

ISOGLUE[®]

HT 150

In accordance with Regulation (EU) 2015/830.



Section 01 Identification of the Mixture and the Company / Undertaking

1.1 Product Identifier

Product Name: ISOGLUE 255

1.2 Relevant identified uses of the mixture and uses advised against Industrial Adhesive

Uses Advised Against: Uses other than those recommended.

1.3 Details of the supplier of the Safety Data Sheet

Company: 3i International Innovative Industries S.A.

Address: Nafpliou & Daskaloyianni

City: Metamorfofi

Province: 14452 Attica - Greece

Telephone: +30 210 28 28 603

Fax: +30 210 28 19 210

E-mail: info@isopipe.gr

Website: www.isopipe.eu

1.4 Emergency telephone number

Poison Center Telephone: +30 210 77 93 777 (Available 24 hours)

Section 02 Hazards Identification

2.1 Classification of the mixture

In accordance with Regulation (EU) No 1272/2008:

Aquatic Chronic 2: Toxic to aquatic life with long lasting effects.

Eye Irrit. 2: Causes serious eye irritation.

Flam. Liq. 2: Highly flammable liquid and vapour.

Skin Irrit. 2: Causes skin irritation.

STOT SE 3: May cause drowsiness or dizziness.

2.2 Label elements

Labelling in accordance with Regulation (EU) No 1272/2008:

Pictograms:



Signal Word: Danger

H Statements:

H225: Highly flammable liquid and vapour.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

H410: Very toxic to aquatic life with long lasting effects.

Section 02 Hazards Identification (Continue)

P Statements:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233: Keep container tightly closed.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P273: Avoid release to the environment.

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

P370+P378: In case of fire: Use CO₂, chemical foam or dusty. Never use water.

P403+P235: Store in a well-ventilated place. Keep cool.

Contains:

cyclohexane

acetone, propan-2-one, propanone

butanone, ethyl methyl ketone

ethyl acetate

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

2.3 Other Hazards

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

Section 03 Composition / Information on Ingredients

3.1 Substances

Not Applicable.

3.2 Mixtures

Substances posing a danger to health or the environment in accordance with the Regulation (EC) No. 1272/2008, assigned a Community exposure limit in the workplace, and classified as PBT/vPvB or included in the Candidate List:

Identifiers	Name	Concentrate	(*)Classification - Regulation (EC) No 1272/2008	
			Classification	Specific Concentration Limit
Index No: 601-017-00-1 CAS No: 110-82-7 EC No: 203-806-2 Registration No: 01-2119463273-41-XXXX	[1] cyclohexane	25 - 50 %	Aquatic Acute 1, H400 - Aquatic Chronic 1, 410 - Asp. Tox. 1, H304 - Flam. Liq. 2, H225 - STOT SE 3, H336 - Skin Irrit. 2, H315	-
CAS No: 64742-49-0 EC No: 927-510-4 Registration No: 01-2119475515-33-XXXX	Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	10 - 20 %	Aquatic Chronic 2, H411 - Asp. Tox. 1, H304 - Flam. Liq. 2, H225 - STOT SE 3, H336 - Skin Irrit. 2, H315	-
Index No: 606-001-00-8 CAS No: 67-64-1 EC No: 200-662-2 Registration No: 01-2119471330-49-XXXX	[1] acetone, propan-2-one, propanone	10 - 20 %	Eye Irrit. 2, H319 - Flam. Liq. 2, H225 - STOT SE 3, H336	-
Index No: 606-002-00-3 CAS No: 78-93-3 EC No: 201-159-0 Registration No: 01-2119457290-43-XXXX	[1] butanone, ethyl methyl ketone	10 - 20 %	Eye Irrit. 2, H319 - Flam. Liq. 2, H225 - STOT SE 3, H336	-
Index No: 607-022-00-5 CAS No: 141-78-6 EC No: 205-500-4 Registration No: 01-2119475103-46-XXXX	[1] ethyl acetate	1 - 10 %	Eye Irrit. 2, H319 - Flam. Liq. 2, H225 - STOT SE 3, H336	-

(*) The complete text of the H phrases is given in section 16 of this Safety Data Sheet.

