

SECTION 1: Identification of substance/mixture and of the company/undertaking	
1.1 Product identifier	
Product form	:Mixture Product name Ultrotherm 10kg adhesive
REACH registration No.	
1.2 Relevant identified uses of the substance or mixture and uses advised against	
1.2.1 Relevant identified uses	
Main use category	Industrial use
Use of substance/mixtures	Adhesive, binding agents
1.2.2 Uses advised against	
No additional information available	
1.3 Details of the supplier of the safety data sheet	
Ultrotherm, Birdsgrove. SK17 0DH damp.expert@btinternet.com – www.ulthrotherm.com	
1.4 Emergency telephone number	
Emergency number	0800 1691106
SECTION 2: Hazards identification	
2.1 Classification of the substance or mixture	
Classification according to Regulation (EC) No.1272/2008 [CLP]	
Not classified	
Adverse physicochemical, human health and environmental effects	
To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupation hygiene and safety practice	
2.2 Label elements	
Labelling according to Regulation (EC) No. 1272/208 [CLP]	
EUH-statements	EUH208 - Contains A MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE [EC NO 247-500-7] AND 2-METHYL-2H-ISOTHIAZOL-3-ONE [EC NO 220-239-6](55965-84-9). May produce an allergic reaction. EUH210 - Safety data sheet available on request.
2.3 Other hazards	
Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII	
The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %	
SECTION 3: Composition/information on ingredients	
3.1 Substances	
Not applicable	

3.2 Mixtures			
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
A MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE [EC NO 247-500-7] AND 2METHYL-2H-ISOTHIAZOL-3-ONE [EC NO 220-239-6]	CAS-No.: 55965-84-9 EC Index-No.: 613-167-00-5	≤ 0.001	Acute Tox. 2 (Inhalation), H330 Acute Tox. 2 (Dermal), H310 Acute Tox. 3 (Oral), H301 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)

Specific concentration limits:

Name	Product identifier	Specific concentration limits
A MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE [EC NO 247-500-7] AND 2METHYL-2H-ISOTHIAZOL-3-ONE [EC NO 220-239-6]	CAS-No.: 55965-84-9 EC Index-No.: 613-167-00-5	(0.0015 ≤ C ≤ 100) Skin Sens. 1A, H317 (0.06 ≤ C < 0.6) Skin Irrit. 2, H315 (0.06 ≤ C < 0.6) Eye Irrit. 2, H319 (0.6 ≤ C ≤ 100) Eye Dam. 1, H318 (0.6 ≤ C ≤ 100) Skin Corr. 1C, H314

SECTION 4: First aid measures

4.1 Description of first aid measure

First-aid measures after inhalation	Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	Wash skin with plenty of water.
First-aid measures after eye contact	Rinse eyes with water as a precaution.
First-aid measures after ingestion	Call a poison center or a doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation	None under normal use.
Symptoms/effects after skin contact	May cause moderate irritation.
Symptoms/effects after eye contact	May cause slight irritation.
Symptoms/effects after ingestion	Ingestion may cause nausea and vomiting.

4.3 Indications of any immediate medical attention and special treatment needed

Treat symptomatically	
-----------------------	--

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	Water spray. Dry powder. Foam. Carbon dioxide.
------------------------------	--

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	Toxic fumes may be released.
--	------------------------------

5/4/2.023 (revision date)	
---------------------------	--

5.3 Advice for firefighters

Protection during firefighting	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
--------------------------------	--


