

SAFETY DATA SHEET

Regulation (EC) No 1907/2006 (REACH), Annex II
(COMMISSION REGULATION (EU) No 453/2010)

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008

Version 1

Issue Date 13-Oct-2014

Product Name Correction Pen

Revision date 13-Oct-2014

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

1.1. Product identifier

Product Name Correction Pen
REACH registration number No information available

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Used to correct typos
Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Supplier Qingdao Aton Stationery Co., Ltd.
Address Xichenghui Industrial Park, Chengyang District, Qingdao
Postal Code 266109
Phone +86-532-89081076
FAX +86-532-55566177
E-mail igle@igle.com.cn

1.4. Emergency telephone number

+86-532-89081076

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flammable liquids Category 2 - (H225)
Germ cell mutagenicity Category 1B - (H340)
Carcinogenicity Category 1B - (H350)
Aspiration toxicity Category 1 - (H304)

Classification according to Directive 67/548/EEC or 1999/45/EC

F; R11
Mutagenic Category 2; R46
Carcinogenic Category 2; R45
Xn; R65

2.2. Label elements

Symbols/Pictograms



Signal word

Danger

Hazard Statements

H225 - Highly flammable liquid and vapor
H304 - May be fatal if swallowed and enters airways
H340 - May cause genetic defects
H350 - May cause cancer

Precautionary Statements P201 - Obtain special instructions before use
 P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
 P308 + P313 - IF exposed or concerned: Get medical advice/attention
 P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
 P331 - Do NOT induce vomiting
 P405 - Store locked up
 P501 - Dispose of contents/ container to an approved waste disposal plant

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients**3.1 Mixture**

Chemical Name	EC No	CAS No	Weight-%	Classification according to Directive 67/548/EEC or 1999/45/EC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Naphtha, petroleum, hydrotreated light	265-151-9	64742-49-0	45.6	Carc.Cat.2; R45 Muta.Cat.2; R46 Xn; R65	Muta. 1B (H340) Carc. 1B (H350) Asp. Tox. 1 (H304)
Titanium dioxide	236-675-5	13463-67-7	35.1	Not classified	Not classified
Substituted styrene acrylate copolymer	-	118922-88-6	13.4	Not classified	Not classified
Silicon dioxide	231-545-4	7631-86-9	3.4	Not classified	Not classified
Calcium carbonate	207-439-9	471-34-1	1.5	Not classified	Not classified
Bentonite	215-108-5	1302-78-9	0.6	Not classified	Not classified
Ethene, homopolymer, oxidized	-	68441-17-8	0.4	Not classified	Not classified

SECTION 4: First aid measures**4.1. Description of first aid measures****General advice**

Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. May cause severe allergic respiratory reaction.

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

Skin Contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

Eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion

Rinse mouth. Get medical attention. Never give anything by mouth to an unconscious person.

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

Suspected of causing cancer

Suspected of causing genetic defects

May be fatal if swallowed and enters airways

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

No information available

5.2. Special hazards arising from the substance or mixture

Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled in confined spaces or at high concentration

5.3. Advice for firefighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area)

Avoid contact with skin, eyes or clothing

Do not breathe dust/fume/gas/mist/vapors/spray

Contaminated work clothing should not be allowed out of the workplace

Wash thoroughly after handling

6.2. Environmental precautions

Should not be released into the environment

6.3. Methods and material for containment and cleaning up

Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container

6.4. Reference to other sections

See Section 7 for more information

See section 8 for more information

See section 13 for more information

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice

Ensure adequate ventilation, especially in confined areas

Avoid contact with skin, eyes or clothing

Wash contaminated clothing before reuse

Do not breathe dust/fume/gas/mist/vapors/spray

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

Do not eat, drink or smoke when using this product

Wash thoroughly after handling

Use personal protection recommended in Section 8

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place

Keep away from heat

Keep locked up and out of reach of children

Keep away from food, drink and animal feeding stuffs

Store in accordance with local regulations

7.3. Specific end use(s)

Apart from the uses mentioned in SECTION 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

Chemical Name	Australia	Austria	Belgium	Denmark	European Union
Titanium dioxide (CAS #: 13463-67-7)	10 mg/m ³	STEL 10 mg/m ³ TWA: 5 mg/m ³	-	TWA: 6 mg/m ³	-
Silicon dioxide (CAS #: 7631-86-9)	2 mg/m ³	TWA: 4 mg/m ³ TWA: 0.3 mg/m ³	-	-	-
Calcium carbonate (CAS #: 471-34-1)	10 mg/m ³	-	-	-	-

Chemical Name	Norway	United Kingdom	ACGIH TLV	OSHA PEL	NIOSH IDLH
Titanium dioxide (CAS #: 13463-67-7)	-	-	TWA: 10 mg/m ³	-	-
Bentonite (CAS #: 1302-78-9)	-	-	TWA: 1 mg/m ³ respirable fraction	-	-

Derived No Effect Level (DNEL)

No information available.

Predicted No Effect Concentration (PNEC)

No information available.

