SAFETY DATA SHEET

According to Regulation (EU) 2020/217

Version 4.6
Revision Date: 15.02.2021
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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name : CORRECTION PEN

Included Product Code : SP4M/P, Z4M/P, SW4M/P, SP7M/P, Z7M/P, SW7M/P, E7M/P, F7M/P, B7M/P, E10M/P, P10M/P, K10M/P, J10M/P, CC14M/P, K14M/P, E14M/P, NB7M/P, NF7M/P, NS7M/P, P14M/P, B7M, J10M

UFI : 8500-C029-F00Y-DXMR

1.2 Relevant identified uses of the substance or mixture

Identified uses : To mask errors in text

Uses advised against : Not applicable

1.3 Details of the supplier of the safety data sheet

Company : Hainenko Limited
284 Chase Road
Southgate
London N14 6HF

E-mail address : d.ashpole@hainenko.com

1.4 Emergency telephone number

Emergency phone : +44 0 20 8882 8734 (Local business hours only)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Product definition : Mixture

Classification according to Regulation (EU) 2020/217

Flammable liquids	Category 2
Skin irritation	Category 3
Eye irritation	Category 2B
Specific target organ systemic toxicity - single exposure	Category 3

Aspiration hazard	Category 1
Acute aquatic toxicity	Category 2
Chronic aquatic toxicity	Category 2
Suspected to be Carcinogenic	Category 2

2.2 Label elements

Classification according to Regulation (EU) 2020/217

Hazard pictograms

GHS02

GHS08

GHS09

GHS07

Signal word

Danger

EUH212: 'Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.'

Hazard-determining components of labeling

methylcyclohexane [CAS:108-87-2]

Hazard statements

H225 Highly flammable liquid and vapor

H304 May be fatal if swallowed and enters airways

H315 Causes skin irritation

H320 Causes eye irritation

H335 May cause respiratory irritation: or May cause drowsiness and dizziness

H335 Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)

H401 Toxic to aquatic life

H411 Toxic to aquatic life with long lasting effects

Precautionary Statements

Prevention

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking

P233 Keep container tightly closed

P240 Ground/bond container and receiving equipment

P241 Use explosion-proof electrical/ventilating/lighting/equipment

P242 Use only non-sparking tools

P243 Take precautionary measures against static discharge

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P271 Use only outdoors or in a well-ventilated area

P273 Avoid release to the environment

P280 Wear protective gloves/protective clothing/eye protection/face protection *Response*

Response

P301 + P310

IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.

P303+ P361+ P353

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+ P340

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+ P351+ P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P331 Do NOT induce vomiting.

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P337+ P313: If eye irritation persists: Get medical advice/attention

P370 + P378

In case of fire: Evacuate area. Use manufacturer/supplier or the competent authority to specify appropriate media for extinction.

P391: Collect spillage

Storage

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

P403+ P325: Store in a well- ventilated place. Keep cool.

P405: Store locked up.

Disposal

P501: Dispose of contents/ container to (in accordance with local/regional/national/international regulation).

2.3 Other hazards

NFPA: Health: 2, Fire: 3, Reactivity: 0

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

Not applicable

3.2 Mixture

Ingredient	CAS No.	EC No.	REACH Registration No.	Classification Code	H-Code	Concentration (by weight)
Methyl-cyclohexane	108-87-2	203-624-3	01-2119556887-18-xxxx	Flam. Liq. 2 Skin Irrit. 2 STOT SE 3 Asp. Haz. 1	H225 H304 H315 H336	45 – 50 %
Titanium dioxide	13463-67-7	236-675-5	01-2119489379-17-xxxx	Carc. 2	H351	30 – 40 %
Acrylic Polymer	97-86-9	202-613-0	01-2119488331-38-xxxx	Flam. Liq. 3 Eye Irrit. 2 STOT SE 3 Skin Irrit. 2 Skin Sens. 1 Aquatic Acute 1	H226 H319 H335 H315 H317 H400	6 – 10 %
Dispersing agent	204-685-1/ 108-65-6	123-86-4/ 203-603-8	01-2119485493-29-xxxx/ 01-2119475791-29-xxxx	Flam. Liq. 3 Eye Irrit. 2 STOT SE 3	H226 H319 H336	3 – 5 %

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid measures

General information
Immediately remove all contaminated clothing.

