

WHITECHEM PU PAINT 214 HARDENER

Safety Data Sheet

According to Regulation (EU) 2015/830

Date of issue: 5/24/2017

Revision date:

Supersedes:

Version: 0.0

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

1.1. Product identifier

Product form : Mixture
Trade name : WHITECHEM PU PAINT 214 HARDENER
Type of product : Coating
Product group : Trade product

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

1.2.1. Relevant identified uses

Intended for general public

Main use category : Industrial use

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

AKDE KİMYA END. SAN. ve TİC. LTD. ŞTİ.
Yeşilbayır mahallesi Şimşir sokak No:20 20
34555 İSTANBUL - TURKEY
T +90 2127710622 - F +90 2127710624
info@akde.net - www.akde.net / www.whitechem.com.tr

1.4. Emergency telephone number

Emergency number : +90 2127711371 (9:00 am - 17:00 pm GMT+2)

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit	Claremont Place Newcastle-upon-Tyne NE1 4LP Newcastle	0344 892 0111	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flammable liquids, Category 3 H226 On basis of test data
Skin corrosion/irritation, Category 2 H315 Calculation method
Skin sensitisation, Category 1 H317 Calculation method
Specific target organ toxicity — Single exposure, Category 3, Narcosis H336 Calculation method

Full text of hazard classes and H-statements : see section 16

Adverse physicochemical, human health and environmental effects

Flammable liquid and vapour. May cause drowsiness or dizziness. 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) : Warning
Hazardous ingredients : Xylene; n-butyl acetate; Hexane, 1,6-diisocyanato-, homopolymer; hexamethylene-diisocyanate
Hazard statements (CLP) : H226 - Flammable liquid and vapour
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H336 - May cause drowsiness or dizziness

WHITECHEM PU PAINT 214 HARDENER

Safety Data Sheet

According to Regulation (EU) 2015/830

Date of issue: 5/24/2017

Revision date:

Supersedes:

Version: 0.0

Precautionary statements (CLP)	: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking P261 - Avoid breathing dust, fume, gas, mist, spray, vapours P271 - Use only outdoors or in a well-ventilated area P280 - Wear eye protection, face protection, protective clothing, protective gloves P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing P312 - Call a doctor, a POISON CENTER if you feel unwell P333+P313 - If skin irritation or rash occurs: Get medical advice/attention P403+P235 - Store in a well-ventilated place. Keep cool P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation
Security closing plug for children	: Not applicable
Tactile warning	: Not applicable

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	35 - 50	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Dermal), H312 Skin Irrit. 2, H315
n-butyl acetate	(CAS-No.) 123-86-4 (EC-No.) 204-658-1 (EC Index-No.) 607-025-00-1 (REACH-no) 01-2119485493-29	30 - 40	Flam. Liq. 3, H226 STOT SE 3, H336
Hexane, 1,6-diisocyanato-, homopolymer	(CAS-No.) 28182-81-2 (EC-No.) 500-060-2 (REACH-no) 01-2119485796-17	15 - 30	Acute Tox. 4 (Inhalation), 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	< 1	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 STOT RE 2, H373 Asp. Tox. 1, H304
hexamethylene-di-isocyanate (Note 2)	(CAS-No.) 822-06-0 (EC-No.) 212-485-8 (EC Index-No.) 615-011-00-1 (REACH-no) 01-2119457571-37	< 0.5	Acute Tox. 3 (Inhalation), H331 Eye Irrit. 2, H319 STOT SE 3, H335 Skin Irrit. 2, H315 Resp. Sens. 1, H334 Skin Sens. 1, H317
Specific concentration limits:			
Name	Product identifier	Specific concentration limits	
hexamethylene-di-isocyanate	(CAS-No.) 822-06-0 (EC-No.) 212-485-8 (EC Index-No.) 615-011-00-1 (REACH-no) 01-2119457571-37	(C >= 0.5) Skin Sens. 1, H317 (C >= 0.5) Resp. Sens. 1, H334	

Note 2 : The concentration of isocyanate stated is the percentage by weight of the free monomer calculated with reference to the total weight of the mixture.

