

SAFETY DATA SHEET



according to Regulation (EC) No 1907/2006 (REACH) as amended

NEXLER Klej do Pap i Gontów

Creation date	20th October 2022	Version	1.1
Revision date	21st April 2023		

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

1.1. Product identifier

Substance / mixture	NEXLER Klej do Pap i Gontów mixture
UFI	KP1M-50EV-S005-V8RP
Other mixture names	NEXLER Adeziv Pentru Plăci sí Sindrile Bituminoase NEXLER Adhesive for Bituminous Felt and Shingles NEXLER Kljaj Ruberoidui ir Bituminëms Čerpëms NEXLER Liim Bituumenrullmaterjali ja Sindlite Liimimiseks NEXLER Lîme Bitumena Membrănăm un Şindeljem NEXLER Ragasztó Bitumenes Fedőlemezekhez és Zsindelyekhez NEXLER Клей для Рубероида и Битумной Черепицы NEXLER Клей для Руберойду та Черепици

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

Mixture's intended use

Asphalt glue used for gluing asphalt felt papers to a concrete substrate and for gluing roofing papers with each other in multilayer waterproofing, as well as for making light-type anti-moisture and waterproofing coatings.

Main intended use

PC-ADH-2 Adhesives and sealants - building and construction works (except cement based adhesives)

Secondary uses

PC-CON-5 Construction chemicals

Mixture uses advised against

The product should not be used in ways other than those referred in Section 1.

1.3. Details of the supplier of the safety data sheet

Supplier

Name or trade name	IZOHAN sp. z o.o.
Address	Łużycka 2, Gdynia, 81-963 Poland
Identification number (CRN)	191528483
VAT Reg No	PL5862073821
Phone	+48 58 781 45 85
E-mail	info@izohan.eu
Web address	www.izohan.eu

Competent person responsible for the safety data sheet

Name	IZOHAN sp. z o.o.
E-mail	info@izohan.eu

1.4. Emergency telephone number

National Health Service (NHS) 111
National poisoning information centre Scotland, NHS 24: 111

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification of the mixture in accordance with Regulation (EC) No 1272/2008

The mixture is classified as dangerous.

Flam. Liq. 3, H226
Skin Irrit. 2, H315
Eye Irrit. 2, H319
STOT RE 2, H373

Full text of all classifications and hazard statements is given in the section 16.

Most serious adverse physico-chemical effects

Flammable liquid and vapour.

Most serious adverse effects on human health and the environment

May cause damage to organs through prolonged or repeated exposure. Causes serious eye irritation. Causes skin irritation.

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2.2. Label elements

Hazard pictogram



Signal word

Warning

Hazardous substances

reaction mass of ethylbenzene and xylene

Hazard statements

H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264 Wash hands and exposed parts of the body thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P501 Dispose of contents/container according to the instructions of the manufacturer or person authorized to dispose of waste.

Requirements for child-resistant fastenings and tactile warning of danger

Container must carry a tactile warning of danger.

2.3. Other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
EC: 905-588-0 Registration number: 01-2119488216-32	reaction mass of ethylbenzene and xylene	8-10	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Acute Tox. 4, H312+H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373	1, 2
Index: 601-021-00-3 CAS: 108-88-3 EC: 203-625-9 Registration number: 01-2119471310-51	toluene	0,8-1,1	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Repr. 2, H361d STOT RE 2, H373 (central nervous system) (inhalation) Aquatic Chronic 3, H412	1, 3

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Notes

- 1 A substance for which exposure limits are set.
- 2 Substance for which biological limit values exist.
- 3 The use of the substance is restricted by Annex XVII of REACH Regulation

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet. If unconscious, put the person in the stabilized (recovery) position on his side with his head slightly bent backwards and make sure that airways are free; never induce vomiting. If the person vomits by himself, make sure that the vomit is not inhaled. In life threatening conditions first of all provide resuscitation of the affected person and ensure medical assistance. Respiratory arrest - provide artificial respiration immediately. Cardiac arrest - provide indirect cardiac massage immediately.

If inhaled

Terminate the exposure immediately; move the affected person to fresh air. Protect the person against growing cold. Provide medical treatment if irritation, dyspnoea or other symptoms persist.

If on skin

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Soap, soap solution or shampoo should be used if there is no skin injury. Provide medical treatment if skin irritation persists. Rinse skin with water or shower.

