The safety data sheet is 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)

Section 1: Identification

Date issued	01.11.2021
Revised	13.12.2023

1.1 Product identifier

Product name	Ultimatt 05
Product range	Jünsel
Article no.	S07-27XXXX

1.2 Intended use

Function	Used for surface treatment, intended to provide safe and durable surface protection/wall covering to interior surfaces. Used as indicated by professionals/tin.

1.3 Details of supplier of this document

Company name	eicó HK Limited
Unit	2B
Building	Evergreen Industrial Mansion
Street address	12 Yip Fat Street
District	Wong Chuk Hang
City	Hong Kong
Country	Hong Kong
Phone number	+852 2677 9377
Whatsapp	+852 2677 9377
Email	info@eico.hk
Website	www.eico.hk

1.4 Emergency phone number

Department of health	+852 2961 8989

Section 2: Hazards identification

2.1 Classification

CLP classification, comments	The product is not classified as dangerous according to Regulation (EC) 1272/2008 as amended.

2.2 Label elements

Precautionary statements	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P501 Dispose of contents / container in accordance with local regulations.
Supplemental label information	EUH 208 Contains 1,2-Benzisothiazolin-3-one and reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction. EUH 211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
VOC	Product subcategory: Interior matte walls and ceilings (Gloss ≤25@60°) Relevant VOC limit values: < 1 g/l

2.3 Other hazards

PBT / vPvB	This product does not contain any substances that are considered to be PBT or vPvB at levels of 0.1% or higher.
Health hazard	The product is harmful to health.
Fire hazard	The product is not flammable.
Environmental hazard	The product is not hazardous to the environment.

Section 3: Composition & ingredient information

3.1 Mixtures

Composition type: Mixture

Substance	Identification	Classification	Contents	Notes
1,2-Benzisothiazolin-3-one	CAS No.: 2634-335 EC No.: 220-120-9 Index No.: 613-088-00-6	Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Acute 1; H400; M-factor 1	< 0,01 %	
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	CAS No.: 55965-84-9 Index No.: 613-167-00-5	Acute Tox. 2; H330 Acute Tox. 2; H310 Acute Tox. 3; H301 Skin Corr. 1C; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1; H400; M-factor 100 Aquatic Chronic 1; H410; M-factor 100	< 0,0015 %	

Section 4: First aid measures

4.1 Description of first aid measures

General	Remove victim immediately from source of exposure.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water.
Eye contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart.
Ingestion	Get medical attention if any discomfort continues.

4.2 Most important symptoms and effects, both acute and delayed

General symptoms and effects	**No known significant effects or critical hazards**

4.3 Indication of any immediate medical attention and special treatment needed

Medical treatment	Treat symptomatically. Contact a physician if large quantities are swallowed.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	Foam, carbon dioxide or dry powder
Improper extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Special hazards arising from the substance or mixture

Fire and explosion hazards	Due to package sizes available, risk of gas inhalation formed as a result of a fire is minimal
Hazardous combustion products	Carbon Dioxide (CO2). Carbon Monoxide (CO).

5.3 Advice for firefighters

Personal protective equipment	In case of inadequate ventilation wear respiratory protection.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

General measures	No action shall be taken that entails personal risk. Wear suitable protective equipment.
For emergency responders	Use personal protective equipment as required.

6.2 Environmental precautions

Environmental precautionary measures	Contain spillages with sand, earth or any suitable absorbent material. Substances not immediately harmful to environment.

6.3 Methods and material for containment and cleaning up

Containment	Store in closed container

6.4 References to other sections

Other instructions	See section 1 for emergency contact information. See section 8 for information on appropriate personal protective equipment. See section 13 for additional waste treatment information.

Section 7: Handling and storage

7.1 Special storage/handling precautions

Recommendations	None special

7.2 Precautions for safe handling and safe storage conditions

Handling	Store in closed original container at temperatures between 8°C and 28°C.
Protective safety measures	Avoid contact with skin and eyes. Have eye wash and emergency shower available.

