

SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)

StrataPrime AC

Version: 1

Revision date: 01/01/2023



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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/ UNDERTAKING.

1.1 Product identifier.

Product Name: StrataPrime AC

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

Coating

Uses advised against:

Uses other than those recommended.

1.3 Details of the supplier of the safety data sheet.

Company: **Strata Waterproofing**

Address: Unit 3, Kilwee Business Park, Upper Dunmurry Lane Dunmurry,
Belfast, BT17 0HD
United Kingdom

Telephone: 028 9030 2924

E-mail: Email: info@stratawaterproofing.com

Web: www.stratawaterproofing.com

1.4 Emergency telephone number: 028 9030 2924 (Only available during office hours)

SECTION 2: HAZARDS IDENTIFICATION.

2.1 Classification of the substance or mixture.

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

Aquatic Acute 1 : Very toxic to aquatic life.

Carc. 2 : Suspected of causing cancer

Eye Irrit. 2 : Causes serious eye irritation.

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

Resp. Sens. 1 : May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin Irrit. 2 : Causes skin irritation.

Skin Sens. 1 : May cause an allergic skin reaction.

STOT SE 3 : May cause respiratory irritation.

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.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

H351 Suspected of causing cancer

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P statements:

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection
P284 [In case of inadequate ventilation] wear respiratory protection.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor
P370+P378 In case of fire: Use anti-alcohol foam, chemical or dry powder, carbonic anhydride for extinction.

EUH statements:

- EUH204 Contains isocyanates. May produce an allergic reaction.
EUH208 Contains Reaction mass of 4,4'-methylenediphenyl diisocyanate and o-(p-isocyanatobenzyl) phenyl isocyanate.
May produce an allergic reaction.

Contains:

4-isocyanatosulphonyltoluene, tosyl isocyanate
tetraethyl silicate, ethyl silicate
4,4'-methylenediphenyl diisocyanate, diphenylmethane-4,4'-diisocyanate
o-(p-isocyanatobenzyl)phenyl isocyanate, diphenylmethane-2,4'-diisocyanate
Polymeric diphenylmethane diisocyanate
solventnaphtha 100 (Benzene content below 0,1 %)
Methyloxirane, polymer with oxirane, ether with oxybis(propanol), polymer with 1,1'-methylenebis(isocyanatobenzene),
methyloxirane and oxirane

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 3: 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: 030-001-01-9 CAS No: 7440-66-6 EC No: 231-175-3 Registration No: 01-2119467174-37-XXXX	zinc powder — zinc dust (stabilised)	25 - 50 %	Aquatic Acute 1, H400 - Aquatic Chronic 1, H410	-
CAS No: 9016-87-9	Polymeric diphenylmethane diisocyanate	1 - 10 %	Carc. 2, H351 - Eye Irrit. 2, H319 - Resp. Sens. 1, H334 - Skin Irrit. 2, H315 - STOT RE 2, H373 - STOT SE 3, H335	-
CAS No: 64742-95-6 EC No: 265-199-0	solventnaphtha 100 (Benzene content below 0,1 %)	2.5 - 10 %	Aquatic Chronic 2, H411 - Asp. Tox. 1, H304 - STOT SE 3, H335 - STOT SE 3, H336	-

