature	: No data available	
Flammability (solid, gas)	: Not applicable	
Vapour pressure	: No data available	
Relative vapour density at 20 °C	: No data available	
Relative density	: No data available	
Density	: 0.96 - 0.98	
Solubility	: insoluble in water. soluble in most organic solvents.	
Log Pow	: No data available	
Viscosity, kinematic	: No data available	
Viscosity, dynamic	: No data available	
Explosive properties	: No data available	
Oxidising properties	: No data available	
Explosive limits	: No data available	
9.2. Other information		
VOC content	: 603 g/l	
SECTION 10: Stability and reac		
10.1. Reactivity		
Flammable liquid and vapour.		
10.2. Chemical stability		
Stable under normal conditions.		
10.3. Possibility of hazardous reactions		
No dangerous reactions known under normal conditions of use.		
10.4. Conditions to avoid		
Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.		
10.5. Incompatible materials		
No additional information available		
10.6. Hazardous decomposition products		
Under normal conditions of storage and use, hazardous decomposition products should not be produced.		
SECTION 11: Toxicological info	rmation	
Add A		

SECTION TT: Toxicological information		
11.1. Information on toxicological effects		
Acute toxicity	: Not classified	
Hexamethylene Diisocyanate Oligomers (28182-81-2)		
LD50 oral rat	> 2500 mg/kg	
LD50 dermal rat	> 2000 mg/kg	
Skin corrosion/irritation	: Causes skin irritation.	
Serious eye damage/irritation	: Not classified	
Respiratory or skin sensitisation	: May cause an allergic skin reaction.	
Germ cell mutagenicity	: Not classified	
Carcinogenicity	: Not classified	
Reproductive toxicity	: Not classified	
STOT-single exposure	: May cause respiratory irritation.	
STOT-repeated exposure	: May cause damage to organs (hearing organs) through prolonged or repeated exposure (inhalation).	
Aspiration hazard	: Not classified	

SECTIO	ON 12: Ecological information	
12.1.	Toxicity	
Ecology -	general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
12.2.	Persistence and degradability	

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Solvent naphtha (petroleum), light aromatic				
Persistence and degradability May cause long-term adverse effects in the environment.				
12.3. Bioaccumulative potential				
Solvent naphtha (petroleum), light aromatic				
Bioaccumulative potential	Not established.			
12.4. Mobility in soil				
No additional information available				
12.5. Results of PBT and vPvB assessment	t in the second s			
No additional information available				
12.6. Other adverse effects				
No additional information available				
SECTION 13: Disposal considerations				
13.1. Waste treatment methods				
Regional legislation (waste)	: Disposal must be done according to official regulations.			
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.			
Additional information	: Flammable vapours may accumulate in the container.			

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
1263	1263	1263	1263	1263
14.2. UN proper shipp				
PAINT RELATED MATERIAL	PAINT RELATED MATERIAL	Paint	PAINT RELATED MATERIAL	PAINT RELATED MATERIAL
Transport document desc	ription	•		•
UN 1263 PAINT RELATED MATERIAL, 3, III, (D/E)	UN 1263 PAINT RELATED MATERIAL, 3, III	UN 1263 Paint, 3, III	UN 1263 PAINT RELATED MATERIAL, 3, III	UN 1263 PAINT RELATED MATERIAL, 3, III
14.3. Transport hazard	l class(es)	·	÷	·
3	3	3	3	3
14.4. Packing group	_		-	
III	111	111	III	111
14.5. Environmental hazards				
Dangerous for the	Dangerous for the	Dangerous for the	Dangerous for the	Dangerous for the
environment : No	environment : No Marine pollutant : No	environment : No	environment : No	environment : No
	No s	supplementary information ava	nilable	1

14.6. Special precautions for user

- Overland transport	
Classification code (ADR)	: F1
Special provisions (ADR)	: 163, 640E, 650
Limited quantities (ADR)	: 51
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Special packing provisions (ADR)	: PP1
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T2
Portable tank and bulk container special provisions (ADR)	: TP1, TP29
Tank code (ADR)	: LGBF

