

Safety Data Sheet

according to UK REACH / Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830
Issue date: 14/03/2022 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product form : Mixture
Product name : Micro Correct
Product code : ZL31-WE
Type of product : Liquid

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 : Consumer use
Use of the substance/mixture : Paper Correction Purposes

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Pentel (Stationery) Limited Ltd
Hunts Rise South Marston Park
SN3 4TW Swindon – Wiltshire
United Kingdom
T 01793 823 333
salesoffice@pentel.co.uk - <https://www.pentel.co.uk/>

1.4. Emergency telephone number

Emergency number : 01793 823 333 (Monday – Friday 09.00 - 17.00)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP/GB CLP]**

Flammable liquids, Category 2	H225
Skin corrosion/irritation, Category 2	H315
Specific target organ toxicity — Single exposure, Category 3, Narcosis	H336
Hazardous to the aquatic environment — Chronic Hazard, Category 3	H412

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

Adverse physicochemical, human health and environmental effects

No additional information available

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2.2. Label elements

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

Hazard pictograms (CLP) :



GHS02

GHS07

Signal word (CLP) :

Danger

Hazard statements (CLP) :

H225 - Highly flammable liquid and vapour.

H315 - Causes skin irritation.

H336 - May cause drowsiness or dizziness.

H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) :

P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

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

P271 - Use only outdoors or in a well-ventilated area.

P273 - Avoid release to the environment.

P370+P378 - In case of fire: Use alcohol resistant foam, extinguishing powder, carbon dioxide (CO₂) to extinguish.

P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

P405 - Store locked up.

P501 - Dispose of contents and container to comply with applicable local, national and international regulation..

2.3. Other hazards

Not determined

Not determined

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

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/ GB CLP]
cyclopentane	CAS-No.: 287-92-3 EC-No.: 206-016-6 EC Index-No.: 601-030-00-2	10 – 25	Flam. Liq. 2, H225 Aquatic Chronic 3, H412
methylcyclohexane	CAS-No.: 108-87-2 EC-No.: 203-624-3 EC Index-No.: 601-018-00-7	10 – 25	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP/ GB CLP]
			Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Titanium dioxide	CAS-No : 13463-67-7 EC No. : 236-675-5 DUIN No: UK-20-3566237810-4-0000 DUIN no: UK-20-1048054765-1-0000	25 – 50	--
Silicon dioxide, chemically prepared	CAS-No: 7631-86-9 EC No : 231-545-4	<2.5	--

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

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : In case of doubt or persistent symptoms, always consult a physician. Take off contaminated clothing and wash before reuse.
- First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Allow victim to breathe fresh air.
- First-aid measures after skin contact : After contact with skin, wash immediately and thoroughly with water and soap. Do not use solvents or thinners.
- First-aid measures after eye contact : In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Get medical advice/attention.
- First-aid measures after ingestion : Do not induce vomiting. Call a physician immediately. Never give anything by mouth to an unconscious person.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/effects : No data available.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Alcohol resistant foam. Extinguishing powder. Carbon dioxide. Water spray jet.
- Unsuitable extinguishing media : High volume water jet.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : In the event of fire, may decompose : On combustion, forms: carbon oxides (CO and CO₂).
- Explosion hazard : No data available.
- Reactivity in case of fire : No data available.

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Hazardous decomposition products in case of fire : Carbon oxides (CO, CO₂).

5.3. Advice for firefighters

Precautionary measures fire : Use self-contained breathing apparatus and chemically protective clothing. Wear protective clothing. Cool closed containers exposed to fire with water spray.
Firefighting instructions : Water mist may be used to disperse vapours.
Protective equipment for firefighters : Use self-contained breathing apparatus and chemically protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : For further information refer to section 8: "Exposure controls/personal protection". Ensure adequate ventilation. No flames, no sparks. Eliminate all sources of ignition. Avoid all eye and skin contact and do not breathe vapour and mist.
Emergency procedures : See section 8 of the SDS for more information on personal protective equipment.
Measures in case of dust release : Not applicable.