Note C : Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

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.

WHITECHEM PU PAINT 214 HARDENER

Safety Data Sheet

According to Regulation (EU) 2015/830

Date of issue: 5/24/2017

Revision date:

Supersedes:

Version: 0.0

First-aid measures after skin contact	: Rinse skin with water/shower. Remove/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 effects, both acute and delayed

Symptoms/effects	: May cause drowsiness or dizziness.
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 medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Sand.
------------------------------	--

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Flammable liquid and vapour.
Hazardous decomposition products in case of fire	: Toxic fumes may be released. Carbon monoxide. Carbon dioxide.

5.3. Advice for firefighters

Precautionary measures fire	: Evacuate area. Stop leak if safe to do so. Eliminate all ignition sources if safe to do so. This product is not to be used under conditions of poor ventilation. Keep container tightly closed and away from heat, sparks and flame. Avoid breathing dust, mist or spray. Cool containers / tanks with spray water if possible. Cool containers with flooding quantities of water until well after fire is out. Notify authorities if liquid enters sewers or public waters.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Eliminate every possible source of ignition. No open flames. No smoking. Evacuate personnel to a safe area. Do not handle until all safety precautions have been read and understood. Do not touch or walk on the spilled product. Ensure adequate ventilation.
------------------	---

6.1.1. For non-emergency personnel

Emergency procedures	: Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing dust, fume, gas, mist, spray, vapours. Avoid contact with skin and eyes. Remove all sources of ignition. Only qualified personnel equipped with suitable protective equipment may intervene. Evacuate personnel to a safe area.
----------------------	---

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. Do not allow to enter drains or water courses. Notify authorities if liquid enters sewers or public waters. Absorb remaining liquid with sand or inert absorbent and remove to safe place.

6.3. Methods and material for containment and cleaning up

For containment	: Do not touch or walk on the spilled product. Collect spillage. Keep away from sources of ignition - No smoking.
Methods for cleaning up	: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters. Clean contaminated surfaces with an excess of water. Absorb remaining liquid with sand or inert absorbent and remove to safe place. Remove all sources of ignition. No open flames, no sparks, and no smoking.
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. For further information refer to section 8: "Exposure controls/personal protection".

WHITECHEM PU PAINT 214 HARDENER

Safety Data Sheet

According to Regulation (EU) 2015/830

Date of issue: 5/24/2017

Revision date:

Supersedes:

Version: 0.0

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. Use only outdoors or in a well-ventilated area. Avoid breathing dust, fume, gas, mist, spray, vapours. Avoid contact with skin and eyes. Ensure good ventilation of the work station. Keep away from food, drink and animal feeding stuffs. Handle and open container with care. Contaminated work clothing should not be allowed out of the workplace. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Keep containers closed. Take off contaminated clothing and wash before reuse.
- 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, including 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. Store in original container. Keep away from ignition sources. Take precautionary measures against static discharge. Ground/bond container and equipment.
- Incompatible products : Oxidizing agent.
- Incompatible materials : Sources of ignition. Heat sources.

7.3. Specific end use(s)

(Read the technical data sheet).

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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
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
Croatia	Local name	Ksilen (svi izomeri)
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	221 mg/m ³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	50 ppm
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti)	442 mg/m ³
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti)	100 ppm
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	440 mg/m ³
Germany	TRGS 900 Occupational exposure limit value (ppm)	100 mg/m ³
Germany	Remark (TRGS 900)	DFG,EU,H
Gibraltar	Eight hours mg/m ³	221 mg/m ³
Gibraltar	Eight hours ppm	50 ppm
Gibraltar	Short-term mg/m ³	442 mg/m ³
Gibraltar	Short-term ppm	100 ppm
Ireland	Local name	Xylene, mixed isomers
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
Italy	Local name	Xilene, isomeri misti, puro
Italy	OEL TWA (mg/m ³)	221 mg/m ³
Italy	OEL TWA (ppm)	50 ppm
Italy	OEL STEL (mg/m ³)	442 mg/m ³
Italy	OEL STEL (ppm)	100 ppm

