

**Safety data sheet
according to 1907/2006/EC, Article 31**

Printing date 05.11.2021

V- 3.0 (replaces version 2.1)

Revision: 20.04.2021

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

1.1 Product identifier

Trade name: 0RS125, 0RS126 Utwardzacz do Podkładu wypełniającego

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

Identified uses: professional use.

Uses advised against: do-it-yourself

Application of the substance / the mixture Hardening agent/ Curing agent

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Inter Cars S.A.

ul. Powsińska 64,

02-903 Warszawa

Telefon: +48 22 714 10 70

Fax: +48 22 714 17 18

ic.diagnostyka@intercars.eu

Further information obtainable from: ic.diagnostyka@intercars.eu

1.4 Emergency telephone number: Tel. + 48 22 714 17 20; 112, czynny Pn-Pt 8:00-16:00

*** SECTION 2: Hazards identification**

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS02

Flam. Liq. 2 H225

Highly flammable liquid and vapour.



GHS08

Resp. Sens. 1 H334

May cause allergy or asthma symptoms or breathing difficulties if inhaled.



GHS07

Acute Tox. 4 H332

Harmful if inhaled.

Eye Irrit. 2 H319

Causes serious eye irritation.

Skin Sens. 1 H317

May cause an allergic skin reaction.

STOT SE 3 H335-H336

May cause respiratory irritation. May cause drowsiness or dizziness.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

(Contd. on page 2)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 05.11.2021

V- 3.0 (replaces version 2.1)

Revision: 20.04.2021

Trade name: 0RS125, 0RS126 Utwardzacz do Podkładu wypełniającego

(Contd. of page 1)

Hazard pictograms



GHS02 GHS07 GHS08

Signal word Danger

Hazard-determining components of labelling:

hexamethylene diisocyanate homopolymer
n-butyl acetate
toluene-diisocyanate
aromatic polyisocyanate
tosyl isocyanate

Hazard statements

H225 Highly flammable liquid and vapour.
H332 Harmful if inhaled.
H319 Causes serious eye irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317 May cause an allergic skin reaction.
H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P284 In case of inadequate ventilation wear respiratory protection.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

EUH066 Repeated exposure may cause skin dryness or cracking.
Contains isocyanates. May produce an allergic reaction.
As from 24 August 2023 adequate training is required before industrial or professional use.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.
vPvB: Not applicable.

* **SECTION 3: Composition/information on ingredients**

3.2 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 123-86-4 EINECS: 204-658-1 Reg.nr.: 01-2119485493-29	n-butyl acetate Flam. Liq. 3, H226; ! STOT SE 3, H336, EUH066	25-50%
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(Contd. on page 3)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 05.11.2021

V- 3.0 (replaces version 2.1)

Revision: 20.04.2021

Trade name: 0RS125, 0RS126 Utwardzacz do Podkładu wypełniającego

(Contd. of page 2)

CAS: 28182-81-2 NLP: 500-060-2 Reg.nr.: 01-2119485796-17	hexamethylene diisocyanate homopolymer ⚠ Acute Tox. 4, H332; Skin Sens. 1, H317; STOT SE 3, H335	10-25%
CAS: 53317-61-6 NLP: 500-120-8	aromatic polyisocyanate ⚠ Eye Irrit. 2, H319; Skin Sens. 1, H317	10-<20%
CAS: 108-65-6 EINECS: 203-603-9 Reg.nr.: 01-2119475791-29	2-methoxy-1-methylethyl acetate ⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336	5-15%
CAS: 141-78-6 EINECS: 205-500-4 Reg.nr.: 01-2119475103-46	ethyl acetate ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	1-5%
List no.: 905-588-0 Reg.nr.: 01-2119539452-40 01-2119486136-34	Reaction mass of ethylbenzene and xylene ⚠ Flam. Liq. 3, H226; ⚠ STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; Aquatic Chronic 3, H412	1-5%
CAS: 4083-64-1 EINECS: 223-810-8 Reg.nr.: 01-2119980050-47	tosyl isocyanate ⚠ Resp. Sens. 1, H334; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335, EUH014, EUH204 Specific concentration limits: Eye Irrit. 2; H319: C ≥ 5 % STOT SE 3; H335: C ≥ 5 % Skin Irrit. 2; H315: C ≥ 5 %	0.1-<1%
CAS: 26471-62-5 EINECS: 247-722-4 Reg.nr.: 01-2119454791-34	toluene-diisocyanate ⚠ Acute Tox. 1, H330; ⚠ Resp. Sens. 1, H334; Carc. 2, H351; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335; Aquatic Chronic 3, H412, EUH204 Specific concentration limit: Resp. Sens. 1; H334: C ≥ 0.1 %	0.1-<0.5%

Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Immediately remove any clothing soiled by the product.