Section 8: Exposure control personal protection

8.1 Control parameters

Control of substance parameters	None required
Exposure control	None required

8.2 Safety signs

8.3 Personal protective equipment suggestions

Eye/face protection	Use eye protection when there is a risk of splashing
Hand protection:	
Suitable material/glove type	Nitrile rubber, butyl rubber, Viton®, 4H
Unsuitable glove material	< 1 hour: polyvinyl alcohol (PVA)
Breakthrough time	> 8 hour(s)
Hand protection comments	Use gloves tested according to EN374
Skin protection	Wear suitable protective clothing if there is a risk of skin contact
Respiratory protection	In general, not necessary

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
State under standard conditions	Liquid
Colour	Generally white/off white, spec on label if required.
Odour	Odorless
Odour limit	Not relevant
pH	8-10
Melting point (range)	<0 °C
Freezing point	0 °C
Boiling point	~100 °C
Flash point	Not relevant
Evaporation rate	Not relevant
Flammability	Not known
Lower explosion limit	Not known
Upper explosion limit	Not known
Explosion limit	Not known
Vapour pressure	Not known
Vapour density	Not known
Density	2.3 g/cm^3 at 20 °C
Bulk density	Not known
Solubility	Medium: Water

Section 10: Stability and reactivity

10.1 Information concerning chemical stability and reactivity

Reactivity	Not reactive
Chemical stability	Very chemically stable
Possible hazardous reactions	Generally, none
Conditions to avoid	No specific data
Incompatible materials	Generally, none
Hazardous decomposition products	Generally, none

Section 11: Toxicological information

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

Acute toxicity of the product

Route of exposure	Value/unit	Animal species	Exp. time	Test Method/ Source
LD50 orally	> 2,000 mg/kg	--	--	ATE mix - calculated
LD50, Dermal	> 2,000 mg/kg	--	--	ATE Mix - Calculated
LC50 inhalation	> 20 g/l	--	4 h	ATE Mix - Calculated

Acute toxicity assessment
On the basis of the available data, the classification criteria cannot be considered to be met.

Corrosive/irritating to skin
The product is not skin irritant.

Serious eye damage/eye irritation
The product is not an eye irritant.
Inhalation/skin contact sensitisation
May cause allergic skin reaction.

Germ cell mutagenicity
On the basis of the available data, the classification criteria cannot be considered to be met.

Carcinogenicity
On the basis of the available data, the classification criteria cannot be considered to be met.

Reproductive toxicity
On the basis of the available data, the classification criteria cannot be considered to be met.

Specific target organ toxicity (single exposure)
On the basis of the available data, the classification criteria cannot be considered to be met.

Repeated dose toxicity and specific target organ toxicity (repeated exposure)
On the basis of the available data, the classification criteria cannot be considered to be met.

Aspiration hazard
On the basis of the available data, the classification criteria cannot be considered to be met.

11.2 Information on other hazards

Endocrine disrupting properties
The product does not contain any substances that have been assessed as endocrine disruptors according to the criteria set out in the
Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

Section 12: Ecological information

12.1 Toxicity

Substance	A mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one, CIT:MIT (3:1)
Aquatic toxicity, fish	**Type of toxicity:** Acute **Value:** 0.2 mg/l **Test duration:** 96 hours **Species:** Oncorhynchus mykiss (rainbow trout)
Substance	1,2-Benzisothiazolin-3-one
Aquatic toxicity, fish	**Type of toxicity:** Acute **Value:** 2.18 mg/l **Effect dose concentration:** LC50 **Test duration:** 96 hours **Species:** Oncorhynchus mykiss (rainbow trout) **Method:** OECD Test guideline 203
Substance	A mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one, CIT:MIT (3:1)
Aquatic toxicity, algae	**Type of toxicity:** Acute **Value:** 0.048 mg/l **Effect dose concentration:** LC50 **Test duration:** 72 hours **Species:** Pseudokirchneriella subcapitata
Substance	1,2-Benzisothiazolin-3-one
Aquatic toxicity, algae	**Type of toxicity:** Acute **Value:** 2.18 mg/l **Effect dose concentration:** LC50 **Test duration:** 48 hours **Species:** Pseudokirchneriella subcapitata **Method:** OECD Test guideline 201 **Comments:** M-factor = 1
Substance	A mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one, CIT:MIT (3:1)
Aquatic toxicity, crustacean	**Type of toxicity:** Acute **Value:** 0.1 mg/l **Effect dose concentration:** EC50 **Test duration:** 48 hours **Method:** OECD Test guideline 202
Substance	1,2-Benzisothiazolin-3-one
Aquatic toxicity, crustacean	**Type of toxicity:** Acute **Value:** 2.94 mg/l **Effect dose concentration:** EC50 **Test duration:** 48 hours **Method:** OECD Test guideline 202

