

SAFETY DATA SHEET (SDS)

According to 1907/2006/EC, Article 31

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1. Identification of the substance/preparation and company/undertaking.

TRADE NAME: 120, 125, 130, 140, 200, 300, 400

INK NAME: U-11

Color: ALL COLORS

Relevant identified uses of the substance or mixture and uses advised against:

Xylene based pigment ink.

Manufacturer/Supplier

Uchida of America, Corp

3535 Del Amo Blvd. Torrance, California 90503

Tel: (800) 541-5877 or (310) 793-2200

Fax: (800) 229-7017 or (310) 793-2210

2. Hazards identification.

Classification of the substance or mixture

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

Label elements

GHS02: Gas cylinder

GHS07: Flame over circle

GHS08: Skull and crossbones

GHS09: Environment

Hazard statements

H226: Flammable liquid and vapour

H304: May be fatal if swallowed and enters airways

H312: Harmful in contact with skin

H315: Causes skin irritation

H310: Causes mild skin irritation

H320: Causes eye irritation

H332: Harmful if inhaled

H335: May cause respiratory irritation

H373: May cause damage to organs through prolonged or repeated exposure

H401: Toxic to aquatic life

Precautionary statements

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

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, and lighting equipment.

P242: Use only non-sparking tools.

P243: Take precautionary measures against static discharge.

P260: Do not breathe mist / vapours.

P264: Wash skin thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

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

P273: Avoid release to the environment.

P280: Wear protective gloves and eye / face protection.

P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P302 + P352: IF ON SKIN: Wash with plenty of soap and water.

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- P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.
Rinse skin with water/shower.
- P304 + P340: IF INHALED: Remove person to fresh air and keep 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.
- P308 + P313: IF exposed: Call a POISON CENTER or doctor/physician.
- P314: Get Medical advice/attention if you feel unwell.
- P331: Do NOT induce vomiting.
- P332 + P313: If skin irritation occurs: Get medical advice/ attention.
- P337 + P313: If eye irritation persists: Get medical advice/attention.
- P362: Take off contaminated clothing. [As modified by IV ATP]
- P370 + P378: In case of fire: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish.
- P391: Collect spillage.
- P403 + P235: Store in a well-ventilated place. Keep cool.
- P405: Store locked up.
- P501: Dispose of contents and container in accordance with local regulations.

3. Composition/information on ingredients.

Chemical characterization: Mixtures

Description: Mixture of the substances listed below with nonhazardous additions.

| Chemical name | % Range | Description | GHS Symbols |
|---------------|---------|--|----------------------------|
| Xylene | 35-45 | H226, H304, H312, H332, H335, H315, H320(2B), H373, H401 | GHS02, GHS07, GHS08, GHS09 |
| Hydrocarbons | 5-10 | H226, H304, H316 | GHS02, GHS08 |
| Resin | 25-35 | | |
| Pigments | 15-25 | | |

SVHC

This product does not intentionally contain any Substance of Very High Concern (SVHC) on the European Chemicals Agency (ECHA) candidate list. Analysis There is no data.

4. First Aid measure.

Description of first aid measures

- After Inhalation: Remove from exposure, rest and keep warm. In severe cases, seek medical attention.
- After Skin Contact: Drench the skin with plenty of water. Remove contaminated clothing and wash before reuse. If irritation persists seek medical attention.
- After Eye Contact: Irrigate thoroughly with water for at least 10 minutes. Obtain medical attention.
- After Ingestion: Wash out mouth with water. Do not induce vomiting. Seek immediate medical attention.
- After Swallowing: Seek immediate medical advice.

Information for doctor

Most important symptoms and effects, both acute and delayed No further relevant information available.

Indication of any immediate medical attention and special treatment needed No further relevant information available.

5. Fire fighting measures.

Extinguishing media

- Suitable Extinguishers: Dry chemical, Foam or Carbon dioxide.
- Unsuitable Extinguishers: Water jet.
- Hazardous Combustion Products: CO, CO₂, Smoke.
- Special Equipment for Fire Fighting: Self contained breathing apparatus.

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6. Accidental Release measures.

Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation.

Keep away from ignition sources.

Environmental precautions: Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents.

Absorb with clay, dry sand, or other inert material. Do not use combustible materials such as sawdust. Place in a chemical waste container.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7. Handling & Storage.

Handling

Precautions for safe handling

Store in cool, dry place in tightly closed receptacles.

Ensure good ventilation/exhaustion at the workplace.

Information about protection against explosions and fires

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles: Store in a cool location.

Further information about storage conditions

Keep receptacle tightly sealed. Store in cool, dry conditions in well sealed receptacles.

Specific end use(s) No further relevant information available.

8. Exposure Controls/personal protection.

Additional information about design of technical systems: No further data; see Item 7.

Protective Measures

Respiratory Wear self contained breathing apparatus.

Hand PVC or butyl rubber gloves.

Eye Safety goggles.

Skin Overalls and boots.

Hygiene Measures Always wash thoroughly after handling chemicals.

Control parameters

CAS 1330-20-7 Xylene

TLV-TWA 100ppm A3 (o,m&p isomers)

TLV-STEL 150ppm A4 (o,m&p isomers)

CAS 64742-48-0 Hydrocarbons

TLV-TWA 400mg/m³ 100ppm

Additional information:

PEL = Permissible Exposure Limit (OSHA)

TLV = Threshold Limit Value (ACGIH)

OSHA = Occupational Safety and Health Administration

ACGIH = American Conference of Governmental Industrial Hygienists

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S.D.S. NO. U-11**9. Physical & Chemical Properties.**

Information on basic physical and chemical properties

General Information

| | |
|-----------------------------|---|
| Appearance | Liquid |
| Odor | Petroleum solvent odor |
| Bolling Point/range * | 130-145°C |
| Freezing Point/range * | <-10°C |
| Flash Point* | 27°C(Closed cap) |
| Auto-ignition temperature * | 300-400°C |
| Explosive limits * | 1,1-7,0 Vol.-% |
| Vapor Pressure * | n.d. |
| Relative density | 0,9-1,4 |
| Solubility | Water: Slightly Solvent: Soluble in most solvents. |

(* Solvent Data)

10. Stability & Reactivity.

| | |
|----------------------------------|--|
| Stability | Stable under normal conditions. |
| Known Hazardous reactions | None |
| Conditions to avoid | Heat, high temperature and fire sources. |
| Materials to avoid | Oxidizing agents. |
| Hazardous decomposition products | CO, CO ₂ |

11. Toxicological Information.

Information on toxicological effects Acute toxicity

Low acute oral toxicity, however ingestion may cause systemic effects such as damage liver and kidneys which may become apparent later. High vapor concentrations are irritating to mucous membranes and the respiratory tract. Slight to moderate eye and skin irritant. No reported evidence of carcinogenic, mutagenic or adverse reproductive effects.

12. Ecological Information.**Toxicity**

| | |
|------------------------------------|--|
| Aquatic toxicity: | No further relevant information available. |
| Additional ecological information: | Ecological data are not available. |

General notes

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

13. Disposal considerations.**Waste treatment methods****Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Disposal must be made according to official regulations.

Unleaded packagings

Recommendation: Disposal must be made according to official regulations.

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14. Transport Information.

| | |
|----------------------------|------|
| UN number | n.a. |
| Transport hazard class(es) | n.a. |
| Packing Group | n.a. |
| Emergency Action Code | n.a. |

15. Regulatory Information.

Safety, health and environmental regulations/legislation specific for the substance or mixture
USA The following information relates to product regulation specific to the USA.

California Proposition 65

None of the ingredients is listed.

Use of this material may be governed by the following regulations EN71 part3 (1995)

16. Other Information.

| | |
|------------------------------------|-------------------------|
| This material is usually used for: | Marking pen ink. |
| It must not be used for: | Avoid high temperature. |

Legal Disclaimer

The above information is based on the present state of our knowledge of the product at the time of publication. It is given in good faith, no warranty is implied with respect to the quality or the specification of the product. The user must satisfy himself that the product is entirely suitable for his purpose.

Not applicable: n.a.

Not determined: n.d.

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