If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes. Provide medical treatment, specialized if possible.

If swallowed

Rinse out the mouth with water and provide 2-5 dL of water. Provide medical treatment if the person has any health problems.

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

If inhaled

Not expected.

If on skin

Causes skin irritation.

If in eyes

Causes serious eye irritation.

If swallowed

Irritation, nausea.

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

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

Unsuitable extinguishing media

Water - full jet.

5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Closed containers with the product near the fire should be cooled with water. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide sufficient ventilation. Flammable liquid and vapour. Remove all ignition sources. Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Prevent contact with skin and eyes.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

6.3. Methods and material for containment and cleaning up

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Prevent formation of gases and vapours in flammable or explosive concentrations and concentrations exceeding the occupational exposure limits. The product should be used only in the areas where it is not in contact with open fire and other ignition sources. Use non-sparking tools. Use of antistatic clothes and footwear is recommended. Prevent contact with skin and eyes. No smoking. Wash hands and exposed parts of the body thoroughly after handling. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Take action to prevent static discharges.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Do not expose to sunlight. Keep container tightly closed. Keep cool.

The specific requirements or rules relating to the substance/mixture

Solvent vapours are heavier than air and accumulate especially near the floor where they may form an explosive mixture with the air.

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

United Kingdom EH40/2005 Workplace exposure limits (Fourth Edition 2020)

Substance name (component)	Type	Value	Note
Xylene, o-,m-,p- or mixed isomers	WEL 8h	220 mg/m ³	Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.
	WEL 8h	50 ppm	
	WEL 15min	441 mg/m ³	

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United Kingdom

EH40/2005 Workplace exposure limits (Fourth Edition 2020)

Substance name (component)	Type	Value	Note
Xylene, o-,m-,p- or mixed isomers	WEL 15min	100 ppm	Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.
ethylbenzene	WEL 8h	441 mg/m ³	Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.
	WEL 8h	100 ppm	
	WEL 15min	552 mg/m ³	
	WEL 15min	125 ppm	
toluene (CAS: 108-88-3)	WEL 8h	191 mg/m ³	Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.
	WEL 8h	50 ppm	
	WEL 15min	384 mg/m ³	
	WEL 15min	100 ppm	

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Biological limit values

United Kingdom

EH40/2005 Workplace exposure limits (Fourth Edition 2020)

Name	Parameter	Value	Tested material	Time of sampling
reaction mass of ethylbenzene and xylene	Methylhippuric acids	650 mmol/mol creatinine	Urine	End of shift

DNEL

reaction mass of ethylbenzene and xylene

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	442 mg/m ³	Acute effects systemic		
Workers	Inhalation	442 mg/m ³	Acute effects local		
Workers	Dermal	212 mg/kg bw/day	Chronic effects systemic		
Workers	Inhalation	221 mg/m ³	Chronic effects local		
Workers	Inhalation	221 mg/m ³	Chronic effects systemic		
Consumers	Inhalation	260 mg/m ³	Acute effects systemic		
Consumers	Inhalation	260 mg/m ³	Acute effects local		
Consumers	Dermal	125 mg/kg bw/day	Chronic effects systemic		
Consumers	Inhalation	65.3 mg/m ³	Chronic effects systemic		
Consumers	Inhalation	65.3 mg/m ³	Chronic effects local		
Consumers	Oral	12.5 mg/kg bw/day	Chronic effects systemic		

toluene

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Dermal	384 mg/kg bw/day	Chronic effects systemic		
Workers	Inhalation	192 mg/m ³	Chronic effects systemic		
Workers	Inhalation	192 mg/m ³	Chronic effects local		
Workers	Inhalation	384 mg/m ³	Acute effects systemic		
Consumers	Dermal	226 mg/kg bw/day	Chronic effects systemic		
Consumers	Inhalation	56.5 mg/m ³	Chronic effects systemic		
Consumers	Oral	8.13 mg/kg bw/day	Chronic effects systemic		
Consumers	Inhalation	226 mg/m ³	Acute effects local		
Workers	Inhalation	384 mg/m ³	Acute effects local		
Consumers	Inhalation	226 mg/m ³	Acute effects systemic		
Consumers	Inhalation	56.5 mg/m ³	Chronic effects local		