6.1.2. For emergency responders

Protective equipment : Avoid contact with skin and eyes. Concerning personal protective equipment to use, see section 8.

6.2. Environmental precautions

Do not discharge into surface water. Do not discharge into drains or the environment.

6.3. Methods and material for containment and cleaning up

For containment : Take up liquid spill into absorbent material, e.g.: powdered limestone or sand, earth, vermiculite. Transfer collected product and other contaminated materials to suitable containers for recovery or safe disposal.
Methods for cleaning up : Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

6.4. Reference to other sections

No available data.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Local ventilation at the workplace is recommended. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Ensure that direct skin contact is avoided. May form an explosive mixture in the presence of air. Eliminate ignition sources. Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Hygiene measures : Do not eat, drink or smoke in areas where product is used. Keep away from food, drink and animal feeding stuffs. Take off contaminated clothing and wash it before reuse. Avoid contact with skin and eyes. Do not inhale vapour. Wash skin with plenty of water and soap.

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7.2. Conditions for safe storage, including any incompatibilities

Technical measures	:	Keep container tightly closed in a cool, well-ventilated place. Protect from heat and direct sunlight.
Storage conditions	:	Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep only in the original container in a cool, well ventilated place away from heat. Keep container closed when not in use.
Heat and ignition sources	:	Keep away from open flames, hot surfaces and sources of ignition.
Storage area	:	Containers which are opened should be properly resealed and kept upright to prevent leakage. Do not store at elevated temperatures. Ensure adequate ventilation of the storage area. Keep/Store only in original container.

7.3. Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

United Kingdom - Occupational Exposure Limits	
Local name	Titanium dioxide
WEL TWA (OEL TWA) [1]	4 mg/m ³ respirable 10 mg/m ³ total inhalable
WEL STEL (OEL STEL)	10 mg/m ³ Total inhalable dust
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
Local name	Silicon dioxide
WEL TWA (OEL TWA) [1]	6 mg/m ³ (inhalable dust) 2.4 mg/m ³ (respirable dust)
WEL STEL (OEL STEL)	18 mg/m ³ (calculated-inhalable dust) 7.2 mg/m ³ (calculated-respirable dust)
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

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8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Local ventilation at the workplace is recommended.

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

Eye protection:

Eye glasses with side protection. Use eye protection according to EN 166.

8.2.2.2. Skin protection

Skin and body protection:

Avoid contact with skin. Tested protective gloves must be worn. Chemical resistant gloves (according to European standard NF EN 374 or equivalent). Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

8.2.2.3. Respiratory protection

Respiratory protection:

In case of inadequate ventilation wear respiratory protection. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

8.2.2.4. Thermal hazards

Thermal hazard protection:

Wear personal protective equipment.

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

Consumer exposure controls:

Ensure adequate ventilation. Wear protective gloves. When using do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: White.
Appearance	: White.
Odour	: Solvent like.
Odour threshold	: No data available No data available
Melting point	: No data available
Freezing point	: Not available
Boiling point	: >49 °C
Flammability	: Not available
Explosive properties	: No data available.
Oxidising properties	: No data available.
Explosive limits	: Not available
Lower explosion limit	: Not available

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Upper explosion limit	:	Not available
Flash point	:	-36.5°C
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
SADT	:	No data available
pH	:	No data available
pH solution	:	No data available
Viscosity, kinematic	:	44 mm ² /s
Viscosity, dynamic	:	57 mPa.s @ 20°C
Solubility	:	No data available. Water: No data available
Partition coefficient n-octanol/water (Log Kow)	:	Not available
Vapour pressure	:	No data available
Vapour pressure at 50 °C	:	Not available
Density	:	1.29 g/m ³ @ 20°C
Relative density	:	Not available
Relative vapour density at 20 °C	:	No data available
Particle characteristics	:	Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Sensitivity to shock	:	UN Gap Test: No data available
Tci	:	Not applicable

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

No data available.