WHITECHEM PU PAINT 214 HARDENER

Safety Data Sheet

According to Regulation (EU) 2015/830

Date of issue: 5/24/2017

Revision date:

Supersedes:

Version: 0.0

Latvia	Local name	Ksilols (o-,m-,p-ksilols, dimetilbenzols)
Latvia	OEL TWA (mg/m ³)	221 mg/m ³
Latvia	OEL TWA (ppm)	50 ppm
Latvia	OEL STEL (mg/m ³)	442 mg/m ³
Latvia	OEL STEL (ppm)	100 ppm
Luxembourg	Local name	Xylène, isomères mixtes, purs
Luxembourg	OEL TWA (mg/m ³)	221 mg/m ³
Luxembourg	OEL TWA (ppm)	50 ppm
Luxembourg	OEL STEL (mg/m ³)	442 mg/m ³
Luxembourg	OEL STEL (ppm)	100 ppm
Malta	Local name	Xylene, mixed isomers, pure
Malta	OEL TWA (mg/m ³)	221 mg/m ³
Malta	OEL TWA (ppm)	50 ppm
Malta	OEL STEL (mg/m ³)	442 mg/m ³
Malta	OEL STEL (ppm)	100 ppm
Romania	Local name	Xilen (izomeri)
Romania	OEL TWA (mg/m ³)	221 mg/m ³
Romania	OEL TWA (ppm)	50 ppm
Romania	OEL STEL (mg/m ³)	442 mg/m ³
Romania	OEL STEL (ppm)	100 ppm
Slovenia	Local name	ksilen (mešane izomere)
Slovenia	OEL TWA (mg/m ³)	221 mg/m ³
Slovenia	OEL TWA (ppm)	50 ppm
Spain	Local name	Xilenos, mezcla isómeros
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
USA - OSHA	Local name	Xylenes (o-, m-, p-isomers)
USA - OSHA	OSHA PEL (TWA) (mg/m ³)	435 mg/m ³
USA - OSHA	OSHA PEL (TWA) (ppm)	100 ppm
n-butyl acetate (123-86-4)		
Belgium	Local name	Acétate de n-butyle # n-Butylacetaat
Belgium	Limit value (mg/m ³)	723 mg/m ³
Belgium	Limit value (ppm)	150 ppm
Belgium	Short time value (mg/m ³)	964 mg/m ³
Belgium	Short time value (ppm)	200 ppm
Croatia	Local name	n-Butil-acetat
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	724 mg/m ³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	150 ppm
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti)	966 mg/m ³
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti)	200 ppm
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	300 mg/m ³
Germany	TRGS 900 Occupational exposure limit value (ppm)	62 mg/m ³
Germany	Remark (TRGS 900)	AGS,Y
Ireland	Local name	Butyl acetate
Ireland	OEL (8 hours ref) (mg/m ³)	710 mg/m ³
Ireland	OEL (8 hours ref) (ppm)	150 ppm
Ireland	OEL (15 min ref) (mg/m ³)	950 mg/m ³
Ireland	OEL (15 min ref) (ppm)	200 ppm
Romania	Local name	Acetat de butil
Romania	OEL TWA (mg/m ³)	715 mg/m ³
Romania	OEL TWA (ppm)	150 ppm
Romania	OEL STEL (mg/m ³)	950 mg/m ³
Romania	OEL STEL (ppm)	200 ppm
Slovenia	Local name	n-butylacetat
Slovenia	OEL TWA (mg/m ³)	480 mg/m ³
Slovenia	OEL TWA (ppm)	100 ppm
Spain	Local name	Acetato de n-butilo
Spain	VLA-ED (mg/m ³)	724 mg/m ³
Spain	VLA-ED (ppm)	150 ppm