[1] Substance with a Community workplace exposure limit (see Section 8.1).

Section 04 First Aid Measures

Irritant Preparation: Its repeated or prolonged contact with the skin or mucous membranes can cause irritant symptoms such as red- dening of the skin, blisters, or dermatitis. Some of the symptoms may not be immediate. They can cause allergic reactions on the skin.

4.1 Description of first aid measures

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to people who are unconscious.

Inhalation:

Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration. Do not administer anything orally. If unconscious, place them in a suitable position and seek medical as- sistance.

Eye contact:

If wearing contact lenses, remove them. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eye- lids up, and seek medical assistance.

Skin contact:

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. **NEVER** use solvents or thin- ners.

Ingestion:

If accidentally ingested, seek immediate medical attention. Keep calm. **NEVER** induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Irritant Product: repeated or prolonged contact with skin or mucous membranes can cause redness, blisters or dermatitis, inha- lation of spray mist or particles in suspension may cause irritation of the respiratory tract, some symptoms may not be immediate. Can cause allergic reactions.

4.3 Indication of any immediate medical attention and special treatment needed

In case of doubt or when symptoms of feeling unwell persist, get medical attention.

Never administer anything orally to persons who are unconscious.

Section 05 Firefighting Measures

The product is highly flammable, it can cause or considerably worsen a fire, the necessary prevention measures should be taken and risks avoided. In case of fire, the following measures are recommended:

5.1 Extinguishing media

Recommended extinguishing methods:

Extinguisher powder or CO₂. In case of more severe fires, also alcohol-resistant foam and water spray. Do not use a direct stream of water to extinguish.

5.2 Special hazards arising from the mixture

Special risks:

Fire can cause thick, black smoke. As a result of thermal decomposition, dangerous products can form: carbon monoxide, car- bon dioxide. Exposure to combustion or decomposition products can be harmful to your health.

5.3 Advice for firefighters

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways.

Fire protection equipment:

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and gloves.

Section 06 Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Eliminate possible ignition points and ventilate the area. No smoking. Avoid breathing fumes.
For exposure control and individual protection measures, see Section 08.

6.2 Environmental precautions

Product dangerous for the environment, in case of large spills or if the product contaminates lakes, rivers, or sewers, inform the responsible authorities according to local legislation. Prevent the contamination of drains, surface or subterranean waters, and the ground.

6.3 Methods and material for containment and cleaning up

Pick up the spill with non-combustible absorbent materials (soil, sand, vermiculite, diatomite, etc.).

Pour the product and the absorbent in an appropriate container. The contaminated area should be immediately cleaned with an appropriate decontaminator. Pour the decontaminator on the remains in an opened container and let it act various days until no further reaction is produced.

6.4 Reference to other sections

For exposure control and individual protection measures, see Section 08.

For later elimination of waste, follow the recommendations under Section 13.

Section 07 Handling and Storage

7.1 Precautions for safe handling

The fumes are heavier than air and can spread across the ground. They can form explosive mixtures with air. Prevent the creation of flammable or explosive fume concentrations in the air; prevent fume concentrations above work exposure limits. The product must only be used in areas where all unprotected flames and other ignition points have been eliminated. Electrical equipment has to be protected according to applicable standards.

The product can be electrostatically charged: always use earth grounds when transferring the product. Operators must use anti-static footwear and clothing, and floors must be conductors.

Keep the container tightly closed and isolated from heat sources, sparks, and fire. Do not use tools that can cause sparks. For personal protection, see Section 08. Never use pressure to empty the containers. They are not pressure-resistant containers.

In the application area, smoking, eating, and drinking must be prohibited.

Follow legislation on occupational health and safety.

Keep the product in containers made of a material identical to the original.

7.2 Conditions for safe storage, including any incompatibilities

Store according to local legislation. Observe indications on the label. Store the containers between 5°C and 35°C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorized persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

The product is not affected by Directive 2012/18/EU (SEVESO III).