In case of irregular breathing or respiratory arrest provide artificial respiration.

Take affected persons out of danger area and lay down.

After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

(Contd. on page 4)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 05.11.2021

V- 3.0 (replaces version 2.1)

Revision: 20.04.2021

Trade name: 0RS125, 0RS126 Utwardzacz do Podkładu wypełniającego

(Contd. of page 3)

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture

Can form explosive gas-air mixtures.

Formation of toxic gases is possible during heating or in case of fire.

Hydrogen cyanide (HCN)

Isocyanate vapors.

Carbon monoxide and carbon dioxide

5.3 Advice for firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Do not inhale explosion gases or combustion gases.

Additional information

Cool endangered receptacles with water spray.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep away from ignition sources.

Avoid contact with the eyes and skin.

6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Do not flush with water or aqueous cleansing agents.

Dispose of the material collected according to regulations.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

(Contd. on page 5)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 05.11.2021

V- 3.0 (replaces version 2.1)

Revision: 20.04.2021

Trade name: 0RS125, 0RS126 Utwardzacz do Podkładu wypełniającego

(Contd. of page 4)

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

Do not eat, drink, smoke or sniff while working.

Do not allow to enter sewers/ surface or ground water.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Fumes can combine with air to form an explosive mixture.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store in a cool location.

Store only in the original receptacle.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidising agents.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Store receptacle in a well ventilated area.

7.3 Specific end use(s) No further relevant information available.

* SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

123-86-4 n-butyl acetate

WEL (Great Britain) Short-term value: 966 mg/m³, 200 ppm

Long-term value: 724 mg/m³, 150 ppm

IOELV (EU) Short-term value: 723 mg/m³, 150 ppm

Long-term value: 241 mg/m³, 50 ppm

108-65-6 2-methoxy-1-methylethyl acetate

WEL (Great Britain) Short-term value: 548 mg/m³, 100 ppm

Long-term value: 274 mg/m³, 50 ppm

Sk

IOELV (EU) Short-term value: 550 mg/m³, 100 ppm

Long-term value: 275 mg/m³, 50 ppm

Skin

141-78-6 ethyl acetate

WEL (Great Britain) Short-term value: 1468 mg/m³, 400 ppm

Long-term value: 734 mg/m³, 200 ppm

IOELV (EU) Short-term value: 1468 mg/m³, 400 ppm

Long-term value: 734 mg/m³, 200 ppm

(Contd. on page 6)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 05.11.2021

V- 3.0 (replaces version 2.1)

Revision: 20.04.2021

Trade name: 0RS125, 0RS126 Utwardzacz do Podkładu wypełniającego

(Contd. of page 5)

Reaction mass of ethylbenzene and xylene	
WEL (Great Britain)	Short-term value: 441 mg/m ³ , 100 ppm Long-term value: 220 mg/m ³ , 50 ppm Sk; BMGV
IOELV (EU)	Short-term value: 442 mg/m ³ , 100 ppm Long-term value: 221 mg/m ³ , 50 ppm Skin
4083-64-1 tosyl isocyanate	
WEL (Great Britain)	Short-term value: 0.07 mg/m ³ Long-term value: 0.02 mg/m ³ Sen; as -NCO
26471-62-5 toluene-diisocyanate	
WEL (Great Britain)	Short-term value: 0.07 mg/m ³ Long-term value: 0.02 mg/m ³ Sen; as -NCO