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Vehicle for tank carriage	: FL
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Special provisions for carriage - Operation (ADR)	: S2
Hazard identification number (Kemler No.)	: 30
Orange plates	30
	30 1263
Tunnel restriction code (ADR)	: D/E
EAC code	: •3YE
Transport by soo	
- Transport by sea Special provisions (IMDG)	: 163, 223, 955
Limited quantities (IMDG)	: 5L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
Special packing provisions (IMDG)	: PP1
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T2
Tank special provisions (IMDG)	: TP1, TP29
EmS-No. (Fire)	: F-E
EmS-No. (Spillage)	: S-E
Stowage category (IMDG)	: 0 : A
Properties and observations (IMDG)	: Miscibility with water depends upon the composition.
	· ····································
- Air transport	. 54
PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y344
PCA limited quantity max net quantity (IATA)	: 10L
PCA packing instructions (IATA)	: 355
PCA max net quantity (IATA)	: 60L
CAO packing instructions (IATA) CAO max net quantity (IATA)	: 366 : 220L
Special provisions (IATA)	: A3, A72, A192
ERG code (IATA)	: 3L
- Inland waterway transport	
Classification code (ADN)	: F1
Special provisions (ADN)	: 163, 64E, 65
Limited quantities (ADN)	: 5L
Excepted quantities (ADN)	: E1
Equipment required (ADN)	: PP, EX, A
Ventilation (ADN)	: VE01
Number of blue cones/lights (ADN)	: 0
- Rail transport	
Classification code (RID)	: F1
Special provisions (RID)	: 163, 640E, 650
Limited quantities (RID)	: 5L
Excepted quantities (RID)	: E1
Packing instructions (RID)	: P001, IBC03, LP01, R001
Special packing provisions (RID)	: PP1
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T2
Portable tank and bulk container special	: TP1, TP29
provisions (RID)	

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Tank codes for RID tanks (RID)	: LGBF
Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W12
Colis express (express parcels) (RID)	: CE4
Hazard identification number (RID)	: 30

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances

VOC content : 603 g/l

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 4 (Dermal) Acute toxicity (inemal), Category 4 Acute Tox. 4 (Inhalation) Acute toxicity (inhal.), Category 4 Acute Tox. 4 (Inhalation:dust,imis) Acute toxicity (inhal.), Category 4 Acute Tox. 4 (Inhalation:dust,imis) Acute toxicity (inhal.), Category 4 Aquatic Chronic 2 Hazardous to the uquatic environment — Chronic Hazard, Category 2 Asp. Tox. 1 Aspiration hazard, Category 3 Flam. Liq. 3 Flammable liquids, Category 3 Skin Infr. 2 Skin corrosion/irritation, Category 2 Skin Infr. 2 Skin sensitisation, Category 1 Stor Sta S Specific target organ toxicity — Repeated exposure, Category 2 STOT SE 3 Specific target organ toxicity — Single exposure, Category 3, Narcosis H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H3304 May be fatal if swallowed and enters ainways. H317 May causes an allergic skin reaction. H332 Harmful in contact with skin. H335 May cause an allergic skin reaction. H336 May cause dorwsinces or dizziness. H337 May cause dorwsinces or dizziness. H336<	Full text of H- and EUH-statements:			
Acute Tox. 4 (Inhalation:dust,mist)Acute toxicity (inhalation:dust,mist) Category 4Aquatic Chronic 2Hazardous to the aquatic environment — Chronic Hazard, Category 2Asp. Tox. 1Aspiration hazard, Category 1Flam. Liq. 2Flammable liquids, Category 3Skin Irrit. 2Skin corrosion/irritation, Category 1Skin Sens. 1Skin sensitisation, Category 1STOT RE 2Specific target organ toxicity — Repeated exposure, Category 3, Respiratory tract irritationSTOT SE 3Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritationSTOT SE 4Highly flammable liquid and vapour.H225Highly flammable liquid and vapour.H304May be fatal if swallowed and enters airways.H315Causes skin irritation.H316Causes skin irritation.H336May cause an allergic skin reaction.H336May cause drowsiness or dizzines.H373May cause drowsiness or dizzines.H411Toxic to aquatic life with long lasting effects.EU204Contans isocyatic life with long lasting effects.EU204Contans isocyatic life with long lasting effects.EU204Contans isocyatic life with long lasting effects.EU204Kon target organ so to test dataSkin Irrit. 2H315Galculation methodSkin Irrit. 2H315Skin Irrit. 2Calculation method	Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4		
Aquatic Chronic 2Hazardous to the aquatic environment — Chronic Hazard, Category 2Asp. Tox. 1Aspiration hazard, Category 1Flam. Liq. 2Flammable liquids, Category 2Flam. Liq. 3Flammable liquids, Category 3Skin trit. 2Skin corrosion/irritation, Category 2Skin sens. 1Skin corrosion/irritation, Category 1STOT RE 2Specific target organ toxicity — Repeated exposure, Category 3, Respiratory tract irritationSTOT SE 3Specific target organ toxicity — Single exposure, Category 3, NarcosisH225Highly flammable liquid and vapour.H226Flammable liquid and vapour.H304May be fatal if swallowed and enters airways.H315Causes skin irritation.H317May cause an allergic skin reaction.H338May cause drowsiness or dizziness.H336May cause drowsiness or dizziness.H373May cause drowsiness or dizziness.H411Toxic to aquatic life with long lasting effects.EU404Contain isiocya-tes. May prolonged or repeated exposure.Flam. Liq. 3H226On basis of test dataSkin Irrit. 2H315Calculation methodSkin Irrit. 2H315Calculation method	Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4		
Asp. Tox. 1Aspiration hazard, Category 1Flam. Liq. 2Flammable liquids, Category 2Flam. Liq. 3Flammable liquids, Category 3Skin Irrit. 2Skin corrosion/irritation, Category 2Skin Sens. 1Skin sensitisation, Category 1STOT RE 2Specific target organ toxicity — Repeated exposure, Category 3, Respiratory tract irritationSTOT SE 3Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritationSTOT SE 3Specific target organ toxicity — Single exposure, Category 3, NarcosisH225Highly flammable liquid and vapour.H226Flammable liquid and vapour.H304May be fatal if swallowed and enters airways.H312Harmful in contact with skin.H315Causes skin irritation.H336May cause en allergic skin reaction.H336May cause respiratory irritation.H336May cause dowsiness or dizziness.H373May cause damage to organs through prolonged or repeated exposure.H411Toxic to aquatic life with long lasting effects.EUH204Contains isocy=tes. May produce an allergic reaction.Flam. Liq. 3H226On basis of test dataSkin Irrit. 2H315Calculation methodSkin Sens. 1H315Calculation method	Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4		