7.3 Specific end use(s)

Not available.

Section 08 Exposure Controls / Personal Protection

8.1 Control parameters

Work exposure limit for:

Name	Cas No.	Country	Limit Value	ppm	mg/ m ³
cyclohexane	110-82-7	European Union [1]	Eight hours	200	700
			Short term		
		United Kingdom [2]	Eight hours	100	350
			Short term	300	1050
		United States [3] (Cal/OSHA)	Eight hours	300	
			Short term		
United States [4] (NIOSH)	Eight hours	300			
	Short term				
United States [5] (OSHA)	Eight hours	300	1050		
	Short term				
acetone,propan-2-one,propanone	67-64-1	European Union [1]	Eight hours	500	1210
			Short term		
		United Kingdom [2]	Eight hours	500	1210
			Short term	1500	3620
		United States [3] (Cal/OSHA)	Eight hours	500	
			Short term	750 (Ceiling) 3000	
United States [4] (NIOSH)	Eight hours	250			
	Short term				
United States [5] (OSHA)	Eight hours	1000	2400		
	Short term				
butanone,ethyl methyl ketone	78-93-3	European Union [1]	Eight hours	200	600
			Short term	300	900
		United Kingdom [2]	Eight hours	200	600
			Short term	300	899
		United States [3] (Cal/OSHA)	Eight hours	200	
			Short term	300	
United States [4] (NIOSH)	Eight hours	200			
	Short term	300			
United States [5] (OSHA)	Eight hours	200	590		
	Short term				
ethyl acetate	141-78-6	European Union [1]	Eight hours	200	734
			Short term	400	1468
		United Kingdom [2]	Eight hours	200	
			Short term	400	
		United States [3] (Cal/OSHA)	Eight hours	400	
			Short term		
United States [4] (NIOSH)	Eight hours	400			
	Short term				
United States [5] (OSHA)	Eight hours	400	1400		
	Short term				

[1] According both Binding Occupational Exposure Limits (BOELVs) and Indicative Occupational Exposure Limits (IOELVs) adopted by Scientific Committee for Occupational Exposure Limits to Chemical Agents (SCOEL).

[2] According Limit Value (IOELV) list in 2nd Indicative Occupational Exposure adopted by Health and Safety Executive.

[3] California Division of Occupational Safety and Health (Cal/OSHA) Permissible Exposure Limits (PELs).

[4] National Institute for Occupational Safety and Health. NIOSH Recommendations for occupational safety and health, Compendium of Policy Documents and Statements, January, 1992, DHHS (NIOSH) Publication No. 92-100.

[5] Occupational Safety and Health Administration, United States Department of Labor. Permissible Exposure limits (PELs), California Division of Occupational Safety and Health (Cal/OSHA) Permissible Exposure Limits (PELs).

Section 08 Exposure Controls / Personal Protection (Continue)

The product does NOT contain substances with Biological Limit Values.

Concentration levels DNEL/DMEL:

Name	DNEL/DMEL	Type	Value
cyclohexane CAS No: 110-82-7 EC No: 203-806-2	DNEL (Workers)	Inhalation, Long-term, Local effects	700 (mg/m ³)
	DNEL (Workers)	Inhalation, Long-term, Systemic effects	700 (mg/m ³)
acetone,propan-2-one,propanone CAS No: 67-64-1 EC No: 200-662-2	DNEL (Workers)	Inhalation, Long-term, Systemic effects	1210 (mg/m ³)
	DNEL (General population)	Inhalation, Long-term, Systemic effects	200 (mg/m ³)
	DNEL (Workers)	Inhalation, Acute, Local effects	2420 (mg/m ³)
	DNEL (Workers)	Dermal, Long-term, Systemic effects	186 (mg/kg bw/day)
	DNEL (General population)	Dermal, Long-term, Systemic effects	62 (mg/kg bw/day)
	DNEL (General population)	Oral, Long-term, Systemic effects	62 (mg/kg bw/day)
butanone,ethyl methyl ketone CAS No: 78-93-3 EC No: 201-159-0	DNEL (Workers)	Inhalation, Long-term, Systemic effects	600 (mg/m ³)
	DNEL (General population)	Inhalation, Long-term, Systemic effects	106 (mg/m ³)
	DNEL (Workers)	Dermal, Long-term, Systemic effects	1161 (mg/kg bw/day)
	DNEL (General population)	Dermal, Long-term, Systemic effects	412 (mg/kg bw/day)
	DNEL (General population)	Oral, Long-term, Systemic effects	31 (mg/kg bw/day)
	DNEL (General population)	Inhalation, Long-term, Systemic effects	106 (mg/m ³)
	DNEL (General population)	Dermal, Long-term, Systemic effects	412 (mg/m ³)
ethyl acetate CAS No: 141-78-6 EC No: 205-500-4	DNEL (Workers)	Inhalation, Long-term, Systemic effects	734 (mg/m ³)
	DNEL (Workers)	Inhalation, Long-term, Local effects	734 (mg/m ³)
	DNEL (General population)	Inhalation, Long-term, Local effects	367 (mg/m ³)
	DNEL (Workers)	Inhalation, Acute, Local effects	1468 (mg/m ³)
	DNEL (General population)	Inhalation, Acute, Local effects	734 (mg/m ³)
	DNEL (Workers)	Dermal, Long-term, Systemic effects	63 (mg/kg bw/day)
	DNEL (General population)	Dermal, Long-term, Systemic effects	37 (mg/kg bw/day)

DNEL (Derived No Effect Level): level of exposure to the substance below which adverse effects are not anticipated.

DMEL (Derived Minimal Effect Level): exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.

Section 08 Exposure Controls / Personal Protection (Continue)

Concentration levels PNEC:

Name	Details	Value
acetone,propan-2-one,propanone CAS No: 67-64-1 EC No: 200-662-2	aqua (freshwater)	10,6 (mg/L)
	aqua (marine water)	1,06 (mg/L)
	aqua (intermittent releases)	21 (mg/L)
	PNEC STP	100 (mg/L)
	sediment (freshwater)	30,04 (mg/kg sediment dw)
	sediment (marine water)	3,04 (mg/kg sediment dw)
	PNEC soil	29,5 (mg/kg soil dw)
butanone,ethyl methyl ketone CAS No: 78-93-3 EC No: 201-159-0	aqua (freshwater)	55,8 (mg/L)
	aqua (marine water)	55,8 (mg/L)
	Soil	22,5 (mg/kg soil dw)
	aqua (intermittent releases)	55,8 (mg/L)
	PNEC STP	709 (mg/L)
	sediment (freshwater)	284,74 (mg/kg sediment dw)
	sediment (marine water)	284,7 (mg/kg sediment dw)
ethyl acetate CAS No: 141-78-6 EC No: 205-500-4	oral (Hazard for predators)	1000 (mg/kg food)
	aqua (freshwater)	0,24 (mg/L)
	aqua (marine water)	0,024 (mg/L)
	aqua (intermittent releases)	1,65 (mg/L)
	sediment (freshwater)	1,15 (mg/L)
	sediment (marine water)	0,115 (mg/L)
	Soil	0,148 (mg/kg soil dw)
	PNEC STP	650 (mg/L)
oral (Hazard for predators)	0,2 (g/kg food)	

PNEC (Predicted No Effect Concentration): concentration of the substance below which adverse effects are not expected in the environmental compartment.

8.2 Exposure controls

Measures of a technical nature:

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

Concentration: 100 %

Uses: INDUSTRIAL ADHESIVE

Breathing protection:

If the recommended technical measures are observed, no individual protection equipment is necessary.

Hand protection:

If the product is handled correctly, no individual protection equipment is necessary.

Eye protection:

If the product is handled correctly, no individual protection equipment is necessary.

Skin protection:

PPE: Work footwear.

Characteristics: «CE» marking, category II.

CEN standards: EN ISO 13287, EN 20347

Maintenance: This product adapts to the first user's foot shape. That is why, as well as for hygienic reasons, it should not be used by other people.

Observations: Work footwear for professional use includes protection elements aimed at protecting users against any injury resulting from an accident

Section 09 Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance: Liquid with characteristic odour and colour

Colour: N.A./N.A.

Odour: ORGANIC SOLVENT

Odour Threshold: N.A./ N.A.

pH: N.A./ N.A.

Melting Point: N.A./ N.A.

Boiling Point: 52°C

Flash Point: -13°C

Evaporation Rate: N.A./ N.A.

Inflammability (solid, gas): N.A./ N.A.

Lower Explosive Limit: N.A./ N.A.

Upper Explosive Limit: N.A./ N.A.

Vapour Pressure: 140

Vapour Density: N.A./ N.A.

Relative Density: 0.83 g/ cm³

Solubility: N.A./ N.A.

Liposolubility: N.A./ N.A.

Hydrosolubility: N.A./ N.A.

Partition Coefficient (n-octanol/water): N.A./ N.A.

Auto-ignition Temperature: N.A./ N.A.

Decomposition Temperature: N.A./ N.A.

Viscosity: N.A./ N.A.

Explosive Properties: N.A./ N.A.

Oxidizing Properties: N.A./ N.A.

N.A./N.A.: Not Available/ Not Applicable due to the nature of the product

9.2 Other information

Pour Point: N.A./N.A.

Blink: N.A./N.A.

Kinematic Viscosity: N.A./N.A.

N.A./N.A.: Not Available/Not Applicable due to the nature of the product

Section 10 Stability and Reactivity

10.1 Reactivity

The product does not present hazards by their reactivity.

10.2 Chemical Stability

Stable under the recommended handling and storage conditions (see Section 07).

10.3 Possibility of Hazardous Reactions

At high temperatures can occur pyrolysis and dehydrogenation.

10.4 Conditions to Avoid

Avoid the following conditions:

- Heating.
- High temperature.

10.5 Incompatible Materials

Avoid the following materials:

- Acids.
- Bases.
- Oxidizing agents.

10.6 Hazardous Decomposition Products

In case of fire, dangerous decomposition products can be generated, such as carbon monoxide and dioxide and nitrogen fumes and oxides.

Section 11 Toxicological Information

Irritant Mixture: Splatters in the eyes can cause irritation.

Irritant Mixture: Its repeated or prolonged contact with the skin or mucous membranes can cause irritant symptoms such as reddening of the skin, blisters, or dermatitis. Some of the symptoms may not be immediate. They can cause allergic reactions on the skin.

Irritant Mixture: The inhalation of spray mist or suspended particulates can irritate the respiratory tract. It can also cause serious respiratory difficulties, central nervous system disorders, and in extreme cases, unconsciousness.

11.1 Information on Toxicological Effects

Repeated or prolonged contact with the product can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the product through the skin.

Splatters in the eyes can cause irritation and reversible damage.

Toxicological information about the substances present in the composition.

Name	Acute Toxicity			
	Type	Test	Kind	Value
acetone,propan-2-one,propanone CAS No: 67-64-1 EC No: 200-662-2	Oral	LD50	Rat	5800 mg/kg bw [1]
		[1] Journal of Toxicology and Environmental Health. Vol. 15, Pg. 609, 1985		
	Dermal			
	Inhalation			

a. Acute Toxicity:

Not conclusive data for classification.

b. Skin Corrosion/ Irritation:

Product Classified:

Skin irritant, Category 2: Causes skin irritation.

c. Serious Eye Damage/ Irritation:

Product Classified:

Eye irritation, Category 2: Causes serious eye irritation.

d. Respiratory or Skin Sensitisation:

Not conclusive data for classification.

e. Germ Cell Mutagenicity:

Not conclusive data for classification.

f. Carcinogenicity:

Not conclusive data for classification.

g. Reproductive Toxicity:

Not conclusive data for classification.

h. STOT - Single Exposure:

Product Classified:

Specific target organ toxicity following a single exposure, Category 3.

i. STOT - Repeated Exposure:

Not conclusive data for classification.

j. Aspiration Hazard:

Not conclusive data for classification.