PNEC

reaction mass of ethylbenzene and xylene

Route of exposure	Value	Value determination	Source
Drinking water	0.327 mg/l		
Marine water	0.327 mg/l		
Freshwater sediment	12.46 mg/kg of food		

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reaction mass of ethylbenzene and xylene

Route of exposure	Value	Value determination	Source
Sea sediments	12.46 mg/kg of food		
Soil (agricultural)	2.31 mg/kg of dry substance of soil		
Water (intermittent release)	0.327 mg/l		
Microorganisms in sewage treatment	6.58 mg/l		

toluene

Route of exposure	Value	Value determination	Source
Drinking water	0.68 mg/l		
Marine water	0.68 mg/l		
Soil (agricultural)	2.89 mg/kg of dry substance of soil		
Freshwater sediment	16.39 mg/kg of food		
Microorganisms in sewage treatment	13.61 mg/l		
Water (intermittent release)	0.68 mg/l		
Sea sediments	16.39 mg/kg of food		

8.2. Exposure controls

Take off contaminated clothing and wash before reuse. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection

Protective goggles.

Skin protection

Hand protection: Protective gloves resistant to the product. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Observe other recommendations of the manufacturer. Other protection: protective workwear. Contaminated skin should be washed thoroughly.

Respiratory protection

Halfmask with a filter against organic vapours or a self-contained breathing apparatus as appropriate if exposure limit values of substances are exceeded or in a poorly ventilated environment.

Thermal hazard

Not available.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	black
Odour	irritating
Melting point/freezing point	<-20 °C
Boiling point or initial boiling point and boiling range	≥110 °C
Flammability	Flammable liquid and vapour.
Lower and upper explosion limit	not determined
Flash point	31-40 °C
Auto-ignition temperature	not determined
reaction mass of ethylbenzene and xylene	432-528 °C
toluene (CAS: 108-88-3)	480 °C
Decomposition temperature	not applicable

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pH non-soluble (in water)
Kinematic viscosity >20,5 mm²/s at 40 °C
Solubility in water insoluble
Solubility in other solvents dissolves in most organic solvents
Partition coefficient n-octanol/water (log value) does not apply to mixtures
Vapour pressure not determined
reaction mass of ethylbenzene and xylene 6,5-9,5 hPa at 20 °C
toluene (CAS: 108-88-3) 30,9 hPa at 21,1 °C
Density and/or relative density
Density 1,25-1,45 g/cm³ at 22 °C
Relative vapour density >1
Particle characteristics applies to solids

9.2. Other information

not available

SECTION 10: Stability and reactivity

10.1. Reactivity

The mixture is not reactive.

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Unknown.

10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

10.6. Hazardous decomposition products

Not developed under normal uses.

SECTION 11: Toxicological information

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

Inhalation of solvent vapors above values exceeding exposure limits for working environment may result in acute inhalation poisoning, depending on the level of concentration and exposure time. No toxicological data is available for the mixture.

Acute toxicity

Based on available data the classification criteria are not met.

reaction mass of ethylbenzene and xylene

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex
Oral	LD ₅₀	EU B.1	3523 mg/kg bw		Rat	M
Inhalation (vapor)	LC ₅₀	EU B.2	27124 mg/m ³	4 hours	Rat	M
Skin	LD ₅₀		12126 mg/kg bw		Rabbit	M

toluene

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex
Oral	LD ₅₀	EU B.1	5580 mg/kg bw		Rat (<i>Rattus norvegicus</i>)	M
Dermal	LD ₅₀		>5000 mg/kg bw	24 hours	Rabbit	
Inhalation (vapor)	LC ₅₀	OECD 403	>20 mg/l of air	4 hours	Rat (<i>Rattus norvegicus</i>)	F/M

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Irritation

reaction mass of ethylbenzene and xylene

Route of exposure	Result	Exposure time	Species
Inhalation	Irritating		

Skin corrosion/irritation

Causes skin irritation.

reaction mass of ethylbenzene and xylene

Route of exposure	Result	Method	Exposure time	Species
Dermal	Irritating	EU B.4	4 hours	Rabbit

toluene

Route of exposure	Result	Method	Exposure time	Species
Dermal	Irritating	EU B.4	4 hours	Rabbit

Serious eye damage/irritation

Causes serious eye irritation.

reaction mass of ethylbenzene and xylene

Route of exposure	Result	Method	Exposure time	Species
Eye	Irritating			Rabbit

toluene

Route of exposure	Result	Method	Exposure time	Species
Eye	Slightly irritating	OECD 405		Rabbit

Respiratory or skin sensitisation

Based on available data the classification criteria are not met.