8.2. Exposure controls**Engineering Controls**

Ensure adequate ventilation, especially in confined areas. Remove all sources of ignition.

Personal protective equipment

Eye/face protection	Avoid contact with eyes
Hand Protection	Wear protective gloves
Skin and body protection	Suitable protective clothing
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment

Environmental exposure controls

Do not allow into any sewer, on the ground or into any body of water

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Appearance	Liquid
Color	Porcelain white
Odor	Slight
Odor Threshold	Not determined
pH	6-7
Melting point/freezing point	Not determined
Boiling point / boiling range	36-126°C
Flash point	-3°C
Evaporation rate	Not determined
Flammability	Highly flammable liquid
Flammability Limit in Air	Not determined
Vapor Pressure	Not determined
Vapor density	Not determined
Density	1.098-1.06 g/cm ³
Relative density	Not determined

Bulk density	Not determined
Specific gravity	Not determined
Water solubility	Insoluble in water
Partition coefficient (LogPow)	Not determined
Autoignition temperature	Not determined
Decomposition temperature	Not determined
Kinematic viscosity	Not determined
Dynamic viscosity	Not determined
Explosive properties	Not an explosive
Oxidizing properties	Not determined

9.2. Other information
No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Heat, flames and sparks
Incompatible materials

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Carbon oxides (CO_x)

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Naphtha, petroleum, hydrotreated light (CAS #: 64742-49-0)	> 5000 mg/kg (Rat)	> 3160 mg/kg (Rabbit)	= 73680 ppm (Rat) 4 h
Titanium dioxide (CAS #: 13463-67-7)	> 5000 mg/kg (Rat)	-	-
Calcium carbonate (CAS #: 471-34-1)	> 2000 mg/kg bw(rat)	> 2000 mg/kg bw(rat)	> 3 mg/L(rat)

Skin corrosion/irritation

Non-irritating to the skin.

Serious eye damage/eye irritation

No eye irritation.

Sensitization

No sensitization responses were observed.

Germ cell mutagenicity

May cause genetic defects.

Carcinogenicity

Chemical Name	European Union	IARC
Naphtha, petroleum, hydrotreated light (CAS #: 64742-49-0)	Carc. 1B	-
Titanium dioxide (CAS #: 13463-67-7)	-	2B

Reproductive toxicity

May cause heritable genetic damage.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Aspiration hazard

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information**12.1. Toxicity**

Chemical Name	Algae/aquatic plants EC50	Fish LC50	Crustacea EC50
Silicon dioxide (CAS #: 7631-86-9)	440: 72 h Pseudokirchneriella subcapitata mg/L EC50	-	-
Calcium carbonate (CAS #: 471-34-1)	-	> 100: 96 h Oncorhynchus mykiss LC50	> 100: 96 h Oncorhynchus mykiss LC50

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available

12.5. Results of PBT and vPvB assessment

PBT/vPvB assessment information is not available as chemical safety assessment not conducted.

12.6. Other adverse effects

No information available

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Waste from residues/unused products	Disposal should be in accordance with applicable regional, national and local laws and regulations
Contaminated packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations

SECTION 14: Transport information**14.1 UN Number**

1993

14.2 Proper shipping name	FLAMMABLE LIQUID, N.O.S
14.3 Hazard Class	3
14.4 Packing Group	II
14.5 Environmental hazards	Non-marine pollutant
14.6 Special precautions	No information available
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable

SECTION 15: Regulatory information

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

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Take note of Directive 94/33/EC on the protection of young people at work

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

International Inventories

Component	TSCA	DSL/NDL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	AICS
Naphtha, petroleum, hydrotreated light 64742-49-0 (45.6)	X	X	X	X	X	X	X	X
Titanium dioxide 13463-67-7 (35.1)	X	X	X	X	X	X	X	X
Substituted styrene acrylate copolyme 118922-88-6 (13.4)	X	X	-	-	X	X	X	X
Silicon dioxide 7631-86-9 (3.4)	X	X	X	X	X	X	X	X
Calcium carbonate 471-34-1 (1.5)	X	X	X	X	X	X	X	X
Bentonite 1302-78-9 (0.6)	X	X	X	-	X	X	X	X
Ethene, homopolymer, oxidized 68441-17-8 (0.4)	X	X	-	X	X	X	X	X

"-" Not Listed

"X" Listed

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Issue Date	13-Oct-2014
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Revision Note	Not applicable

Key or legend to abbreviations and acronyms used in the safety data sheet

TWA - TWA (time-weighted average)

STEL - STEL (Short Term Exposure Limit)

Ceiling - Maximum limit value

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

Full text of H-Statements referred to under section 3

H225 - Highly flammable liquid and vapor

H340 - May cause genetic defects

H350 - May cause cancer if swallowed

H304 - May be fatal if swallowed and enters airways

Full text of R-phrases referred to under sections 2 and 3

R11 - Highly flammable

R46 - May cause heritable genetic damage

R45 - May cause cancer

R65 - Harmful: may cause lung damage if swallowed

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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