After eye contact
Rinse opened eye for 15 minutes under running water and seek medical advice.

After skin contact
Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognized cleaner. Watch out for any remaining product between skin and clothing, watches, shoes, etc. Consult a doctor if skin irritation persists.

After swallowing
Do not give the patient anything orally. Keep the person exposed at rest. Do not force vomiting. Seek medical attention, showing the label.

Inhalation
Supply fresh air and consult doctor in case of symptoms.

Information for doctor
There are no particular measures are known, treat according to symptoms.

4.2 Most important symptoms and delayed symptoms and effects

No data available.

4.3 Indication of any immediate medical attention and special treatment

No data available.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use foam, dry chemical, or carbon dioxide (CO_2) to extinguish flames.

Unsuitable extinguishing media

Straight streams of water

5.2 Special hazards arising from the substance or mixture

Can form explosive gas – air mixtures.

During heating or in case of fire toxic gases is possible.

5.3 Advice for fire-fighters

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

6.2 Environmental precautions

Do not discharge into drains or waterways.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, sawdust).

Dispose of contaminated material as waste according to section 13.

6.4 Reference to other sections

Information on safe handling, see Section 7.

Information on personal protective equipment, see section 8.

Information on waste treatment, see Section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precaution for safe handling

Keep container tightly closed and away from sources of heat, sparks and naked flames.

Take precautionary measures against static discharges.

7.2 Conditions for safe storage, including any incompatibilities

Store away from food stuff.

Keep the container tightly closed in a cool dry, well-ventilated place.

Keep away from all sources of ignition, heat and direct sunlight.

Avoid accumulation of electrostatic charges.

7.3 Specific end use

No further relevant information available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Component	CAS No.	Type	Limit	Additional information
Methylcyclohexane	108-87-2	TWA	400 ppm	ACGIH, Chevron Phillips, 2012
Titanium dioxide	13463-67-7	TWA	10 mg/m^3	ACGIH TLV,2010

8.2 Exposure control

Personal protection measures, such as personal protective equipment

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

Eye/ face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles in accordance with standard EN166.

Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN347.

Gloves must be selecting according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, prickling, heat protection), level of dexterity required.

Body protection

Avoid skin contact

Wear suitable protective clothing

After contact with the product, all parts of the body that have been soiled must be washed.

Respiratory protection

Avoid breathing vapours

If the ventilation is insufficient, wear appropriate breathing apparatus.

When workers are confronte with concentrations that are above occupational exposure limits, they must wear a suitable, approved, respiratory protection device.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	:	Liquid
Color	:	White
Ordor	:	Characteristic
Ordor threshold	:	Not determined
pH - value	:	Not determined
Melting point / Range	:	Not determined
Boiling point / Range	:	100.4 °C
Flash point	:	-5.5 °C [ASTM D-56]
Evaporation rate	:	Not determined
Flammability limit - LEL	:	1.2 % (vol) in air
Flammability limit - UEL	:	6.7 % (vol) in air
Vapour pressure	:	1.6 PSI at 37.8 °C
Vapor density (air = 1)	:	Not determined
Density	:	Not determined
Bulk density	:	Not determined
Solubility(ies)	:	Not determined
Water solubility	:	Not determined
Partition coefficient	:	Not determined
Auto-ignition temperature	:	285 °C
Decomposition temperature	:	Not determined
Kinematic Viscosity at 40 °C	:	65-75 mm^2/s
Explosive properties	:	Not determined
Oxidising properties	:	Not determined

9.2 Other information

Not applicable

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

The product has not been tested.