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Index No: 014-005-00-0 CAS No: 78-10-4 EC No: 201-083-8 Registration No: 01-2119496195-28-XXXX	[1] tetraethylsilicate, ethylsilicate	1 - 10 %	Acute Tox. 4 *, H332 - Eye Irrit. 2, H319 - Flam. Liq. 3, H226 - STOT SE 3, H335	-
Index No: 615-005-00-9 CAS No: 101-68-8 EC No: 202-966-0 Registration No: 01-2119457014-47-XXXX	[1] 4,4'-methylenediphenyl diisocyanate, diphenylmethane-4,4'-diisocyanate	1 - 5 %	Acute Tox. 4 *, H332 - Carc. 2, H351 - Eye Irrit. 2, H319 - Resp. Sens. 1, H334 - Skin Irrit. 2, H315 - Skin Sens. 1, H317 - STOT RE 2 *, H373** - STOT SE 3, H335	Eye Irrit. 2, H319: C ≥ 5 % Skin Irrit. 2, H315: C ≥ 5 % Resp. Sens. 1, H334: C ≥ 0,1 % STOT SE 3, H335: C ≥ 5 %
CAS No: 157937-75-2	Methyloxirane, polymer with oxirane, ether with oxybis(propanol), polymer with 1,1'-methylenebis(isocyanatobenzene), methyloxirane and oxirane	1 - 10 %	Acute Tox. 4, H332 - Carc. 2, H351 - Eye Irrit. 2, H319 - Resp. Sens. 1, H334 - Skin Irrit. 2, H315 - Skin Sens. 1, H317 - STOT RE 2, H373 - STOT SE 3, H335/H336	-
Index No: 615-005-00-9 CAS No: 5873-54-1 EC No: 227-534-9 Registration No: 01-2119480143-45-XXXX	o-(p-isocyanatobenzyl)phenyl isocyanate, diphenylmethane-2,4'-diisocyanate	1 - 5 %	Acute Tox. 4 *, H332 - Carc. 2, H351 - Eye Irrit. 2, H319 - Resp. Sens. 1, H334 - Skin Irrit. 2, H315 - Skin Sens. 1, H317 - STOT RE 2 *, H373** - STOT SE 3, H335	Eye Irrit. 2, H319: C ≥ 5 % Skin Irrit. 2, H315: C ≥ 5 % Resp. Sens. 1, H334: C ≥ 0,1 % STOT SE 3, H335: C ≥ 5 %
Index No: 615-012-00-7 CAS No: 4083-64-1 EC No: 223-810-8 Registration No: 01-2119980050-47-XXXX	[1] 4-isocyanatosulphonyltoluene, tosyl isocyanate	1 - 5 %	Eye Irrit. 2, H319 - Resp. Sens. 1, H334 - Skin Irrit. 2, H315 - STOT SE 3, H335	Eye Irrit., H319: C ≥ 5 % STOT SE 3, H335: C ≥ 5 % Skin Irrit. 2, H315: C ≥ 5 %
Index No: 030-013-00-7 CAS No: 1314-13-2 EC No: 215-222-5 Registration No: 01-2119463881-32-XXXX	[1] zinc oxide	0.25 - 2.5 %	Aquatic Acute 1, H400 - Aquatic Chronic 1, H410	-
	Reaction mass of 4,4'-methylenediphenyl diisocyanate and o-(p-isocyanatobenzyl) phenyl isocyanate	0.1 - 1 %	Acute Tox. 4, H332 - Carc. 2, H351 - Eye Irrit. 2, H319 - Resp. Sens. 1, H334 - Skin Irrit. 2, H315 - Skin Sens. 1, H317 - STOT RE 2, H373 - STOT SE 3, H335/H336	-

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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	0 - 10 %	Eye Irrit. 2, H319 - Flam. Liq. 2, H225 - STOT SE 3, H336	-
CAS No: 98-59-9 EC No: 202-684-8	[1] tosyl chloride	0 - 1 %	Skin Corr. 1B, H314	-
Index No: 649-422-00-22 CAS No: 64742-47-8 EC No: 265-149-8	[1] Crude oil light distillation product	0 - 10 %	Asp. Tox. 1, H304	-
Index No: 602-033-00-1 CAS No: 108-90-7 EC No: 203-628-5 Registration No: 01-2119432722-45-XXXX	[1] chlorobenzene	0 - 2.5 %	Acute Tox. 4, H332 - Aquatic Chronic 2, H411 - Flam. Liq. 3, H226 - Skin Irrit. 2, H315	-

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

*, ** See Regulation (EC) No. 1272/2008, Annex VI, section 1.2.

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

SECTION 4: FIRST AID MEASURES.

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.

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 persons 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 assistance.

Eye contact.

Remove contact lenses, if present and if it is easy to do. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance. Don't let the person to rub the affected eye.

Skin contact.

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. NEVER use solvents or thinners.

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, inhalation of spray mist or particles in suspension may cause irritation of the respiratory tract, some symptoms may not be immediate.

Long-term chronic exposure may result in injury to certain organs or tissues.

