

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 31/01/2023 Revision date: 31/01/2023 Version: 1.0

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

1.1. Product identifier			
Product form Product name UFI Product code Product group	 Mixture HG terra cotta cleaner extra strong D5TA-PJWW-J009-RSNJ 194 ART Trade product 		
1.2. Relevant identified uses of the	substance or mixture and uses advised against		
 1.2.1. Relevant identified uses Intended for general public Main use category 1.2.2. Uses advised against Restrictions on use 	: Consumer use : All other uses not recommended above		
1.3. Details of the supplier of the sa	fety data sheet		
Manufacturer HG International B.V. P.J. Oudweg 41 NL– 1314 CJ Almere The Netherlands T +31 (0)36 54 94 700 safety@hg.eu - www.hg.eu	Importer HG UKI LTD Weston Business Centre Parsonage Road UK– CM22 6PU Takeley – Essex United Kingdom T +44 (0) 1206 822 744 www.hg.eu		
1.4. Emergency telephone number			

Emergency number

: +31 (0)36 54 94 777 Only for medical personnel Mon-Fri 09:00 AM - 05:00 PM (CEST)

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH	0344 892 0111	Only for healthcare professionals
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER	+44 20 7188 7188	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Serious eye damage/eye irritation, Category 1 Full text of H- and EUH-statements: see section 16 H318

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 occupational hygiene and safety practice.

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2.2. Label elements	
Labelling according to Regulation (EC)	No. 1272/2008 [CLP]
Precautionary statements (CLP)	 P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children.
EUH-statements	: EUH208 - Contains 2-methylisothiazol-3(2H)-one (2682-20-4) (00180). May produce an allergic reaction.

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 substances 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	Conc. (% w/w)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Butoxydiglycol substance with a Community workplace exposure limit	CAS-No.: 112-34-5 EC-No.: 203-961-6 EC Index-No.: 603-096-00-8 REACH-no: 01-2119475104- 44	≥5-<7	Eye Irrit. 2, H319
Alcohols, C9-11, branched and linear, ethoxylated (>5-10 EO)	CAS-No.: 160901-09-7 EC-No.: 500-446-0	≥2-<5	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319
2-methylisothiazol-3(2H)-one	CAS-No.: 2682-20-4 EC-No.: 220-239-6 EC Index-No.: 613-326-00-9 REACH-no: 01-2120764690- 50	≥ 0.001 – < 0.01	Acute Tox. 3 (Oral), H301 Acute Tox. 2 (Dermal), H310 Acute Tox. 2 (Inhalation), H330 Acute Tox. 2 (Inhalation:dust,mist), H330 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410

Specific concentration limits:			
Name	Product identifier	Specific concentration limits	
2-methylisothiazol-3(2H)-one	CAS-No.: 2682-20-4 EC-No.: 220-239-6 EC Index-No.: 613-326-00-9 REACH-no: 01-2120764690- 50	(0.0015 ≤C ≤ 100) Skin Sens. 1A, H317	

Full text of H- and EUH-statements: see section 16

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SECTION 4: First aid measures			
4.1. Description of first aid measures			
First-aid measures after inhalation First-aid measures after skin contact First-aid measures after eye contact First-aid measures after ingestion	 Remove person to fresh air and keep comfortable for breathing. Wash skin with plenty of water. Rinse eyes with water as a precaution. Call a poison center or a doctor if you feel unwell. 		
4.2. Most important symptoms and effects	s, both acute and delayed		
No additional information available			
4.3. Indication of any immediate medical a	ttention and special treatment needed		
Treat symptomatically.			
SECTION 5: Firefighting measures			
5.1. Extinguishing media			
Suitable extinguishing media Unsuitable extinguishing media	Water spray. Dry powder. Foam. Carbon dioxide.Do not use a heavy water stream.		
5.2. Special hazards arising from the substance or mixture			
Hazardous decomposition products in case of fire	: Toxic fumes may be released.		
5.3. Advice for firefighters			
Protection during firefighting	. Do not attempt to take action without suitable protective equipment. Self contained		

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				
6.1. Personal precautions, protective equi	ipment and emergency procedures			
6.1.1. For non-emergency personnel Emergency procedures	: Ventilate spillage area.			
6.1.2. For emergency responders Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".			
6.2. Environmental precautions				
Avoid release to the environment.				
6.3. Methods and material for containmen	t and cleaning up			
Methods for cleaning up Other information	Take up liquid spill into absorbent material. Stop leak if safe to do so.Dispose of materials or solid residues at an authorized site.			
6.4. Reference to other sections				

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling Hygiene measures	 Ensure good ventilation of the work station. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse.