10.2 Chemical stability

Stable under the recommended handling and storage conditions in section 7

10.3 Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and carbon dioxide, fumes and nitrogen oxide

10.4 Conditions to avoid

Accumulation of electrostatic charges, heating, heat, flames and hot surfaces

10.5 Incompatible materials

No further relevant information available

10.6 Hazardous decomposition products

Carbon monoxide (CO), Carbon dioxide (CO_2)

SECTION 11: TOXICOLOGY INFORMATION

On LD / LC50- values:

108-87-2 Methylcyclohexane

Oral	LD50	> 5000 mg / kg (rat) (OECD 401)
Dermal	LD50	> 2000 mg / kg (rabbit) (OECD 402)
Inhalation	LC50 / 4 h	> 23.3 mg / l (rat) (OECD 403)

Primary irritant effect:

On the skin	:	May cause skin irritation in susceptible persons
On the eye	:	May cause eye irritation
Sensitization	:	No sensitizing effects known

Repeated dose toxicity (rabbit)

Application Route: Inhalation

Dose: 0, 1160, 3330 ppm

Exposure time: 10 wk

NOEL: 1160 ppm

Lowest observable effect level: 3330 ppm

Aspiration toxicity

May be fatal if swallowed and enters airways

Substances known to cause human aspiration toxicity hazards or to be regarded as if they cause human aspiration toxicity hazard

SECTION 12: ECOLOGY INFORMATION

Toxicity to fish

Methylcyclohexane

LC50	:	72 mg/l
Exposure time	:	96 h
Species	:	Fish

Elimination information (persistence and degradability)

Biodegradability : Expected to be biodegradable

Additional ecological information

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Toxic to aquatic life with long lasting effects.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment method:

Recommendation:

Must be in compliance with state regulations for special treatment.

European waste catalog

20 00 00	Municipal wastes (household waste and similar commercial, industrial wastes) including separately collected fractions
20 01 00	Separately collected fractions (except 15 01)
20 01 27 *	Paint, inks adhesives and resins containing dangerous substances

Uncleaned packaging: Disposal according to official regulations.

SECTION 14: TRANSPORT INFORMATION

Land:

ADR/RID

Class: 3 PG: II UN Number: 1263

Hazchem code: 3WE

Transport document: PAINT RELATED MATERIAL, liquid, class 3, UN 1263, PG II

Sea:

IMDG (Packaged) Goods & BLCs

Class : 3 PG: II UN Number: 1263

Marine pollutant: No EMS Number: 3 – 07

Risk Label : 3

Transport document: PAINT RELATED MATERIAL, liquid, class 3, UN 1263, PG II

Air:

ICAO/ IATA

Class: 3 PG: II UN Number: 1263

Proper shipping name: PAINT RELATED MATERIAL

Hydrocarbons, liquid

SECTION 15: REGULATORY INFORMATION

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

National regulation:

Technical instructions (air) Highly flammable

Water hazard class: Class 2 (Self-assessment): hazardous for water

Other regulation, limitations and prohibitive regulations

BG code:

BGI 595 "Irritating substances / corrosive substances"

BGI 621 "Solvent"

SECTION 16: OTHER INFORMATION

This information is based on present level of our knowledge, however, this shall not constitute a guarantee product features and shall not establish a legally valid contractual relationship.

Relevant phrases:

H225 Highly flammable liquid and vapor

H304 May be fatal if swallowed and enters airways

H315 Causes skin irritation

H320 Causes eye irritation

H335 May cause respiratory irritation: or May cause drowsiness and dizziness

H335 Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)

H401 Toxic to aquatic life

H411 Toxic to aquatic life with long lasting effects

R11 Highly flammable

R38 Irritating to skin

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects

R65 Harmful: May cause lung damage if swallowed

R67 Vapours may cause drowsiness and dizziness

Abbreviations:

ADR : European agreement concerning the international carriage of dangerous goods by road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association

ICAO : International Civil Aviation Organization

RID : Regulations concerning the International Carriage of Dangerous goods by rail.

Notice to reader

The information contained in this Safety Data Sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the products and should not be construed as any guarantee of technical performance or suitability for particular application.

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