Section 12 Ecological Information

12.1 Toxicity

Name	Ecotoxicity			
	Type	Test	Kind	Value
acetone,propan-2-one,propanone CAS No: 67-64-1 EC No: 200-662-2	Fish	LC50	Fish	8300 mg/l (96 h) [1]
		[1] Cairns, J.Jr., and A. Scheier 1968. A Comparison of the Toxicity of Some Common Industrial Waste Components Tested Individually and Combined. Prog.Fish-Cult. 30(1):3-8		
	Aquatic Invertebrates	LC50	Crustacean	8450 mg/l (48 h) [1]
		[1] Cowgill, U.M., and D.P. Milazzo 1991. The Sensitivity of Ceriodaphnia dubia and Daphnia magna to Seven Chemicals Utilizing the Three-Brood Test. Arch.Envirion.Contam.Toxicol. 20(2):211-217. Canton, J.H., and D.M.M. Adema 1978. Reproducibility of Short-Term and Reproduction Toxicity Experiments with Daphnia magna and Comparison of the Sensitivity of Daphnia magna with Daphnia pulex and Daphnia cucullata in Short-Term Experiments. Hydrobiologia 59(2):135-140 (Used Reference 2018)		
	Aquatic Plants	EC50	Algae	7200 mg/l (96 h) [1]
		[1] Slooff, W. 1982. A Comparative Study on the Short-Term Effects of 15 Chemicals on Fresh Water Organisms of Different Tropic Levels. Natl.Tech.Inf. Serv., Springfield, VA:25 p. (DUT) (ENG ABS) (NTIS/PB83-200386)		

12.2 Persistence and Degradability

No information is available regarding the biodegradability of the substances present.

No information is available on the degradability of the substances present.No information is available about persistence and degradability of the product.

12.3 Bioaccumulative Potencial

Information about the bioaccumulation of the substances present.

Name	Bioaccumulation			
	Log Pow	BCF	NOECs	Level
butanone,ethyl methyl ketone N. CAS: 78-93-3 EC No: 201-159-0	0,29	-	-	Very low
ethyl acetate N. CAS: 141-78-6 EC No: 205-500-4	0,73	-	-	Very low

12.4 Mobility in soil

No information is available about the mobility in soil.

The product must not be allowed to go into sewers or waterways.

Prevent penetration into the ground.

12.5 Results of PBT and vPvB assessment

No information is available about the results of PBT and vPvB assessment of the product.

12.6 Other adverse effects

No information is available about other adverse effects for the environment.

Section 13 Disposal Considerations

13.1 Waste treatment methods

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local / national legislation.

Follow the provisions of Directive 2008/98/EC regarding waste management.

Section 14 Transport Information

Transport following ADR rules for road transport, RID rules for railway, ADN for inner waterways, IMDG for sea, and ICAO/IATA for air transport.

- **Land:** Transport by Road: ADR, Transport by rail: RID.
Transport Documentation: Consignment note and written instructions.
- **Sea:** Transport by Ship: IMDG.
Transport Documentation: Bill of lading.
- **Air:** Transport by Plane: ICAO/IATA.
Transport Document: Airway bill.

14.1 UN Number

UN No: UN1133

14.2 UN Proper Shipping Name

Description:

ADR: UN 1133, ADHESIVES, 3, PG II, (D/E)

IMDG: UN 1133, ADHESIVES (CYCLOHEXANE), 3, PG II (-13°C), MARINE POLLUTANT

ICAO: UN 1133, ADHESIVES, 3, PG II

14.3 Transport Hazard Class(es)

Class(es): 3

14.4 Packing Group

Packing group: II

14.5 Environmental Hazards

Marine Pollutant: Yes



Dangerous for the environment

14.6 Special Precautions for User

Labels: 3

Hazard number: 33

ADR LQ: 5 L

IMDG LQ: 5 L

ICAO LQ: 1 L



Provisions concerning carriage in bulk ADR: Not authorized carriage in bulk in accordance with ADR.