10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid

Protect material from direct sunlight.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

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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

cyclopentane (287-92-3)	
LC50 Inhalation - Rat	> 25.3 mg/l/4h

methylcyclohexane (108-87-2)	
LD50 oral rat	> 3200 mg/kg
LD50 dermal rabbit	> 86700 mg/kg

Skin corrosion/irritation : Causes skin irritation.
pH: No data available
Serious eye damage/irritation : Not classified
pH: No data available
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : May cause drowsiness or dizziness.

methylcyclohexane (108-87-2)	
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified

methylcyclohexane (108-87-2)	
LOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
LOAEC (inhalation, rat, vapour, 90 days)	8 mg/l air Animal: rat, Animal sex: male
NOAEL (oral, rat, 90 days)	250 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

Aspiration hazard : Not classified

Micro Correct	
Viscosity, kinematic	44 mm ² /s

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No additional information available

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11.2.2. Other information

Potential Adverse human health effects and symptoms : Inhalation may affect the nervous system causing headache, possibly dizziness, nausea, weakness, loss of coordination and unconsciousness

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : No data available on the product (mixture).
Hazardous to the aquatic environment, short-term (acute) : Not classified
Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.

methylcyclohexane (108-87-2)	
LC50 - Fish [1]	2.07 mg/l (Exposure time: 96 h - Species: <i>Oryzias latipes</i> [semi-static])
EC50 - Crustacea [1]	0.326 mg/l Test organisms (species): <i>Daphnia magna</i>
EC50 72h - Algae [1]	0.134 mg/l Test organisms (species): <i>Pseudokirchneriella subcapitata</i> (previous names: <i>Raphidocelis subcapitata</i> , <i>Selenastrum capricornutum</i>)

12.2. Persistence and degradability

Micro Correct

Persistence and degradability : No data available.

12.3. Bioaccumulative potential

Micro Correct

Bioaccumulative potential : No data available.

12.4. Mobility in soil

Micro Correct

Ecology - soil : No data available.

12.5. Results of PBT and vPvB assessment

Micro Correct

Not determined
Not determined
Results of PBT assessment : No data available
Results of vPvB assessment : No data available

12.6. Endocrine disrupting properties

No additional information available

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12.7. Other adverse effects

Other adverse effects : No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Dispose of wastes in an approved waste disposal facility.
 When outsourcing waste treatment, be sure to notify the treatment company regarding the hazards before outsourcing.
 If approved, it may be disposed of after gradually decomposed with water or alcohols (e.g. methanol, isopropanol, etc.) and neutralized. Use engineer controls to control hydrochloric gas and heat emission during decomposition. Eliminate ignition sources.

Product/Packaging disposal recommendations : Contaminated packaging should be disposed of in the same manner as the substance/product. This material and its container must be disposed of in a safe manner.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

ADR	IMDG	IATA
14.1. UN number or ID number		
UN 1263	UN 1263	UN 1263
14.2. UN proper shipping name		
PAINT	PAINT	Paint
Transport document description		
UN 1263 PAINT (methylcyclohexane), 3, II, (D/E)	UN 1263 PAINT (methylcyclohexane), 3, II	UN 1263 Paint (methylcyclohexane), 3, II
14.3. Transport hazard class(es)		
3	3	3
14.4. Packing group		
II	II	II
14.5. Environmental hazards		
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No
not applicable		

14.6. Special precautions for user

Special transport precautions : No data available

Overland transport

Not applicable

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Transport by sea

Not applicable

Air transport

Not applicable

14.7. Maritime transport in bulk according to IMO instruments

IBC code : Not relevant.

SECTION 15: Regulatory information

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

15.1.1. UK/EU-Regulations

Contains no (UK/EU) REACH substances with Annex XVII restrictions

Contains no substance on the (UK/EU) REACH candidate list

Contains no (UK/EU) REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 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

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Germany

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG)
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG)

Water hazard class (WGK) : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed

SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : None of the components are listed

SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

Denmark

Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product

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Switzerland

Storage class (LK) : LK 3 - Flammable liquids

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:

Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP/ GB CLP]:

Flam. Liq. 2	H225
Skin Irrit. 2	H315
STOT SE 3	H336
Aquatic Chronic 3	H412

Safety Data Sheet (SDS), UK

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.