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7.2. Conditions for safe storage, including any incompatibilities		
Storage conditions Storage temperature	 Protect from freezing. Store in a well-ventilated place. Keep cool. 0 – 35 °C 	

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

Butoxydiglycol (112-34-5)		
EU - Indicative Occupational Exposure Limit (IOEL)		
Local name 2-(2-Butoxyethoxy)ethanol		
IOEL TWA	67.5 mg/m³	
IOEL TWA [ppm]	10 ppm	
IOEL STEL	101.2 mg/m³	
IOEL STEL [ppm]	15 ppm	
Regulatory reference COMMISSION DIRECTIVE 2006/15/EC		
United Kingdom - Occupational Exposure Limits		
Local name 2-(2-Butoxyethoxy)ethanol		
WEL TWA (OEL TWA) [1]	67.5 mg/m³	
WEL TWA (OEL TWA) [2]	10 ppm	
WEL STEL (OEL STEL)	101.2 mg/m ³	
WEL STEL (OEL STEL) [ppm]	15 ppm	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	

8.1.2. Recommended monitoring procedures

No additional information available

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.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



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8.2.2.1. Eye and face protection

Eye protection:

Safety glasses with side shields. Safety glasses

Eye protection			
Туре	Field of application	Characteristics	Standard
Safety glasses with side shields	Normal use conditions		EN 166

8.2.2.2. Skin protection

Skin and body protection:

Long sleeved protective clothing

Skin and body protection		
Туре	Standard	
Chemical resistant safety shoes	EN ISO 20345	
Long sleeved protective clothing		

Hand protection:

In case of repeated or prolonged contact wear gloves

Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	0,35		EN ISO 374
Disposable gloves	Butyl rubber	6 (> 480 minutes)	0,5		EN ISO 374

8.2.2.3. Respiratory protection

Respiratory protection:

No respiratory protection needed under normal use conditions

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
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Colour	: white.
Odour	: odourless.
Odour threshold	: Not available
Melting point	: Not applicable
Freezing point	: 0 °C
Boiling point	: >100 °C
Flammability	: Non flammable.
Explosive limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: > 100 °C
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
рН	: 8.9

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Viscosity, kinematic Solubility	: Not available : 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	: 1.025
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. Conditions 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 (dermal)	Not classified Not classified Not classified
Alcohols, C9-11, branched and linear, ethoxyl	ated (>5-10 EO) (160901-09-7)
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 Inhalation - Rat	> 1.6 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Remarks on results: other:
Butoxydiglycol (112-34-5)	
LD50 oral rat	5660 mg/kg
LD50 oral	5660 mg/kg bodyweight

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Butoxydiglycol (112-34-5)					
LD50 dermal rabbit	2764 mg//g bodyweight Animaly rabbit Animal any male Cycidalines OFCD Cycidaline 402				
	2764 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), 95% CL: 2090 - 3645				
LD50 dermal	2764 mg/kg bodyweight				
LC50 Inhalation - Rat (Dust/Mist)	> 196 mg/l				
2-methylisothiazol-3(2H)-one (2682-20-4)					
LD50 oral rat	66 – 105 mg/kg				
LD50 dermal rabbit	200 mg/kg				
LC50 Inhalation - Rat (Dust/Mist)	0.33 mg/l				
Skin corrosion/irritation :	Not classified				
	pH: 8.9				
Alcohols, C9-11, branched and linear, ethoxy					
pH	5 – 7 In aqueous medium : Concentration (%) = 1				
2-methylisothiazol-3(2H)-one (2682-20-4)					
рН	2.58 Temp.: 25 °C Concentration: 50 g/L				
Serious eye damage/irritation :	Causes serious eye damage. pH: 8.9				
Alcohols, C9-11, branched and linear, ethoxy					
pH	5 – 7 In aqueous medium : Concentration (%) = 1				
2-methylisothiazol-3(2H)-one (2682-20-4)					
рН	2.58 Temp.: 25 °C Concentration: 50 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				
Alcohols, C9-11, branched and linear, ethoxy	lated (>5-10 EO) (160901-09-7)				
NOAEL (oral, rat, 90 days)	≥ 500 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90- Day Oral Toxicity Study in Rodents)				
Butoxydiglycol (112-34-5)					
NOAEL (oral, rat, 90 days)	250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90- Day Oral Toxicity Study in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents)				
2-methylisothiazol-3(2H)-one (2682-20-4)					
LOAEL (oral, rat, 90 days)	71.2 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28- Day Oral Toxicity Study in Rodents), Guideline: other:				
Aspiration hazard :	Not classified				
Butoxydiglycol (112-34-5)					
Viscosity, kinematic	≈ 6.794 mm²/s				
11.2. Information on other hazards					