12.2 Acute toxicity

Acute aquatic toxicity of 1,2-benzisothiazole-3(2H)-one (BIT)

Test	Value/unit (mg/l)	Test Method/Source	Exp. time (h)	Species
Fish, LC50	2,15	OECD TG 203	96 h	Oncorhynchus mykiss
Crustaceans, EC50	2,94	OECD TG 202	48 h	Daphnia magna
Crustaceans, NOEC - chronic	1,2	OECD TG 211	21 d	Daphnia magna
Algae, EC50	0,11	OECD TG 201	72	Pseudokirchneriella subcapitata

Ecotoxicity
low acute toxicity to aquatic organisms;

12.3 Persistence and degradability

Subject	Result
1,2-benzisothiazol-3(2H)-one (BIT)	Biodegradable according to OECD 301C. 62% decomposes in 4 days.

The product is not readily biodegradable.

12.4 Bioaccumulation

Subject	Result
1,2-benzisothiazol-3(2H)-one (BIT)	BCF = 6.62. Log Pow = 0.63. Is not bioaccumulative.

The product is not bioaccumulative.

12.4 Mobility in Soil
The product is miscible with water. The product is expected to be mobile in the ground profile.

12.5. Results of the PBT and vPvB assessment
Not classified as PBT/vPvB by current EU criteria.

12.6. Endocrine disrupting properties
The product does not contain any substances that have been assessed as endocrine disruptors according to the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

12.7 Other adverse effects
No further relevant information is available.

Section 13: Disposal conisiderations

13.1 Waste treatment methods

EWL packing	EWC waste code: 080112 waste paint and varnish other than those mentioned in 08 01 11 Classified as hazardous waste: Yes
Other information	08 01 12 other paint and varnish waste than mentioned in 08 01 11. If this product is mixed with other waste, this classification may no longer apply. You can get more information from your local waste authorities. Do not empty into drains or watercourses.

Section 14: Transport information

14.1 Transport safety

General transport danger	None, goods are not dangerous
Transport hazard class	None
Packing group	
Environmental hazards	None significant
Special precautions for user	None required
Maritime transport bulk according to IMO instruments	Not known

Section 15: Regulatory information

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

Assessed restrictions	**Substances of Very High Concern (SVHC) according to REACH, Article 57:** None. **Regulation (EU) No. 1907/2006, Annex XVII - restrictions**: None.
National regulations	AFS 2018:1 – Occupational exposure limits. SFS 2020:614 - Waste Ordinance.
Legislation and regulations	The safety data sheet is prepared in accordance with Annex II of the REACH Regulation (EU) No 1907/2006. Classification and labelling according to Regulation (EC) No 1272/2008 with their respective legislative amendments. 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, Authorization and Restriction of Chemicals (REACH.
Duty to declare	Not subject to declaration in accordance with CLP regulations

15.2 Chemical safety assessment

Chemical safety assessment required	No
Chemical safety assessment performed	No
Exposure scenarios for mixture	No

Section 16: Other information

16.1 General notes and definitions

Supplier's notes	The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user. The procedure for deriving classification according to Regulation (EC) No. 1272/2008 [CLP / GHS] is done according to a calculation method, and on the basis of data provided by raw material suppliers and GHS.
List of relevant H-phrases (section 2-3)	H301 Toxic if swallowed. H302 Harmful if swallowed. H311 Toxic 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. H331 Toxic if inhaled. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects.
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