WHITECHEM PU PAINT 214 HARDENER

Safety Data Sheet

According to Regulation (EU) 2015/830

Date of issue: 5/24/2017

Revision date:

Supersedes:

Version: 0.0

Spain	VLA-EC (mg/m ³)	965 mg/m ³
Spain	VLA-EC (ppm)	200 ppm
USA - OSHA	Local name	n-Butyl-acetate
USA - OSHA	OSHA PEL (TWA) (mg/m ³)	710 mg/m ³
USA - OSHA	OSHA PEL (TWA) (ppm)	150 ppm
Hexamethylene-di-isocyanate (822-06-0)		
Belgium	Limit value (mg/m ³)	0.034 mg/m ³
Belgium	Limit value (ppm)	0.005 ppm
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	0.035 mg/m ³
Germany	TRGS 900 Occupational exposure limit value (ppm)	0.005 mg/m ³
Germany	Remark (TRGS 900)	DFG,11,12,Sa
Ireland	Local name	Hexamethylene diisocyanate (as -NCO)
Ireland	OEL (8 hours ref) (ppm)	0.005 ppm
Ireland	Notes (IE)	Sens.
Romania	Local name	Hexametilen-diizocianat
Romania	OEL TWA (mg/m ³)	0.05 mg/m ³
Romania	OEL TWA (ppm)	0.007 ppm
Romania	OEL STEL (mg/m ³)	1 mg/m ³
Romania	OEL STEL (ppm)	0.14 ppm
Slovenia	Local name	heksametilen-1,6-diizocianat
Slovenia	OEL TWA (mg/m ³)	0.035 mg/m ³
Slovenia	OEL TWA (ppm)	0.005 ppm
Spain	Local name	Diisocianato de 1,6-hexametileno (HDI)
Spain	VLA-ED (mg/m ³)	0.035 mg/m ³
Spain	VLA-ED (ppm)	0.005 ppm
Spain	Notes	Sen (Sensibilizante).
Ethylbenzene (100-41-4)		
EU	Local name	Ethylbenzene
EU	IOELV TWA (mg/m ³)	442 mg/m ³
EU	IOELV TWA (ppm)	100 ppm
EU	IOELV STEL (mg/m ³)	884 mg/m ³
EU	IOELV STEL (ppm)	200 ppm
EU	Notes	Skin
Croatia	Local name	Etilbenzen
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	442 mg/m ³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	100 ppm
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti)	884 mg/m ³
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti)	200 ppm
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	88 mg/m ³
Germany	TRGS 900 Occupational exposure limit value (ppm)	20 mg/m ³
Germany	Remark (TRGS 900)	DFG,H,Y,EU
Ireland	Local name	Ethylbenzene
Ireland	OEL (8 hours ref) (mg/m ³)	442 mg/m ³
Ireland	OEL (8 hours ref) (ppm)	100 ppm
Ireland	OEL (15 min ref) (mg/m ³)	884 mg/m ³
Ireland	OEL (15 min ref) (ppm)	200 ppm
Ireland	Notes (IE)	Sk, IOELV
Italy	Local name	Etilbenzene
Italy	OEL TWA (mg/m ³)	442 mg/m ³
Italy	OEL TWA (ppm)	100 ppm
Italy	OEL STEL (mg/m ³)	884 mg/m ³
Italy	OEL STEL (ppm)	200 ppm
Latvia	Local name	Etilbenzols
Latvia	OEL TWA (mg/m ³)	442 mg/m ³
Latvia	OEL TWA (ppm)	100 ppm
Latvia	OEL STEL (mg/m ³)	884 mg/m ³
Latvia	OEL STEL (ppm)	200 ppm
Luxembourg	Local name	Ethylbenzène
Luxembourg	OEL TWA (mg/m ³)	442 mg/m ³
Luxembourg	OEL TWA (ppm)	100 ppm