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.

Toxicity for specific target organ - single exposure

Based on available data the classification criteria are not met.

Toxicity for specific target organ - repeated exposure

May cause damage to organs through prolonged or repeated exposure. Based on available data the classification criteria are not met.

Repeated dose toxicity

reaction mass of ethylbenzene and xylene

Route of exposure	Parameter	Result	Method	Value	Exposure time	Species	Sex
Oral	NOAEL	Systemic effects	EU B.32	250 mg/kg bw/day	103 weeks	Rat (Rattus norvegicus)	F/M
Inhalation (vapor)	NOAEC	Systemic effects		3515 mg/m ³	13 weeks	Dog	M

toluene

Route of exposure	Parameter	Result	Method	Value	Exposure time	Species	Sex
Oral	NOAEL	Systemic effects	EU B.26	625 mg/kg bw/day	13 weeks	Rat (Rattus norvegicus)	F/M
Inhalation (vapor)	NOAEC	Systemic effects	OECD 453	98 mg/m ³	1 year	Rat (Rattus norvegicus)	F/M
Inhalation (vapor)	LOAEC	Local effects	EU B.29	2261 mg/m ³	15 weeks	Rat (Rattus norvegicus)	F/M

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Aspiration hazard

Based on available data the classification criteria are not met.

11.2. Information on other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity

reaction mass of ethylbenzene and xylene

Parameter	Method	Value	Exposure time	Species	Environment
LC ₅₀	OECD 203	2.6 mg/l	96 hours	Fish (Oncorhynchus mykiss)	
EC ₅₀	OECD 201	2.2 mg/l	73 hours	Algae (Pseudokirchneriella subcapitata)	
EC ₅₀	OECD 209	>157 mg/l	3 hours	Aquatic microorganisms	Activated sludge
NOEC	OECD 201	0.44 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata)	
IC ₅₀		220 mg/kg of dry substance of soil	10 hours	Microorganisms	
EC ₅₀	OECD 202	1 mg/l	24 hours	Aquatic invertebrates (Daphnia magna)	

toluene

Parameter	Method	Value	Exposure time	Species	Environment
LC ₅₀		5.5 mg/l	96 hours	Fish (Oncorhynchus kisutch)	
EC ₅₀		3.78 mg/l	48 hours	Aquatic invertebrates (Ceriodaphnia dubia)	
EC ₅₀	OECD 201	134 mg/l	3 hours	Algae (Selenastrum capricornutum)	
NOEC	OECD 201	10 mg/l	72 hours	Algae (Skeletonema costatum)	
IC ₅₀		84 mg/l	24 hours	Aquatic microorganisms (Nitrosomonas)	

Chronic toxicity

reaction mass of ethylbenzene and xylene

Parameter	Method	Value	Exposure time	Species	Environment
NOEC		>1.3 mg/l	56 days	Fish (Salmo gairdneri)	
NOEC		0.96 mg/l	7 days	Aquatic invertebrates (Ceriodaphnia dubia)	
NOEC	OECD 301F	16 mg/l	28 days	Aquatic microorganisms	Activated sludge
NOEC		16 mg/kg of dry substance of soil	14 weeks	Invertebrates (Eisenia andrei)	

toluene

Parameter	Method	Value	Exposure time	Species	Environment
NOEC		1.4 mg/l	40 days	Fish (Oncorhynchus kisutch)	

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toluene

Parameter	Method	Value	Exposure time	Species	Environment
NOEC		0.74 mg/l	7 days	Aquatic invertebrates (Ceriodaphnia dubia)	

12.2. Persistence and degradability

Biodegradability

reaction mass of ethylbenzene and xylene

Parameter	Value	Exposure time	Environment	Result
				Easily biodegradable

toluene

Parameter	Value	Exposure time	Environment	Result
				Easily biodegradable

The product is partially biodegradable.

12.3. Bioaccumulative potential

reaction mass of ethylbenzene and xylene

Parameter	Value	Exposure time	Species	Environment	Temperature [°C]
BCF	25.9				
Log Pow	3.16				20°C

toluene

Parameter	Value	Exposure time	Species	Environment	Temperature [°C]
Log Pow	2.73				20°C

Bioaccumulation is not expected.