No additional information available

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SECTION 12: Ecological information					
12.1. Toxicity					
Hazardous to the aquatic environment, short-term : (acute)	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. Not classified				
Hazardous to the aquatic environment, long-term : (chronic)	Not classified				
Alcohols, C9-11, branched and linear, ethoxy	lated (>5-10 EO) (160901-09-7)				
LC50 - Fish [1]	5 – 7 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)				
EC50 - Crustacea [1]	2.5 mg/l Test organisms (species): Daphnia magna				
EC50 96h - Algae [1]	1.4 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)				
Butoxydiglycol (112-34-5)					
LC50 - Fish [1]	1300 mg/l				
EC50 - Crustacea [1]	> 100 mg/l Test organisms (species): Daphnia magna				
EC50 - Other aquatic organisms [1]	> 1000 mg/l waterflea				
EC50 - Other aquatic organisms [2]	> 100 mg/l				
EC50 96h - Algae [1]	> 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)				
2-methylisothiazol-3(2H)-one (2682-20-4)	2-methylisothiazol-3(2H)-one (2682-20-4)				
LC50 - Fish [1]	4.77 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)				
EC50 - Crustacea [1]	1.6 mg/l Test organisms (species): Daphnia magna				
12.2. Persistence and degradability					
HG terra cotta cleaner extra strong					
Persistence and degradability	The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.				
12.3. Bioaccumulative potential					
Butoxydiglycol (112-34-5)					
Partition coefficient n-octanol/water (Log Pow)	0.56				
2-methylisothiazol-3(2H)-one (2682-20-4)					
Partition coefficient n-octanol/water (Log Pow)	-0.49				
12.4. Mobility in soil					
No additional information available					
12.5. Results of PBT and vPvB assessment					
No additional information available					

No additional information available

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12.6. Endocrine disrupting properties		
No additional information available		
12.7. Other adverse effects		
No additional information available		

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)

: Disposal must be done according to official regulations.

SECTION 14: Transport information

ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number or ID n	umber	· · · · ·	1	
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shippin	g 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 haz	zards		·	
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

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

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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

Abbreviations and acronyms:		
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ATE	Acute Toxicity Estimate	
BCF	Bioconcentration factor	
BLV	Biological limit value	
BOD	Biochemical oxygen demand (BOD)	
COD	Chemical oxygen demand (COD)	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC-No.	European Community number	
EC50	Median effective concentration	
EN	European Standard	
IARC	International Agency for Research on Cancer	
ΙΑΤΑ	International Air Transport Association	

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Abbreviations and acronyms:		
IMDG	International Maritime Dangerous Goods	
LC50	Median lethal concentration	
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
OECD	Organisation for Economic Co-operation and Development	
OEL	Occupational Exposure Limit	
РВТ	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
STP	Sewage treatment plant	
ThOD	Theoretical oxygen demand (ThOD)	
TLM	Median Tolerance Limit	
VOC	Volatile Organic Compounds	
CAS-No.	Chemical Abstract Service number	
N.O.S.	Not Otherwise Specified	
vРvВ	Very Persistent and Very Bioaccumulative	
ED	Endocrine disrupting properties	

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. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2	
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
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 2-methylisothiazol-3(2H)-one (2682-20-4) (00180). May produce an allergic reaction.	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
H301	Toxic if swallowed.	
H302	Harmful if swallowed.	
H310	Fatal in contact with skin.	
H314	Causes severe skin burns and eye damage.	
H317	May cause an allergic skin reaction.	

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Full text of H- and EUH-statements:	
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. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Sens. 1A	Skin sensitisation, category 1A

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.