Regulatory information

WEL (Great Britain): EH40/2020

IOELV (EU): (EU) 2019/1831

DNELs	
123-86-4 n-butyl acetate	
Dermal	DNEL 7 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative	DNEL 960 mg/m ³ (acute - systemic effects, workers) 960 mg/m ³ (acute - local effects, workers) 480 mg/m ³ (long-term - systemic effects, workers) 480 mg/m ³ (long-term - local effects, workers)
28182-81-2 hexamethylene diisocyanate homopolymer	
Inhalative	DNEL 1 mg/m ³ (acute - local effects, workers) 0.5 mg/m ³ (long-term - local effects, workers)
108-65-6 2-methoxy-1-methylethyl acetate	
Dermal	DNEL 153.5 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative	DNEL 275 mg/m ³ (long-term - systemic effects, workers)
141-78-6 ethyl acetate	
Dermal	DNEL 63 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative	DNEL 1,468 mg/m ³ (acute - systemic effects, workers) 1,468 mg/m ³ (acute - local effects, workers) 734 mg/m ³ (long-term - systemic effects, workers) 734 mg/m ³ (long-term - local effects, workers)
Reaction mass of ethylbenzene and xylene	
Dermal	DNEL 212 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative	DNEL 442 mg/m ³ (acute - systemic effects, workers) 442 mg/m ³ (acute - local effects, workers) 221 mg/m ³ (long-term - systemic effects, workers) 221 mg/m ³ (long-term - local effects, workers)

(Contd. on page 7)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 05.11.2021

V- 3.0 (replaces version 2.1)

Revision: 20.04.2021

Trade name: 0RS125, 0RS126 Utwardzacz do Podkładu wypełniającego

(Contd. of page 6)

4083-64-1 tosyl isocyanate		
Dermal	DNEL	0.92 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative	DNEL	3.24 mg/m ³ (long-term - systemic effects, workers)
PNECs		
123-86-4 n-butyl acetate		
PNEC	0.18 mg/l (freshwater environment)	
	0.018 mg/l (marine environment)	
	0.36 mg/l (intermittent releases)	
	35.6 mg/l (sewage treatment plants)	
PNEC	0.981 mg/kg (freshwater sediment environment)	
28182-81-2 hexamethylene diisocyanate homopolymer		
PNEC	0.127 mg/l (freshwater environment)	
	0.0127 mg/l (marine environment)	
	1.27 mg/l (intermittent releases)	
	38.3 mg/l (sewage treatment plants)	
PNEC	266,700 mg/kg (freshwater sediment environment)	
	26,670 mg/kg (marine sediment environment)	
	53,182 mg/kg (soil)	
108-65-6 2-methoxy-1-methylethyl acetate		
PNEC	0.635 mg/l (freshwater environment)	
	0.0635 mg/l (marine environment)	
	6.35 mg/l (intermittent releases)	
	100 mg/l (sewage treatment plants)	
PNEC	3.29 mg/kg (freshwater sediment environment)	
	0.329 mg/kg (marine sediment environment)	
141-78-6 ethyl acetate		
PNEC	0.24 mg/l (freshwater environment)	
	0.024 mg/l (marine environment)	
	1.65 mg/l (intermittent releases)	
	650 mg/l (sewage treatment plants)	
PNEC	1.15 mg/kg (freshwater sediment environment)	
	0.115 mg/kg (marine sediment environment)	
Reaction mass of ethylbenzene and xylene		
PNEC	6.58 mg/l (sewage treatment plants)	
PNEC	12.46 mg/kg (freshwater sediment environment)	
	12.46 mg/kg (marine sediment environment)	
PNEC	327 µg/l (freshwater environment)	
	327 µg/l (intermittent releases)	
4083-64-1 tosyl isocyanate		
PNEC	0.03 mg/l (freshwater environment)	
	0.003 mg/l (marine environment)	

(Contd. on page 8)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 05.11.2021

V- 3.0 (replaces version 2.1)

Revision: 20.04.2021

Trade name: 0RS125, 0RS126 Utwardzacz do Podkładu wypełniającego

(Contd. of page 7)

PNEC	0.3 mg/l (intermittent releases)
	0.4 mg/l (sewage treatment plants)
	0.0172 mg/kg (marine environment)
	0.172 mg/kg (freshwater sediment environment)
	0.0168 mg/kg (soil)

Ingredients with biological limit values:

Reaction mass of ethylbenzene and xylene

BMGV (Great Britain)	650 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: methyl hippuric acid
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Regulatory information BMGV (Great Britain): EH40/2011

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Appropriate engineering controls No further data; see item 7.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

Ensure good ventilation/exhaustion at the workplace.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Keep ignition sources away - Do not smoke.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

Do not eat or drink while working.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Filter A2/P2

Hand protection



Protective gloves

Check the permeability prior to each renewed use of the glove.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation (EN 374).

Material of gloves

Butyl rubber, BR

Nitrile rubber, NBR

PVA gloves

Recommended thickness of the material: $\geq 0,7$ mm

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

(Contd. on page 9)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 05.11.2021

V- 3.0 (replaces version 2.1)

Revision: 20.04.2021

Trade name: 0RS125, 0RS126 Utwardzacz do Podkładu wypełniającego

(Contd. of page 8)

Penetration time of glove material

Value for the permeation: Level 6 \geq 480 min.

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye/face protection



Tightly sealed goggles

Body protection: Protective work clothing

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state	Fluid
Colour:	Colourless
Odour:	Characteristic
Odour threshold:	Not determined.
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling range	Undetermined.
Flammability	Not applicable.
Lower and upper explosion limit	
Lower:	1 Vol %
Upper:	15 Vol %
Flash point:	21 °C
Auto-ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
pH	Not applicable.
Viscosity:	
Kinematic viscosity	Not determined.
Dynamic:	Not determined.
Solubility	
water:	Reacts with water.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure at 20 °C:	98 hPa
Density and/or relative density	
Density at 20 °C:	0.92-1.01 g/cm ³
Vapour density	Not determined.

9.2 Other information

Appearance:

Form: Fluid

Important information on protection of health and environment, and on safety.

Explosive properties: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

(Contd. on page 10)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 05.11.2021

V- 3.0 (replaces version 2.1)

Revision: 20.04.2021

Trade name: 0RS125, 0RS126 Utwardzacz do Podkładu wypełniającego

(Contd. of page 9)

Change in condition	
Evaporation rate	Not determined.
Information with regard to physical hazard classes	
Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Highly flammable liquid and vapour.
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

10.1 Reactivity No decomposition if used according to specifications.

10.2 Chemical stability No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions

Reacts with water.

Reacts with alkali, amines and strong acids.

Reacts with oxidising agents.

Fumes can combine with air to form an explosive mixture.

10.4 Conditions to avoid Protect from heat and direct sunlight.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products:

Carbon monoxide and carbon dioxide

Formation of toxic gases is possible during heating or in case of fire.

* SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity Harmful if inhaled.

LD/LC50 values relevant for classification:

123-86-4 n-butyl acetate

Oral	LD50	10,760 mg/kg (rat)
Dermal	LD50	>14,000 mg/kg (rabbit)

(Contd. on page 11)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 05.11.2021

V- 3.0 (replaces version 2.1)

Revision: 20.04.2021

Trade name: 0RS125, 0RS126 Utwardzacz do Podkładu wypełniającego

(Contd. of page 10)

Inhalative	LC50/4 h	23.4 mg/l (rat)
28182-81-2 hexamethylene diisocyanate homopolymer		
Oral	LD50	>2,500 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	ATE	1.5 mg/l (dust/ mist)
53317-61-6 aromatic polyisocyanate		
Oral	LD50	>5,000 mg/kg (rat)
108-65-6 2-methoxy-1-methylethyl acetate		
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)
Inhalative	LC50/6 h	4,345 mg/l (rat)
141-78-6 ethyl acetate		
Oral	LD50	6,100 mg/kg (rat)
Dermal	LD50	>20,000 mg/kg (rabbit)
Inhalative	LC50/6 h	58 mg/l (rat)
Reaction mass of ethylbenzene and xylene		
Oral	LD50	3,523-4,000 mg/kg (rat)
Dermal	LD50	12,126 mg/kg (rabbit)
Inhalative	ATE	1.5 mg/l (dust/ mist)
4083-64-1 tosyl isocyanate		
Oral	LD50	2,330 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)
26471-62-5 toluene-diisocyanate		
Oral	LD50	5,110 mg/kg (rat)
Dermal	LD50	>9,400 mg/kg (rabbit)
Inhalative	ATE	0.005 mg/l (dust/ mist)

Primary irritant effect:**Skin corrosion/irritation** Based on available data, the classification criteria are not met.**Serious eye damage/irritation** Causes serious eye irritation.**Respiratory or skin sensitisation**

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause an allergic skin reaction.

Germ cell mutagenicity Based on available data, the classification criteria are not met.**Carcinogenicity** Based on available data, the classification criteria are not met.**Reproductive toxicity** Based on available data, the classification criteria are not met.**STOT-single exposure** May cause respiratory irritation. May cause drowsiness or dizziness.**STOT-repeated exposure** Based on available data, the classification criteria are not met.**Aspiration hazard** Based on available data, the classification criteria are not met.**11.2 Information on other hazards****Endocrine disrupting properties**

None of the ingredients is listed.

(Contd. on page 12)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 05.11.2021

V- 3.0 (replaces version 2.1)

Revision: 20.04.2021

Trade name: 0RS125, 0RS126 Utwardzacz do Podkładu wypełniającego

(Contd. of page 11)

* **SECTION 12: Ecological information**

12.1 Toxicity

Aquatic toxicity:

123-86-4 n-butyl acetate

LC50/96 h	18 mg/l (Pimephales promelas)
TT/16 h	115 mg/l (Pseudomonas putida)
EC50/48 h	44 mg/l (daphnia)
EC50/72 h	675 mg/l (algae)

53317-61-6 aromatic polyisocyanate

EC50	>10,000 mg/l (microorganisms)
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108-65-6 2-methoxy-1-methylethyl acetate

LC50/96 h	>100 mg/l (fish)
EC50/48 h	>500 mg/l (Daphnia magna)
EC20/30 min	>1,000 mg/l (microorganisms)
EC50/72 h	>1,000 mg/l (Pseudokirchnerella subcapitata)
EC50	>100 mg/l (Pseudokirchnerella subcapitata)
	>100 mg/l (Pimephales promelas)
	>100 mg/l (Daphnia magna)

141-78-6 ethyl acetate

LC50/96 h	230 mg/l (Pimephales promelas)
EC50/48 h	165 mg/l (Daphnia cucullata)
EC50/72 h	>900 mg/l (Scenedesmus subspicatus)
EC3/16 h	650 mg/l (Pseudomonas putida)

Reaction mass of ethylbenzene and xylene

EC50/72 h	4.6-4.9 mg/l (microorganisms)
EC50/73h	2.2-4.36 mg/l (algae)

4083-64-1 tosyl isocyanate

EC50/48 h	>100 mg/l (Daphnia magna)
EC50/72 h	30 mg/l (Pseudokirchnerella subcapitata)
LC50/48 h	>45 mg/l (fish)

26471-62-5 toluene-diisocyanate

LC50/96 h	133 mg/l (fish)
EC50/3 h	>100 mg/l (microorganisms)
ErC50/96 h	4,300 mg/l (Chlorella vulgaris)
EC50/48 h	12.5 mg/l (Daphnia magna)

12.2 Persistence and degradability

123-86-4 n-butyl acetate

Biodegradation	83 % (readily biodegradable) (OECD 301 D, 28 d, aerobic)
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28182-81-2 hexamethylene diisocyanate homopolymer

Biodegradation	1 % (not readily biodegradable) (OECD 301 C, 28 d, aerobic)
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(Contd. on page 13)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 05.11.2021

V- 3.0 (replaces version 2.1)

Revision: 20.04.2021

Trade name: 0RS125, 0RS126 Utwardzacz do Podkładu wypełniającego

(Contd. of page 12)

53317-61-6 aromatic polyisocyanate	
Biodegradation	34 % (not readily biodegradable)
108-65-6 2-methoxy-1-methylethyl acetate	
Biodegradation	100 % (readily biodegradable) (OECD 302 B, 8 d, aerobic)
141-78-6 ethyl acetate	
Biodegradation	93.9 % (readily biodegradable) (OECD 301 B, aerobic)
Reaction mass of ethylbenzene and xylene	
Biodegradation	87.8 % (readily biodegradable) (OECD 301 F, 28 d, aerobic)
4083-64-1 tosyl isocyanate	
Biodegradation	86 % (readily biodegradable) (OECD 301 D, 28 d, aerobic)
26471-62-5 toluene-diisocyanate	
Biodegradation	0 % (not readily biodegradable) (OECD 302 C, 28 d, aerobic)
12.3 Bioaccumulative potential	
123-86-4 n-butyl acetate	
BCF	15.3 (-)
log Pow	2.3
28182-81-2 hexamethylene diisocyanate homopolymer	
BCF	3.2 (-)
log Kow	9.81 (Kow)
108-65-6 2-methoxy-1-methylethyl acetate	
log Pow	0.56
141-78-6 ethyl acetate	
BCF	30 (-)
log Pow	0.66
12.4 Mobility in soil	
123-86-4 n-butyl acetate	
log Koc	1.27
108-65-6 2-methoxy-1-methylethyl acetate	
Koc	1.7

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects**Additional ecological information:****General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

(Contd. on page 14)

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**Safety data sheet
according to 1907/2006/EC, Article 31**

Printing date 05.11.2021

V- 3.0 (replaces version 2.1)

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Trade name: 0RS125, 0RS126 Utwardzacz do Podkładu wypełniającego

(Contd. of page 13)

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue

08 01 11* | waste paint and varnish containing organic solvents or other hazardous substances

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

*** SECTION 14: Transport information**

**14.1 UN number or ID number
ADR, IMDG, IATA**

UN1263

**14.2 UN proper shipping name
ADR
IMDG, IATA**

1263 PAINT RELATED MATERIAL
PAINT RELATED MATERIAL

**14.3 Transport hazard class(es)
ADR, IMDG, IATA**



**Class
Label**

3
3

**14.4 Packing group
ADR, IMDG, IATA**

II

**14.5 Environmental hazards:
Marine pollutant (IMDG):**

Not applicable.
No

**14.6 Special precautions for user
Hazard identification number (Kemler
code):
EMS Number:
Stowage Category**

Warning: Flammable liquids.
33
F-E, S-E
B

**14.7 Maritime transport in bulk according to
IMO instruments**

Not applicable.

Transport/Additional information:

ADR

**Limited quantities (LQ)
Transport category
Tunnel restriction code**

5L
2
D/E

(Contd. on page 15)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 05.11.2021

V- 3.0 (replaces version 2.1)

Revision: 20.04.2021

Trade name: 0RS125, 0RS126 Utwardzacz do Podkładu wypełniającego

(Contd. of page 14)

IMDG	
Limited quantities (LQ)	1L
UN "Model Regulation":	UN 1263 PAINT RELATED MATERIAL, 3, II

* **SECTION 15: Regulatory information**

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

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

Seveso category P5c FLAMMABLE LIQUIDS

Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 74

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

National regulations:

Information about limitation of use:

Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

* **SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

(Contd. on page 16)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 05.11.2021

V- 3.0 (replaces version 2.1)

Revision: 20.04.2021

Trade name: 0RS125, 0RS126 Utwardzacz do Podkładu wypełniającego

(Contd. of page 15)

- 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.
- H330 Fatal 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.
- H351 Suspected of causing cancer.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H412 Harmful to aquatic life with long lasting effects.
- EUH014 Reacts violently with water.
- EUH066 Repeated exposure may cause skin dryness or cracking.
- EUH204 Contains isocyanates. May produce an allergic reaction.

Classification according to Regulation (EC) No 1272/2008

Flammable liquids	Bridging principles
Acute toxicity - inhalation Serious eye damage/eye irritation Respiratory sensitisation Skin sensitisation Specific target organ toxicity (single exposure)	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

Version number of previous version: 2.1

Abbreviations and acronyms:

- ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- DNEL: Derived No-Effect Level (REACH)
- PNEC: Predicted No-Effect Concentration (REACH)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Flam. Liq. 2: Flammable liquids – Category 2
- Flam. Liq. 3: Flammable liquids – Category 3
- Acute Tox. 1: Acute toxicity – Category 1
- Acute Tox. 4: Acute toxicity – Category 4
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
- Resp. Sens. 1: Sensitisation - Respiratory. Hazard category 1
- Skin Sens. 1: Sensitisation - Skin. Hazard Category 1
- Carc. 2: Carcinogenicity. Hazard Category 2
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
- Asp. Tox. 1: Aspiration hazard – Category 1
- Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

Sources European Chemicals Agency, <http://echa.europa.eu/>

*** Data compared to the previous version altered.**