Flam. Liq. 2Flammable liquids, Category 2Flam. Liq. 3Flammable liquids, Category 3Skin Irrit. 2Skin corrosion/irritation, Category 1Stor RE 2Specific target organ toxicity — Repeated exposure, Category 3, Respiratory tract irritationSTOT RE 2Specific target organ toxicity — Single exposure, Category 3, NarcosisTOT SE 3Specific target organ toxicity — Single exposure, Category 3, NarcosisH225Highly flammable liquid and vapour.H226Flammable liquid and vapour.H304May be fatal if swallowed and enters airways.H312Harmful in contact with skin.H315Causes skin irritation.H332Harmful in contact with skin.H333May cause en allergic skin reaction.H336May cause drowsiness or dizziness.H373May cause drowsiness or dizziness.H411Toxic to aquatic life with long lasting effects.EUH204Contains isocyanates. May produce an allergic reaction.Flam. Liq. 3H226Stain Sin XStain first Calculation methodStrint 2H315Calculation methodStrint 2H315Calculation method	Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2		
Flam. Liq. 3Flammable liquids, Category 3Skin Irrit. 2Skin corrosion/irritation, Category 2Skin Sens. 1Skin sensitisation, Category 1STOT RE 2Specific target organ toxicity — Repeated exposure, Category 2, Respiratory tract irritationSTOT SE 3Specific target organ toxicity — Single exposure, Category 3, NarcosisH225Highly flammable liquid and vapour.H226Flammable liquid and vapour.H304May be fatal if swallowed and enters airways.H312Harmful in contact with skin.H315Causes skin irritation.H336May cause an allergic skin reaction.H336May cause damage to organs through prolonged or repeated exposure.H411Toxic to aquatic life with long lasting effects.EUH204Contains isocyanates. May produce an allergic reaction.Flam. Liq. 3H226Nar Cause for Start Sta	Asp. Tox. 1	Aspiration hazard, Category 1		
Skin Irrit. 2Skin corrosion/irritation, Category 2Skin Sens. 1Skin sensitisation, Category 1STOT RE 2Specific target organ toxicity — Repeated exposure, Category 2STOT SE 3Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritationSTOT SE 3Specific target organ toxicity — Single exposure, Category 3, NarcosisH225Highly flammable liquid and vapour.H226Flammable liquid and vapour.H304May be fatal if swallowed and enters airways.H312Harmful in contact with skin.H315Causes skin irritation.H336May cause an allergic skin reaction.H336May cause drowsines or dizziness.H373May cause drowsines or dizziness.H411Toxic to aquatic life with long lasting effects.EUH204Contains isocyanates. May produce an allergic reaction.Flam. Liq. 3H226On basis of test dataSkin Sens. 1H317Calculation methodStor SE 3H335Calculation method	Flam. Liq. 2	Flammable liquids, Category 2		
Skin Sens. 1Skin sensitisation, Category 1STOT RE 2Specific target organ toxicity — Repeated exposure, Category 2STOT SE 3Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritationSTOT SE 3Specific target organ toxicity — Single exposure, Category 3, NarcosisH225Highly flammable liquid and vapour.H226Flammable liquid and vapour.H304May be fatal if swallowed and enters airways.H315Causes skin irritation.H316Causes skin irritation.H332Harmful in contact with skin.H333May cause an allergic skin reaction.H336May cause drowsiness or dizziness.H373May cause drowsiness or dizziness.H411Toxic to aquatic life with long lasting effects.EUH204Contains isocyanates. May produce an allergic reaction.Flam. Liq. 3H226On basis of test dataSkin Sens. 1H317Calculation methodSkin Sens. 1H317Calculation method	Flam. Liq. 3	Flammable liquids, Category 3		
STOT RE 2Specific target organ toxicity — Repeated exposure, Category 2STOT SE 3Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritationSTOT SE 3Specific target organ toxicity — Single exposure, Category 3, NarcosisH225Highly flammable liquid and vapour.H226Flammable liquid and vapour.H304May be fatal if swallowed and enters airways.H312Harmful in contact with skin.H315Causes skin irritation.H332Harmful if inhaled.H335May cause an allergic skin reaction.H336May cause drowsiness or dizziness.H373May cause domage to organs through prolonged or repeated exposure.H411Toxic to aquatic life with long lasting effects.EUH204Contains isocyanates. May produce an allergic reaction.Flam. Liq. 3H226Nin First 2H315Calculation methodSkin Sens. 1H317Calculation method	Skin Irrit. 2	Skin corrosion/irritation, Category 2		
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STOT SE 3 H335 Calculation method		H315	Calculation method	
	Skin Sens. 1	H317	Calculation method	
STOT RE 2 H373 Calculation method	STOT SE 3	H335	Calculation method	
	STOT RE 2	H373	Calculation method	

Safety Data Sheet

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

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