12.4. Mobility in soil

reaction mass of ethylbenzene and xylene

Parameter	Method	Value	Environment	Temperature
Log Koc	OECD 121	2.73		

toluene

Parameter	Method	Value	Environment	Temperature
Koc		205		20°C

The product is insoluble in water and does not show mobility in soil.

12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

12.6. Endocrine disrupting properties

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

12.7. Other adverse effects

Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Danger of environmental contamination, follow the applicable waste disposal regulations. Store unused product and contaminated packaging in closed containers for waste collection and hand over for disposal to a specialized company authorized to conduct such activity. Do not pour unused product into drains. It must not be disposed of together with municipal waste. Empty packaging can be used for energy in a waste incineration plant or collected in a landfill with an appropriate classification. Perfectly cleaned packaging can be recycled. The classification of waste may change depending on where it is generated.

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Waste management legislation

Producer Responsibility Obligations (Packaging Waste) Regulations 2007 (S.I. No. 871 of 2007). Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

SECTION 14: Transport information

14.1. UN number or ID number

UN 1993

14.2. UN proper shipping name

FLAMMABLE LIQUID, N.O.S. (contains: reaction mass of ethylbenzene and xylene)

14.3. Transport hazard class(es)

3 Flammable liquids

14.4. Packing group

III - substances presenting low danger

14.5. Environmental hazards

No.

14.6. Special precautions for user

Reference in the Sections 4 to 8.

14.7. Maritime transport in bulk according to IMO instruments

not relevant

Additional information

NOTE: The product packed in receptacles with a capacity of not more than 450 liters is not subject to the provisions of ADR (2.2.3.1.5).

Hazard identification No.

30

UN number

1993

Classification code

F1

Safety signs

3



Marine transport - IMDG

EmS (emergency plan)

F-E, S-E

MFAG

310

SECTION 15: Regulatory information

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

Clean Air Act 1993 as amended. The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 as amended. Public health act 1961. Environmental Protection Act 1990 as amended. Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Product contains reportable explosives precursors: Reporting of suspicious transactions, disappearances and thefts according to Regulation (EU) 2019/1148, Article 9. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

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Restrictions pursuant to Annex XVII of Regulation (EC) No. 1907/2006 (REACH), as amended

toluene

Restriction	Conditions of restriction
48	Shall not be placed on the market, or used, as a substance or in mixtures in a concentration equal to or greater than 0,1 % by weight where the substance or mixture is used in adhesives or spray paints intended for supply to the general public.

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out (mixture).

SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H373	May cause damage to the central nervous system through prolonged or repeated exposure if inhaled.
H412	Harmful to aquatic life with long lasting effects.
H312+H332	Harmful in contact with skin or if inhaled.

Guidelines for safe handling used in the safety data sheet

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash hands and exposed parts of the body thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P501	Dispose of contents/container according to the instructions of the manufacturer or person authorized to dispose of waste.

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

ADR	European agreement concerning the international carriage of dangerous goods by road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
EC	Identification code for each substance listed in EINECS
EC ₅₀	Concentration of a substance when it is affected 50% of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency plan
EU	European Union
EuPCS	European Product Categorisation System
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
IC ₅₀	Concentration causing 50% blockade
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods

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IMO	International Maritime Organization
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC ₅₀	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD ₅₀	Lethal dose of a substance in which it can be expected death of 50% of the population
LOAEC	Lowest observed adverse effect concentration
log K _{ow}	Octanol-water partition coefficient
NOAEC	No observed adverse effect concentration
NOAEL	No observed adverse effect level
NOEC	No observed effect concentration
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bioaccumulative
Acute Tox.	Acute toxicity
Aquatic Chronic	Hazardous to the aquatic environment (chronic)
Asp. Tox.	Aspiration hazard
Eye Irrit.	Eye irritation
Flam. Liq.	Flammable liquid
Repr.	Reproductive toxicity
Skin Irrit.	Skin irritation
STOT RE	Specific target organ toxicity - repeated exposure
STOT SE	Specific target organ toxicity - single exposure

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

The changes (which information has been added, deleted or modified)

This safety data sheet replaces version 1.0 dated 20.10.2022.

Updated sections: 1,2,3,4,7,8,9,11,12,14,15,16.

More information

Classification procedure - calculation method and based on tests of physicochemical properties.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.