It may cause an allergic reaction, dermatitis, redness or inflammation of the skin.

It may cause an allergic reaction in the respiratory system. Chronic exposure can lead to asthma.

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. Keep the person comfortable. Turn him/her over to the left side and stay there while waiting for medical care.

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SECTION 5: FIREFIGHTING MEASURES.

The product is Highly inflammable, 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.

Suitable extinguishing media:

Extinguisher powder or CO₂. In case of more serious fires, also alcohol-resistant foam and water spray.

Unsuitable extinguishing media:

Do not use a direct stream of water to extinguish. In the presence of electrical voltage, you cannot use water or foam as extinguishing media.

5.2 Special hazards arising from the substance or mixture.

Special risks.

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

During a fire and depending on its magnitude the following may occur:

- Flammable vapors or gases.

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. Product residues and extinguishing media may contaminate the aquatic environment. Follow the instructions given in the emergency or fire evacuation plan or plans if available.

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 boots. During extinction and depending on the magnitude and proximity to the fire, additional protective equipment such as chemical protection gloves, heat-reflecting suits or gas-tight suits may be required.

SECTION 6: 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 8.

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.

Contain and collect spillage with inert absorbent material (earth, sand, vermiculite, Kieselguhr...) and clean the area immediately with a suitable decontaminant.

Deposit waste in closed and suitable containers for disposal, in compliance with local and national regulations

6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8.

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

SECTION 7: 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.

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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 8.

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

Follow legislation on occupational health and safety.

Never use pressure to empty the containers. They are not pressure-resistant containers. 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 and 25° 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 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

8.1 Control parameters.

Work exposure limit for:

Name	CAS No.	Country	Limit value	ppm	mg/m ³
tetraethyl silicate, ethyl silicate	78-10-4	European Union [1]	Eight hours	5	44
			Short term		
		Éire [2]	Eight hours	5	44
			Short term		
		United States [3] (Cal/OSHA)	Eight hours	10	
			Short term		
		United States [4] (NIOSH)	Eight hours	10	
			Short term		
		United States [5] (OSHA)	Eight hours	100	850
			Short term		
4,4'-methylenediphenyl diisocyanate, diphenylmethane-4,4'-diisocyanate	101-68-8	Éire [2]	Eight hours	0,005	
			Short term		
		United States [3] (Cal/OSHA)	Eight hours	0.005	
			Short term		
		United States [4] (NIOSH)	Eight hours		0.05 (Ceiling) 0.2 [10-min]
			Short term		
		United States [5] (OSHA)	Eight hours	(Ceiling) 0.02	(Ceiling) 0.2
			Short term		
4-isocyanatosulphonyltoluene, tosyl isocyanate	4083-64-1	Éire [2]	Eight hours		0,02
			Short term		0,07
zinc oxide	1314-13-2	Éire [2]	Eight hours		2 (Respirable fraction)
			Short term		10
		United States [3] (Cal/OSHA)	Eight hours		10 (Total dust) 5 (Respirable fraction)
			Short term		
		United States [4] (NIOSH)	Eight hours		5 (Total dust) (Ceiling) 15 (Total dust)
			Short term		
		United States [5] (OSHA)	Eight hours		15 (Total dust) 5 (Respirable fraction)
			Short term		
ethylacetate	141-78-6	European	Eight hours	200	734

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		Union [1]	Short term	400	1468
		United Kingdom [6]	Eight hours	200	
			Short term	400	
		Éire [2]	Eight hours	200	734
			Short term	400	1468
		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				
tosylchloride	98-59-9	United Kingdom [6]	Eight hours		
			Short term		5
		Éire [2]	Eight hours		
			Short term		5
Crude oil light distillation product	64742-47-8	United Kingdom [6]	Eight hours	100	525
			Short term		
chlorobenzene	108-90-7	European Union [1]	Eight hours	5	23
			Short term	15	70
		United Kingdom [6]	Eight hours	1	4,7
			Short term	3	14
		Éire [2]	Eight hours	5	23
			Short term	15	70
		United States [3] (Cal/OSHA)	Eight hours	10	
			Short term		
		United States [5] (OSHA)	Eight hours	75	350
			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 Code of Practice for the Safety, Health and Welfare at Work (Chemicals Agents) Regulations adopted by Health and Safety Authority (HSA).

