

MATERIAL SAFETY DATA SHEET

(Conforms to Regulation (EC) No 1907/2006)

Version : 2.0

Issue Date : 20/8/2013

QINGDAO ATON

CORRECTION PEN

ZL901-W

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : CORRECTION PEN
PRODUCT CODE : 38249020
Recommended uses : Correct
SUPPLIER
Name : QINGDAO ATON STATIONERY CO., LTD(Sino-UK)
Address : Room 802, Unit 2, Building 7, Hongtong Mancheng
 No.337, Xinyang Rd, Chengyang District, Qingdao
 CHINA
Telephone number : + 86 532 55566678
Telefax number : + 86 532 55566177
Information in case of emergency : Mr.Zuoxin Gong
 : Tel:+86 532 55566678
 : Email: Andy@IGLE.COM.CN
Australian Company : Pentel Australia Pty Ltd
Address : Unit 4, 7 - 9 Orion Road, Lane Cove NSW 2066
Phone : 1300 88 87 86
Emergency Phone : 02 9425 4800
ABN : 72 008 457 725

2 HAZARDS IDENTIFICATION

MOST IMPORTANT HAZARDS :
*** Adverse human health effects** : Vapours may cause drowsiness and dizziness.
 Irritating to skin
Environmental effects : Toxic to aquatic organisms
 May cause long-term adverse effects in the aquatic environment
Physical and chemical hazards :
- Fire or explosion : Highly flammable liquid
 May form flammable/explosive vapour-air mixtures
Classification of the product : According to European regulations, this product is classified as :
 - HIGHLY FLAMMABLE
 - IRRITANT
 - DANGEROUS FOR THE ENVIRONMENT

3 COMPOSITION / INFORMATION ON INGREDIENTS

MIXTURE :
***Chemical nature** : Mixture of solvents and titanium dioxide
***Hazardous constituents** :

| Substance name | Contents | CAS No / EC No / Index No | Symbol(s) |
|---|----------|---------------------------------------|-----------|
| R-Phrase(s) | | | |
| Titanium dioxide | < 40 % | 13463-67-7 / 236-675-5 / ---- | |
| Naphtha (petroleum), hydrotreated 11-38-51/53-65- light | < 46 % | 64742-49-0 / 265-151-9 / 649-328-00-1 | F Xn N |
| isobutyl methacrylate/2-ethylhexyl acrylate/methylstyrene | < 20 % | 118922-88-6 | |

4 FIRST AID MEASURES

Inhalation : Move the affected person away from the contaminated area and into the fresh air
If the person feels unwell : Call a doctor
Skin contact : Wash immediately with plenty of soap and water
 In case of redness or irritation, consult a doctor
Eye contact : Immediately rinse with water for a prolonged period while holding the eyes wide open. If irritation persists, consult an eye specialist
Ingestion : Never attempt to induce vomiting
 Consult a doctor

5 FIRE FIGHTING MEASURES

Suitable extinguishing media : Foam
 Powders
 Carbon dioxide (CO2)
*** Specific hazards** : The vapours are denser than air and may travel along the ground.
 Distance ignition possible
 On heating or during combustion: Toxic vapors may be released
Specific fire fighting methods : Clear the danger area
 Cool down the containers/equipment exposed to heat with a water spray
 Contain the extinguishing fluids by bunding (the product is hazardous for the environment)
 Do not attempt to fight the fire without suitable protective equipment
*** Protection of fire-fighters** : Self-contained breathing apparatus
 Standard protection

6 ACCIDENTAL RELEASE MEASURES

Personal precautions : Avoid contact with skin and eyes
 Do not breathe vapours
 No flames, no sparks. Eliminate all sources of ignition.
 Do not smoke

| | | |
|----------------------------------|--|--|
| | Protective equipment : | |
| | -full protective clothing and equipment | |
| | #NAME? | |
| | In case of important spillage : | |
| | Mark out the contaminated area with signs and prevent access to unauthorized personnel | |
| | Stop the leak as quickly as possible (using non-sparking tools) | |
| | Prevent the product from entering drains (risk of explosion) | |
| | Ventilate spillage area | |
| Environmental precautions | : | Contain the spilled material by bunding (product is hazardous for the environment) |
| | | Do not discharge into drains and rivers |
| Methods for cleaning up | : | |
| -Recovery | : | Recover the product by mechanical means. |
| -Neutralization | : | Absorb non-recoverable liquid with: |
| | | -inert absorbent material |
| | | -earth or sand |
| Disposal | : | Dispose of contaminated materials in accordance with current regulations |
| <hr/> | | |
| 7 | HANDLING AND STORAGE | |
| | HANDLING | |
| Technical measures | : | Vapour extraction at source Use NON-sparking tools |
| Precautions | : | Avoid contact with skin and eyes Avoid the build-up of electrostatic charge Smoking is forbidden Do not overheat the product. |
| | STORAGE | |
| Technical measures | : | The floor of the depot must be impermeable, non-combustible and designed to form a basin, in order that stored flammable liquids should not, under any circumstances, be released outside |
| Storage conditions | : | |
| Recommended | : | Store : in a cool and dry area in a well-ventilated area the container tightly closed away from any source of ignition away from heat. away from any flames |
| * Incompatible materials | : | Strong oxidizing agents Oxidizing materials |
| Packaging materials | : | |
| Recommended | : | Original packaging |
| <hr/> | | |
| 8 | EXPOSURE CONTROLS/PERSONAL PROTECTION | |
| Engineering measures | : | Ensure good ventilation of the work station Extraction to remove vapours at their source |
| Personal protective equipment | : | |
| * - Respiratory protection | : | If vapour is released: Aerosol filter type A |
| * - Hand protection | : | Impermeable protective gloves The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN Breakthrough time : refer to the recommendations of the supplier |
| * - Eye protection | : | Safety spectacles |
| Hygiene measures | : | Do not drink, eat or smoke in the workplace Always wash your hands after handling the product |
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| 9 | PHYSICAL AND CHEMICAL PROPERTIES | |
| Physical state | : | Sticky Liquid |
| Colour | : | white |
| Odour | : | Light irritative odour |
| pH | : | Not applicable |
| Specific temperatures | : | |
| -Boiling | : | 95-114°C (760 mmHg) |
| Flammability characteristics | : | |
| -Flash point | : | -8.3°C - +2.7°C |
| Explosive limits in air | : | |
| -Lower | : | 1.7 % (volume) |
| -Upper | : | 12.3 % (volume) |
| Vapour pressure | : | 26-49 mmHg (20°C) |
| Specific gravity | : | 1.1 g/ml (25°C) |
| Solubility in water | : | Practically insoluble. (0.1 g/l) |
| Kinematic viscosity | : | > 60 mm ² /s (40°C) |
| Volatile component | : | 0.89 - 1.08 % |
| <hr/> | | |
| 10 | STABILITY AND REACTIVITY | |
| Stability | : | Stable at ambient temperature and under normal conditions of use |
| Hazardous reactions | : | |
| Conditions to avoid | : | Heat, sparks, open flames, ignition source |
| Materials to avoid | : | strong oxidizing agents strong reducing agents |
| Hazardous decomposition products | : | On combustion or on thermal decomposition (pyrolysis) releases : Carbon oxides (CO, CO ₂) Various hydrocarbon fragments |

11 TOXICOLOGICAL INFORMATION

Vapours may cause

Naphtha (petroleum), hydrotreated light :
 LC 50 inhalation / 6h (rat) : > 12 mg/l
 LD 50 oral (rat) : > 5000 mg/kg
 LD 50 skin (Rabbit) : 3160 mg/kg
 (published data)

Irritating to the skin

12 ECOLOGICAL INFORMATION

ECOTOXICITY :

* Effects on the aquatic environment : **Toxic to aquatic organisms**

May cause long-term adverse effects to the aquatic environment.

Naphtha (petroleum), hydrotreated light :

EC 50 (crustacean) / 96 h : 2.6 mg/l
 (published data)

13 DISPOSAL CONSIDERATIONS

WASTE FROM PRODUCT :

Prohibition : Discharging waste into rivers and drains is prohibited

Destruction/Disposal : Dispose of in accordance with relevant local regulations

CONTAMINATED PACKAGING :

Destruction/disposal : Destroy at an authorised site

NOTE : The user's attention is drawn to the possible existence of specific european,

14 TRANSPORT INFORMATION

INTERNATIONAL REGULATIONS :

-UN No. : 1993

Land transportation :

* - Rail/road (RID/ADR) : Class : 3

Classification code : F1

Packing group : II

Hazard identification number : 33

Labelling : 3

Description : FLAMMABLE LIQUID N.O.S. (Naphtha (petroleum), hydrotreated light)

Sea (IMO/IMDG) : Class : 3

Packing group : II

Emergency schedule (EmS) : F-E, S-E

Description : FLAMMABLE LIQUID N.O.S.

Labelling : 3

Air (ICAO-IATA) : Class : 3

Packing group : II

Labelling : Flammable liquid

Description : FLAMMABLE LIQUID

Passenger aircraft :

Packing instruction : 305

Quantity : 5 L

Cargo aircraft :

Packing instruction : 307

Quantity : 60 L

NOTE : The above regulatory prescriptions are those valid on the date of publication of this sheet

Given the possible evolution of transport regulations for hazardous materials, in case the present sheet is dating back to more than 12 months ago, it would be advisable to check their validity with your commercial agency

15 REGULATORY INFORMATION

EC LABELLING :

Symbols and indications of danger:



HIGHLY FLAMMABLE(F)

IRRITANT (Xi)

DANGEROUS FOR THE ENVIRONMENT (N)

* - R phrases : **R11 : Highly flammable.**

R38 : Irritating to skin.

R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R67 : Vapours may cause drowsiness and dizziness

* - S phrases : S2 : Keep out of the reach of children.

S16 : Keep away from sources of ignition - No smoking

S24 : Avoid contact with skin.

S29 : Do not empty into drains.

S46 : If swallowed seek medical advice immediately and show this container or label.

S61 : Avoid release to the environment. Refer to special instructions/ Safety data sheets.

* - Further data : Reduced labelling allowed for small packaging (< 125 ml)

FURTHER REGULATIONS :

The regulatory information given above only indicate the principal regulations specifically applicable to the product described in the MSDS. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable international, national and local regulations or provisions.

16 OTHER INFORMATION

- Restrictions on use : This product must not be used for other applications that mentioned in § 1.
* R phrases text of § 2 & 3 : **R11 : Highly flammable.**
: **R38 : Irritating to skin**
R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 : Harmful : may cause lung damage if swallowed.
R66 : Repeated exposure may cause skin dryness or cracking.
R67 : Vapours may cause drowsiness and dizziness.
- * Bibliography references : **European Chemicals Bureau (ECB)**
INRS (Institut National de Recherche et de Sécurité)
IUCLID (International Uniform Chemical Information Data Base)
RTECS (Registry of Toxic effects of Chemical Substances)
MSDS of suppliers
- * Update : This sheet was updated (refer to the date at the top of this page)
: Texts which have been modified since the previous version are marked with an asterisk (*)
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This sheet complements the technical sheets but does not replace them. The information given is based on our knowledge of the product, at the time of publication. It is given in good faith.
Besides, the attention of the user is drawn to the possible risk incurred by using the product for any other use than that for which it was intended.
In no way does this exempt the user from knowing and applying all the regulations controlling his activity. He alone **will take on the responsibility for taking the precautions involved by the use of the product.**
The aim of all the mandatory regulations mentioned is just to help the user to fulfil his obligations regarding the use of hazardous products.

This information must not be considered exhaustive. It does not exempt the user from ensuring that other obligations those mentioned could apply, related to the storage and use of the product, this being his sole responsibility.

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