WHITECHEM PU PAINT 214 HARDENER

Safety Data Sheet

According to Regulation (EU) 2015/830

Date of issue: 5/24/2017

Revision date:

Supersedes:

Version: 0.0

Luxembourg	OEL STEL (mg/m ³)	884 mg/m ³
Luxembourg	OEL STEL (ppm)	200 ppm
Malta	Local name	Ethylbenzene
Malta	OEL TWA (mg/m ³)	442 mg/m ³
Malta	OEL TWA (ppm)	100 ppm
Malta	OEL STEL (mg/m ³)	884 mg/m ³
Malta	OEL STEL (ppm)	200 ppm
Romania	Local name	Etilbenzen
Romania	OEL TWA (mg/m ³)	442 mg/m ³
Romania	OEL TWA (ppm)	100 ppm
Romania	OEL STEL (mg/m ³)	884 mg/m ³
Romania	OEL STEL (ppm)	200 ppm
Slovenia	Local name	etilbenzen
Slovenia	OEL TWA (mg/m ³)	442 mg/m ³
Slovenia	OEL TWA (ppm)	100 ppm
Spain	Local name	Etilbenceno
Spain	VLA-ED (mg/m ³)	441 mg/m ³
Spain	VLA-ED (ppm)	100 ppm
Spain	VLA-EC (mg/m ³)	884 mg/m ³
Spain	VLA-EC (ppm)	200 ppm
USA - OSHA	Local name	Ethyl benzene
USA - OSHA	OSHA PEL (TWA) (mg/m ³)	435 mg/m ³
USA - OSHA	OSHA PEL (TWA) (ppm)	100 ppm

8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Hand protection : Protective gloves

Type	Standard
Disposable gloves	EN 374

Eye protection : Safety glasses

Type	Use	Characteristics	Standard
Safety glasses	Droplet	With side shields	EN 166

Skin and body protection : Wear suitable protective clothing

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment

Device	Standard
Self-contained breathing apparatus (SCBA), Reusable half mask	EN 14387, EN 136, EN 140



Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Colour	: Colourless.
Odour	: Characteristic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable

WHITECHEM PU PAINT 214 HARDENER

Safety Data Sheet

According to Regulation (EU) 2015/830

Date of issue: 5/24/2017

Revision date:

Supersedes:

Version: 0.0

Freezing point	: No data available
Boiling point	: > 85 °C
Flash point	: 25 °C
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	: 0.9 - 1 g/ml
Solubility	: No data available
Log Pow	: No data available
Viscosity, kinematic	: 0.6 mm²/s
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

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. Reacts with oxidising compounds.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition. Risk of explosion by shock, friction, fire or other sources of ignition.

10.5. Incompatible materials

Oxidizing agent.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Toxic fumes may be released.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

WHITECHEM PU PAINT 214 HARDENER

ATE dermal	>2000 mg/kg
ATE inhalation	>20 mg/l (vapors)

Xylene (1330-20-7)

ATE dermal	1100 mg/kg
ATE inhalation	11 mg/l (vapors)
Skin corrosion/irritation	: Causes skin irritation.
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 drowsiness or dizziness.

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

WHITECHEM PU PAINT 214 HARDENER

Safety Data Sheet

According to Regulation (EU) 2015/830

Date of issue: 5/24/2017

Revision date:

Supersedes:

Version: 0.0

WHITECHEM PU PAINT 214 HARDENER

Viscosity, kinematic	0.6 mm ² /s
----------------------	------------------------

SECTION 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.