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

[4] According Compendium of Policy Documents and Statements adopted by National Institute for Occupational Safety and Health (NIOSH).

[5] According Occupational Health and Safety Standards and US Code of Federal Regulations adopted by US Occupational Safety and Health Administration (OSHA).

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

The product does NOT contain substances with Biological Limit Values.

Concentration levels DNEL/DMEL:

Name	DNEL/DMEL	Type	Value
zinc powder — zinc dust (stabilised) CAS No: 7440-66-6 EC No: 231-175-3	DNEL (Workers)	Inhalation, Long-term, Systemic effects	5 (mg/m ³)
tetraethyl silicate, ethyl silicate CAS No: 78-10-4 EC No: 201-083-8	DNEL (Workers)	Inhalation, Long-term, Local effects	85 (mg/m ³)
	DNEL (Workers)	Inhalation, Long-term, Systemic effects	85 (mg/m ³)
4,4'-methylenediphenyl diisocyanate, diphenylmethane-4,4'-diisocyanate CAS No: 101-68-8 EC No: 202-966-0	DNEL (Workers)	Inhalation, Long-term, Local effects	0,05 (mg/m ³)
	DNEL (Workers)	Inhalation, Long-term, Systemic effects	0,05 (mg/m ³)
o-(p-isocyanatobenzyl)phenyl isocyanate, diphenylmethane-2,4'-diisocyanate CAS No: 5873-54-1 EC No: 227-534-9	DNEL (Workers)	Inhalation, Long-term, Local effects	0,05 (mg/m ³)
	DNEL (Workers)	Inhalation, Long-term, Systemic effects	0,05 (mg/m ³)
zinc oxide CAS No: 1314-13-2 EC No: 215-222-5	DNEL (Workers)	Inhalation, Long-term, Systemic effects	5 (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)

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	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)
chlorobenzene CAS No: 108-90-7 EC No: 203-628-5	DNEL (Workers)	Inhalation, Long-term, Systemic effects	23 (mg/m ³)

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

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

Concentration levels PNEC:

Name	Details	Value
ethyl acetate CAS No: 141-78-6 EC No: 205-500-4	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)
	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:	Coating				
Breathing protection:					
PPE:	Filter mask for protection against gases and particles.				
Characteristics:	«CE» marking, category III. The mask must have a wide field of vision and an anatomically designed form in order to be sealed and watertight.				
CEN standards:	EN 136, EN 140, EN 405				
Maintenance:	Should not be stored in places exposed to high temperatures and damp environments before use. Special attention should be paid to the state of the inhalation and exhalation valves in the face adaptor.				
Observations:	Read carefully the manufacturer's instructions regarding the equipment's use and maintenance. Attach the necessary filters to the equipment according to the specific nature of the risk (Particles and aerosols: P1-P2-P3, Gases and vapours: A-B-E-K-AX), changing them as advised by the manufacturer.				
Filter Type needed:	A2				
Hand protection:					
PPE:	Protective gloves against chemicals.				
Characteristics:	«CE» marking, category III.				
CEN standards:	EN 374-1, En 374-2, EN 374-3, EN 420				
Maintenance:	Keep in a dry place, away from any sources of heat, and avoid exposure to sunlight as much as possible. Do not make any changes to the gloves that may alter their resistance, or apply paints, solvents or adhesives.				
Observations:	Gloves should be of the appropriate size and fit the user's hand well, not being too loose or too tight. Always use with clean, dry hands.				
Material:	PVC (polyvinyl chloride)	Breakthrough time (min.):	> 480	Material thickness (mm):	0,35
Eye protection:					

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

Skin protection:

PPE: Protective clothing.
Characteristics: «CE» marking, category II. Protective clothing should not be too tight or loose in order not to obstruct the user's movements.
CEN standards: EN 340
Maintenance: In order to guarantee uniform protection, follow the washing and maintenance instructions provided by the manufacturer.
Observations: The protective clothing should offer a level of comfort in line with the level of protection provided in terms of the hazard against which it protects, bearing in mind environmental conditions, the user's level of activity and the expected time of use.

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 9: PHYSICAL AND CHEMICAL PROPERTIES.

9.1 Information on basic physical and chemical properties.

Appearance: Liquid with characteristic odour and colour

Colour: gray

Odour: typical

Odour threshold: not determined

pH: n.a.

Melting point: not determined °C

Boiling Point: >100 °C

Flash point: >21 °C

Evaporation rate: not determined

Inflammability (solid, gas): flammable

Lower Explosive Limit: 1%

Upper Explosive Limit: 7%

Vapour pressure: not determined

Vapour density: not determined

Relative density: 2.25

Solubility: organic solvents

Liposolubility: not determined

Hydrosolubility: non soluble

Partition coefficient (n-octanol/water): not determined

Auto-ignition temperature: not determined °C

Decomposition temperature: not determined °C

Viscosity: 1000-3000

Explosive properties: not determined

Oxidizing properties: not determined

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

9.2 Other information.

Dropping point: not determined

Blink: not determined

Kinematic viscosity: not determined

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 7).

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10.3 Possibility of hazardous reactions.

The product does not present possibility of hazardous reactions.

10.4 Conditions to avoid.

Avoid any improper handling.

10.5 Incompatible materials.

Keep away from oxidising agents and from highly alkaline or acidic materials in order to prevent exothermic reactions.

10.6 Hazardous decomposition products.

No decomposition if used for the intended uses.

SECTION 11: TOXICOLOGICAL INFORMATION.

IRRITANT MIXTURE. Splashes 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.

There are no tested data available on the product.

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.

Exposure to concentrations of solvent fumes above the work exposure limit can have negative effects (for example, irritation of the mucous membranes and respiratory system, adverse effects on the kidneys, liver, and the central nervous system). Among the symptoms are headaches, vertigo, fatigue, muscular weakness, drowsiness, and in extreme cases, unconsciousness.

Based on the properties of isocyanates and taking into account existing technical data on similar products, it appears that this product may cause irritation and / or acute awareness of the respiratory system, leading to an asthmatic condition, a wheezing and chest pressure. Therefore, sensitized individuals may show asthmatic symptoms when exposed to atmospheres containing concentrations below the level of exposure. Repeated exposure can lead to chronic respiratory diseases.

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;

Product classified:

Respiratory sensitiser, Category 1: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin sensitiser, Category 1: May cause an allergic skin reaction.

e) germ cell mutagenicity;

Not conclusive data for classification.

f) carcinogenicity;

Product classified:

Carcinogen, Category 2: Suspected of causing cancer

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;

Based on available data, the classification criteria are not met.

j) aspiration hazard;

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Based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION.

12.1 Toxicity.

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

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 potential.

Information about the bioaccumulation of the substances present.

Name	Bioaccumulation			
	Log Pow	BCF	NOECs	Level
ethyl acetate CAS No: 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.

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14.1 UN number.

UN No: UN1263

14.2 UN proper shipping name.

Description:

ADR: UN 1263, PAINT, 3, PG III, (D/E)

IMDG: UN 1263, PAINT (ZINC POWDER — ZINC DUST (STABILISED)), 3, PG III (21°C), MARINE POLLUTANT

ICAO/IATA: UN 1263, PAINT, 3, PG III

14.3 Transport hazard class(es).

Class(es): 3

14.4 Packing group.

Packing group: III

14.5 Environmental hazards.

Marine pollutant: Yes



Dangerous for the environment

14.6 Special precautions for user.

Labels: 3



Hazard number: 30

ADR LQ: 5 L

IMDG LQ: 5 L

ICAO LQ: 10 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-E

Proceed in accordance with point 6.

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

The product is not transported in bulk.

SECTION 15: REGULATORY INFORMATION.

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

Product Subcategory (Directive 2004/42/EC): C - Primer (Wash primer)

Phase I* (from 01/01/2007): 780 g/l

Phase II* (from 01/01/2010): 780 g/l

(*) g/l ready to use

VOC content (p/p): 1,039 %

VOC content: 280 g/l

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The provisions of Directive 2004/42/EC on VOC apply to this product. Refer to the product label and/or technical data sheet for further information.