SECTION 6: Accidental release measures

6.2. Environmental precautions

Avoid release to the environment.	
-----------------------------------	--

6.3. Methods and material for containment and cleaning up

For containment	Absorb spilled material with sand or earth.
Methods for cleaning up	Take up liquid spill into absorbent material.
Other information	Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections			
For further information refer to section 13. For further information refer to section 8: "Exposure controls/personal protection".			
SECTION 7: Handling and storage			
7.1 Precautions for safe handling			
Precautions for safe handling		Ensure good ventilation of the work station. Wear personal protective equipment.	
Hygiene measures		Do not eat, drink or smoke when using this product. Always wash hands after handling the product.	
7.2. Conditions for safe storage, including any incompatibilities			
Technical measures		Comply with applicable regulations.	
Storage conditions		Store in a well-ventilated place. Keep cool.	
Incompatible products		Oxidizing agent. Strong acids.	
Storage temperature		10 – 25 °C Protect from frost	
Storage area		Store away from heat. Store in a well-ventilated place.	
Special rules on packaging		Keep only in original container. Store in a closed container.	
Packaging materials		Keep only in the original container in a cool,well-ventilated place away from combustible materials.	
7.3. Specific end use(s)			
No additional information available			
SECTION 8: Exposure controls/personal protection			
8.1 Control parameters			
8.1.1 National occupational exposure and biological limit values			
No additional information available			
8.1.2. Recommended monitoring procedures			
Monitoring methods			
Monitoring methods		Workplace exposure - General requirements for the performance of procedures for the measurement of chemical agents.	
8.1.3. Air contaminants formed			
No additional information available			
8.1.4. DNEL and PNEC			
No additional information available			
8.1.5. Control banding			
No additional information available			
8.2. Exposure controls			
8.2.1. Appropriate engineering controls			
Appropriate engineering controls: Ensure good ventilation of the work station. Ensure that there is a suitable ventilation system.			
8.2.2. Personal protection equipment			
Personal protective equipment symbol(s):			
			
8.2.2.1. Eye and face protection			
Eye protection:		Safety glasses	
Eye protection			
Type	Field of application	Characteristics	Standard
Safety glasses	Droplet	With side shields	EN 166

8.2.2.2. Skin protection					
Skin and body protection:			Wear suitable protective clothing		
Skin and body protection					
Type		Standard			
Tyvek® Gown/Coveralls		EN 1073, EN 1149			
Hand protection:			Protective gloves		
Hand protection					
Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	0.35mm	1 (< 4.0)	EN ISO 374
8.2.2.3. Respiratory protection					
Respiratory protection:			In case of insufficient ventilation, wear suitable respiratory equipment		
Respiratory protection					
Device		Filter type	Condition		Standard
Reusable half mask		Type P3	Protection for Liquid particles, Short term exposure		EN 143
8.2.2.4. Thermal hazards					
No additional information available					
8.2.3. Environmental exposure controls					
Environmental exposure controls:			Avoid release to the environment.		
SECTION 9: Physical and chemical properties					
9.1. Information on basic physical and chemical properties					
Physical state	Liquid				
Colour	White or Grey.				
Odour	Characteristic odour.				
Odour threshold	Not available				
Melting point	Not applicable				
Freezing point	Not available				
Boiling point	> 100 °C				
Flammability	Not applicable				
Explosive limits	Not available				
Lower explosion limit	Not available				
Upper explosion limit	Not available				
Flash point	Not available				
Auto-ignition temperature	Not available				
Decomposition temperature	Not available				
pH	6.5 – 8				
Viscosity, kinematic	Not available				
Viscosity, dynamic	45000 – 70000 cP @ 20°C				
Solubility	Not available				
Partition coefficient n-octanol/water (Log Kow)	Not available				
Vapour pressure	Not available				
Vapour pressure at 50°C	Not available				
Density	Not available				
Relative density	1.2 – 1.3 @ 20°C				
Relative vapour density at 20°C	Not available				
Particle characteristics	Not applicable				
9.2. Other information					
9.2.1. Information with regard to physical hazard classes					
No additional information available					
9.2.2. Other safety characteristics					
No additional information available					

SECTION 10: Stability and reactivity	
10.1. Reactivity	
The product is non-reactive under normal conditions of use, storage and transport.	
10.2. Chemical stability	
Stable under normal conditions.	
10.3. Possibility of hazardous reactions	
No dangerous reactions known under normal conditions of use.	
10.4. Condition to avoid	
None under recommended storage and handling conditions (see section 7).	
10.5 Incompatible materials	
No additional information available	
10.6 Hazardous decomposition products	
Under normal conditions of storage and use, hazardous decomposition products should not be produced.	
SECTION 11: Toxicological information	
11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008	
Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified
A MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE [EC NO 247-500-7] AND 2-METHYL-2H-ISOTHIAZOL-3-ONE [EC NO 220-239-6] (55965-84-9)	
LD50 dermal rat	> 1008 mg/kg bodyweight Animal: rat, Guideline: EPA OPP 81-2 (Acute Dermal Toxicity), Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
Skin corrosion/irritation : Not classified pH: 6.5 – 8	
A MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE [EC NO 247-500-7] AND 2-METHYL-2H-ISOTHIAZOL-3-ONE [EC NO 220-239-6] (55965-84-9)	
pH	3.43 Temp.: 20 °C Concentration: 10 g/L
Serious eye damage/irritation	Not classified pH: 6.5 – 8
A MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE [EC NO 247-500-7] AND 2-METHYL-2H-ISOTHIAZOL-3-ONE [EC NO 220-239-6] (55965-84-9)	
pH	3.43 Temp.: 20 °C Concentration: 10 g/L
Respiratory or skin sensitisation	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT-single exposure	Not classified
STOT-repeated exposure	Not classified
A MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE [EC NO 247-500-7] AND 2-METHYL-2H-ISOTHIAZOL-3-ONE [EC NO 220-239-6] (55965-84-9)	
LOAEL (dermal, rat/rabbit, 90 days)	0.525 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: EPA OPP 82-3 (Sub chronic Dermal Toxicity 90 Days)
Aspiration hazard	Not classified
11.2. Information on other hazard	
No additional information available	