Transport by ship, FEm – Emergency sheets (F – Fire, S – Spills): F-E,S-D.

Proceed in accordance with point 6.

14.7 Transport in Bulk according to Annex II of MARPOL and the IBC Code

Not applicable.

Section 15 Regulatory Information

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

- The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

Volatile organic compound (VOC)

VOC content (p/p): 55,9 %

VOC content: 463,97 g/l

- Product classification according to Annex I of Directive 2012/18/EU (SEVESO III): N/A
- The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.
- The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles:

Designation of the Substance, of the Group of Substances or of the Mixture	Conditions of Restriction
57. Cyclohexane CAS No 110-82-7 EC No 203-806-2	<ol style="list-style-type: none"> Shall not be placed on the market for the first time after 27 June 2010, for supply to the general public, as a constituent of neoprene-based contact adhesives in concentrations equal to or greater than 0,1 % by weight in package sizes greater than 350 g. Neoprene-based contact adhesives containing cyclohexane and not conforming to paragraph 1 shall not be placed on the market for supply to the general public after 27 December 2010. Without prejudice to other Community legislation concerning the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that neoprene-based contact adhesives containing cyclohexane in concentrations equal to or greater than 0,1 % by weight that are placed on the market for supply to the general public after 27 December 2010 are visibly, legibly and indelibly marked as follows: <ul style="list-style-type: none"> <i>This product is not to be used under conditions of poor ventilation.</i> <i>This product is not to be used for carpet laying.</i>

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/ mixture by the supplier.

Section 16 Other Information

Complete text of the H phrases that appear in Section 03:

- H225:** Highly flammable liquid and vapour.
- H304:** May be fatal if swallowed and enters airways.
- H315:** Causes skin irritation.
- H319:** Causes serious eye irritation.
- H336:** May cause drowsiness or dizziness.
- H400:** Very toxic to aquatic life.
- H410:** Very toxic to aquatic life with long lasting effects.
- H411:** Toxic to aquatic life with long lasting effects.

Classification Codes:

- Aquatic Acute 1:** Acute toxicity to the aquatic environment, Category 1.
- Aquatic Chronic 1:** Chronic Effect to the Aquatic Environment, Category 1.
- Aquatic Chronic 2:** Chronic Effect to the Aquatic Environment, Category 2.
- Asp. Tox. 1:** Aspiration Toxicity, Category 1.
- Eye Irrit. 2:** Eye Irritation, Category 2.
- Flam. Liq. 2:** Flammable Liquid, Category 2.
- Skin Irrit. 2:** Skin Irritant, Category 2.
- STOT SE 3:** Specific Target Organ Toxicity following a Single Exposure, Category 3.

It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly.

Abbreviations and acronyms used:

- ADR:** European Agreement concerning the International Carriage of Dangerous Goods by Road.
- BCF:** Bioconcentration Factor.
- CEN:** European Committee for Standardization.
- DMEL:** Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.
- DNEL:** Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.
- EC50:** Half Maximal Effective Concentration.
- PPE:** Personal Protection Equipment.
- IATA:** International Air Transport Association.
- ICAO:** International Civil Aviation Organization.
- IMDG:** International Maritime Code for Dangerous Goods.
- LC50:** Lethal Concentration, 50%.
- LD50:** Lethal Dose, 50%.
- Log Pow:** Logarithm of the Partition octanol-water.
- NOEC:** No Observed Effect Concentration.
- PNEC:** Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.
- RID:** Regulations Concerning the International Transport of Dangerous Goods by Rail.

Key literature references and sources for data:

- <http://eur-lex.europa.eu/homepage.html>
- <http://echa.europa.eu/>
- Regulation (EU) 2015/830.
- Regulation (EC) No 1907/2006.
- Regulation (EU) No 1272/2008.

The information contained in this Safety Data Sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.