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
20. Organostannic compounds	<ol style="list-style-type: none">1. Shall not be placed on the market, or used, as substances or in mixtures where the substance or mixture is acting as biocide in free association paint.2. Shall not be placed on the market, or used, as substances or in mixtures where the substance or mixture acts as biocide to prevent the fouling by micro-organisms, plants or animals of:<ol style="list-style-type: none">(a) all craft irrespective of their length intended for use in marine, coastal, estuarine and inland waterways and lakes;(b) cages, floats, nets and any other appliances or equipment used for fish or shellfish farming;(c) any totally or partly submerged appliance or equipment.3. Shall not be placed on the market, or used, as substances or in mixtures where the substance or mixture is intended for use in the treatment of industrial waters.4. Tri-substituted organostannic compounds:<ol style="list-style-type: none">(a) Tri-substituted organostannic compounds such as tributyltin (TBT) compounds and triphenyltin (TPT) compounds shall not be used after 1 July 2010 in articles where the concentration in the article, or part thereof, is greater than the equivalent of 0,1 % by weight of tin.(b) Articles not complying with point (a) shall not be placed on the market after 1 July 2010, except for articles that were already in use in the Community before that date.5. Dibutyltin (DBT) compounds:<ol style="list-style-type: none">(a) Dibutyltin (DBT) compounds shall not be used after 1 January 2012 in mixtures and articles for supply to the general public where the concentration in the mixture or the article, or part thereof, is greater than the equivalent of 0,1 % by weight of tin.(b) Articles and mixtures not complying with point (a) shall not be placed on the market after 1 January 2012, except for articles that were already in use in the Community before that date.(c) By way of derogation, points (a) and (b) shall not apply until 1 January 2015 to the following articles and mixtures for supply to the general public:<ul style="list-style-type: none">- one-component and two-component room temperature vulcanisation sealants (RTV-1 and RTV-2 sealants) and adhesives,- paints and coatings containing DBT compounds as catalysts when applied on articles,- soft polyvinyl chloride (PVC) profiles whether by themselves or coextruded with hard PVC,- fabrics coated with PVC containing DBT compounds as stabilisers when intended for outdoor applications,- outdoor rainwater pipes, gutters and fittings, as well as covering material for roofing and façades,(d) By way of derogation, points (a) and (b) shall not apply to materials and articles regulated under Regulation (EC) No 1935/2004.6. Dioctyltin (DOT) compound:<ol style="list-style-type: none">(a) Dioctyltin (DOT) compounds shall not be used after 1 January 2012 in the following articles for supply to, or use by, the general public, where the concentration in the article, or part thereof, is greater than the equivalent of 0,1 % by weight of tin:<ul style="list-style-type: none">- textile articles intended to come into contact with the skin,- gloves,- footwear or part of footwear intended to come into contact with the skin,- wall and floor coverings,- childcare articles,- female hygiene products,- nappies,

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	- two-component room temperature vulcanisation moulding kits (RTV-2 moulding kits). (b) Articles not complying with point (a) shall not be placed on the market after 1 January 2012, except for articles that were already in use in the Community before that date.
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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 3:

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H335/H336	
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer
H373	May cause damage to organs through prolonged or repeated exposure
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:

Acute Tox. 4 : Acute toxicity (Inhalation), Category 4
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
Carc. 2 : Carcinogen, Category 2
Eye Irrit. 2 : Eye irritation, Category 2
Flam. Liq. 2 : Flammable liquid, Category 2
Flam. Liq. 3 : Flammable liquid, Category 3
Resp. Sens. 1 : Respiratory sensitiser, Category 1
Skin Corr. 1B : Skin Corrosive, Category 1B
Skin Irrit. 2 : Skin irritant, Category 2
Skin Sens. 1 : Skin sensitiser, Category 1
STOT RE 2 : Specific target organ toxicity following a repeated exposure, Category 2
STOT SE 3 : Specific target organ toxicity following a single exposure, Category 3

Classification and procedure used to derive the classification for mixtures according to Regulation (EC)

1272/2008 [CLP]:

Physical hazards	On basis of test data
Health hazards	Calculation method
Environmental hazards	Calculation method

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

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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 given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a 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.

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.