SECTION 12: Ecological information				
12.1. Toxicity				
Ecology - general	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.			
Hazardous to the aquatic environment, short-term (acute)	Not classified			
Hazardous to the aquatic environment, long-term (chronic) Not rapidly degradable	Not classified			
A MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE [EC NO 247-500-7] AND 2-METHYL-2H-ISOTHIAZOL-3-ONE [EC NO 220-239-6] (55965-84-9)				
LC50 - Fish [1]	0.19 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)			
LC50 - Fish [2]	0.28 mg/l Test organisms (species): Lepomis macrochirus			
EC50 - Crustacea [1]	0.16 mg/l Test organisms (species): Daphnia magna			
NOEC (chronic)	0.1 mg/l Test organisms (species): Daphnia magna Duration: '21 d'			
NOEC chronic fish	0.098 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '28 d'			
12.2. Persistence and degradability				
AXIL 2930				
Persistence and degradability	Biodegradability in water: no data available			
12.3. Bioaccumulative potential				
AXIL 2930				
Bioaccumulative potential	No bioaccumulation data available			
12.4. Mobility in soil				
No available information available				
12.5. Results of PBT and vPvB assessment				
No available information available				
12.6. Endocrine disruptive properties				
No available information available				
12.7. Other adverse effects				
No available information available				
SECTION 13: Disposal considerations				
13.1. Waste treatment methods				
Regional legislation (waste)	Disposal must be done according to official regulations.			
Waste treatment methods	Dispose of contents/container in accordance with licensed collector's sorting instructions.			
Product/Packaging disposal recommendations	Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.			
European List of Waste (LoW) code	08 04 16 - aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15			
SECTION 14: Transport information				
In accordance with ADR / IMDG / IATA / ADN / RID				
ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available				
14.6. Special precautions for user				
Overland transport				
Not regulated				
Transport by sea				
Not regulated				
Air transport				
Not regulated				
Inland waterway transport				
Not regulated				
Rail transport				
Not regulated				
14.7. Maritime transport in bulk according to IMO instruments				
Not applicable				
SECTION 15: Regulatory information				
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture				
15.1.1. EU-Regulations				
REACH Annex XVII (Restriction List)				
Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)				
REACH Annex XIV (Authorisation List)				
Contains no substance(s) listed on REACH Annex XIV (Authorisation List)				
REACH Candidate List (SVHC)				
Contains no substance(s) listed on the REACH Candidate List				
PIC Regulation (Prior Informed Consent)				
Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals) POP Regulation (Persistent Organic Pollutants)				
Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)				
Ozone Regulation (1005/2009)				
Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)				
Explosives Precursors Regulation (2019/1148)				
Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)				
Drug Precursors Regulation (273/2004)				
Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)				
15.1.2. National regulations				
No additional information available				
15.2. Chemical safety assessment				
No chemical safety assessment has been carried out				

SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 2 (Dermal)	Acute toxicity (dermal), Category 2
Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
EUH208	Contains A MIXTURE OF: 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE [EC NO 247-500-7] AND 2-METHYL-2HISOTHIAZOL-3-ONE [EC NO 220-239-6](55965-84-9). May produce an allergic reaction.
EUH210	Safety data sheet available on request.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H301	Toxic if swallowed.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
Skin Corr. 1C	Skin corrosion/irritation, Category 1, Sub-Category 1C
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1A	Skin sensitisation, category 1A

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirement.