

EC- Safety data sheet Commercial

Product name: YOKEN Paint marker ink

Date: 1 Aug.1995

Date of revision: 27 May. 2011

Producer/Supplier: Taiyosha Chemical Factory Ltd.,

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1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDER TAKING

1.1 Identification of the substance or preparation:

Trade name : Marker ink for paint marker

Color: Gold, Silver, White, Black, Red, Blue, Green, Yellow,.

1.2 Company / undertaking identification:

Taiyosha Chemical Factory Ltd.

20 - 12, 3 - Cho, Tokiwa - Cho, kita - ku, Sakai - Shi, Osaka, Japan.

Tel: 81-72-252-2811

Fax: 81-72-252-2831

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization : Solvent based marker

substance

● preparation

Description:

Mixture of the listed below with harmless additions.

Pigments 11-40%

Resin 10-26%

Dangerous components:

CAS No.	Designation	%	Index
1330-20-7	Xylene	25 ~ 60 % (Ink)	Xn

3. HAZARDS IDENTIFICATION

Hazard designation: Irritating to skin.

Harmful by inhalation and in contact with skin.



Risk phrases : Xn 10 R20/21 – Xi R38 (Xylene)

Safety phases: S-2 S-25

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4. FIRST-AID MEASURES

Inhalation: Remove the victim from the contamination to fresh air.

Eye : wash the eyes immediately with copious amounts of running water for over 15 minutes.
If necessary see an oculist.

Ingestion : It may be necessary medical advice.

Skin : Rinse with running water and soap.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : CO₂ , extinguishing powder, foam

For safety reasons unsuitable extinguishing media: Nothing Special

Protective equipment: No special measures required

6. ACCIDENTAL RELEASE MEASURES

Measures for environmental protection: Do not allow reaching sewerage system.

Measures for cleaning / collecting : Collect leaking and spilled liquid in seal able containers as far as possible. Wash away remainder with plenty of water. Carefully collect remainder.

7. HANDLING AND STORAGE

7.1 Handling

Information for safe handling : Use this product in the well ventilated areas.
Keep ignition sources away.

Information about protective against explosions and fires : Store cool and dark place.
Prevent electrical charges.

After using : Close the cap tightly.

7.2 Storage

Requirements to be met by storeroom and containers : Avoid open flames, Freezing.

Materials to avoid: Strong-oxidizing agents.

Additional information: Keep out of the reach of children.

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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Engineering measures: n.a

8.2 Specific control parameters / limit values:

CAS No.	Designation of material	%	OSHA Pel	ACGIH Tlv
1330-20-7	Xylene	40-70%(ink)	100ppm	100ppm

8.3 Personal protective equipment:

General protective and hygienic measures: Exhaust ventilation

Breathing equipment: Unnecessary in normal use with using exhaust ventilation.

Protection of hands: Anti-static electrical chemical resistant glove.

Eyes protection: Tightly sealed chemical safety goggles.

Skin protection: Anti-static electrical chemical resistant clothes.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Appearance Form: Solvent based Marking Pen ink

Color: Same as 1.1

Odour : Solvent (Xylene) odour.

9.2 Safety parameters:

P.H : n.a

Change in physical State: Boiling point : 140°C

Melting point: n.d.

Flash point : 24.8 °C (Tag Closed as Xylene)

Flammability : Flammable

Auto flammability: n.d

Ignition temperature: n.d

Explosion limits: lower: 1%

Upper: 7%

Vapor Pressure: n.d

Relative density: 1> g/cm³ (at 25°C)

Oxidizing properties: None

Solubility: In water: Insoluble (ink)

In fat: n.d.

9.3 Other data

None

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10. STABILITY AND REACTIVITY

Thermal decomposition / conditions to be avoid:

No decomposition if used according to specifications.

Dangerous reactions:

No dangerous reaction known.

Dangerous products of decomposition products known:

No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Harmful substances include ink of this marker.

Xylene Oral LD50 (rat) 4.0g/Kg

Chronic toxicity: n.d

Primary irritant effect: Ink vapor of this marker is slightly irritating.

On the skin: Ink of this marker is slightly irritating.

On the eye: Ink vapor of this marker is slightly irritating.

Sensitization: Ink vapor of this marker is slightly irritating.

12. ECOLOGICAL INFORMATION

Component of this ink may be hazardous to environment; special attention should be given to water organisms.

13. DISPOSAL CONSIDERATIONS

Recommendation: disposal should be in accordance with local, state or national regulation.

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14. TRANSPORT INFORMATION

GGVsea / IMDG-Code : Class 3 grade III page 3394 (Ink)

Packing instructions for air flight : PAT309, Y309, CA310 (Ink)

UN / ID Number : 1307 (Ink)

RID/ ADR (EC) : n.a

Packing group : III (Ink)

EmS-No. (Emergency schedule) : n.a

MFAG-table No. : n.a

Marking / label : Flammable (Ink)

15. REGULATORY INFORMATION

Follow all regulation in your country.

15.1 Classification, packing and labeling of dangerous substances and preparations according to EC-Directives. : Same as 8.2

“F” Flammable (As ink)

Risk phrases : Xn 10 R20/21 – Xi R38 (Xylene)

Safety phrase : S2

24/25 26 S46.

15.2 Further information: n.a

National regulations : n.a

Marine pollution class: n.a

16. OTHER INFORMATION

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific features and shall not establish a legally valid contractual relationship.