Xylene (1330-20-7)

LC50 96h fish	26.700 µg/l Pimephales promelas
EC50 24h daphnia	150.000 µg/l Daphnia magna

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

14.1. UN number

UN-No. (ADR)	: 1263
UN-No. (IMDG)	: 1263
UN-No. (IATA)	: 1263
UN-No. (ADN)	: 1263
UN-No. (RID)	: 1263

14.2. UN proper shipping name

Proper Shipping Name (ADR)	: PAINT RELATED MATERIAL
Proper Shipping Name (IMDG)	: PAINT RELATED MATERIAL
Proper Shipping Name (IATA)	: PAINT RELATED MATERIAL
Proper Shipping Name (ADN)	: PAINT RELATED MATERIAL
Proper Shipping Name (RID)	: PAINT RELATED MATERIAL
Transport document description (ADR)	: UN 1263 PAINT RELATED MATERIAL, 3, III, (D/E)
Transport document description (IMDG)	: UN 1263 PAINT RELATED MATERIAL, 3, III
Transport document description (IATA)	: UN 1263 PAINT RELATED MATERIAL, 3, III
Transport document description (ADN)	: UN 1263 PAINT RELATED MATERIAL, 3, III
Transport document description (RID)	: UN 1263 PAINT RELATED MATERIAL, 3, III

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR)	: 3
Danger labels (ADR)	: 3

WHITECHEM PU PAINT 214 HARDENER

Safety Data Sheet

According to Regulation (EU) 2015/830

Date of issue: 5/24/2017

Revision date:

Supersedes:

Version: 0.0



IMDG

Transport hazard class(es) (IMDG) : 3

Danger labels (IMDG) : 3



IATA

Transport hazard class(es) (IATA) : 3

Hazard labels (IATA) : 3



ADN

Transport hazard class(es) (ADN) : 3

Danger labels (ADN) : 3



RID

Transport hazard class(es) (RID) : 3

Danger labels (RID) : 3



14.4. Packing group

Packing group (ADR) : III

Packing group (IMDG) : III

Packing group (IATA) : III

Packing group (ADN) : III

Packing group (RID) : III

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

WHITECHEM PU PAINT 214 HARDENER

Safety Data Sheet

According to Regulation (EU) 2015/830

Date of issue: 5/24/2017

Revision date:

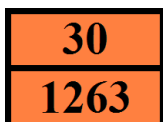
Supersedes:

Version: 0.0

14.6. Special precautions for user

- Overland transport

Classification code (ADR)	: F1
Special provisions (ADR)	: 163, 640E, 650, 367
Limited quantities (ADR)	: 5L
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
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	:



Tunnel restriction code (ADR)	: D/E
-------------------------------	-------

- Transport by sea

Special provisions (IMDG)	: 163, 223, 955
Limited quantities (IMDG)	: 5 L
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)	: A
Properties and observations (IMDG)	: Miscibility with water depends upon the composition.

- Air transport

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)	: 366
CAO max net quantity (IATA)	: 220L
Special provisions (IATA)	: A3, A72, A192
ERG code (IATA)	: 3L

- Inland waterway transport

Classification code (ADN)	: F1
Special provisions (ADN)	: 163, 367, 640E, 650
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1

WHITECHEM PU PAINT 214 HARDENER

Safety Data Sheet

According to Regulation (EU) 2015/830

Date of issue: 5/24/2017

Revision date:

Supersedes:

Version: 0.0

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, 367, 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 provisions (RID) : TP1, TP29
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 73/78 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

15.1.2. National regulations

Germany

VwVwS Annex reference : Water hazard class (WGK) 2, hazard to waters (Classification according to VwVwS, Annex 4)
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed
SZW-lijst van mutagene stoffen : None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : xylene is listed

Denmark

Class for fire hazard : Class II-1
Store unit : 5 liter
Classification remarks : R10 <H226;H315;H317;H336>; Emergency management guidelines for the storage of flammable liquids must be followed
Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

WHITECHEM PU PAINT 214 HARDENER

Safety Data Sheet

According to Regulation (EU) 2015/830

Date of issue: 5/24/2017

Revision date:

Supersedes:

Version: 0.0

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. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Resp. Sens. 1	Respiratory sensitisation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H331	Toxic if inhaled
H332	Harmful if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H373	May cause damage to organs through prolonged or repeated exposure

SDS EU WHITECHEM

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