

Acrylic painter ink

PRODUCT DETAILS

Type of Product: Ink / Leave on

Physical Form: Liquid

Client: TÜV SÜD Certification and Testing (China) Co., Ltd.
Shanghai Branch
No. 88, Heng Tong Road
Shanghai, 200 070
P.R. China

Product Reference

Yellow, Medium Yellow, Dark Yellow, Red, Magenta,
Dark red, Blue, Green, Brown, White, Black, Dark
Black

PHYSICAL / CHEMICAL CHARACTERISTICS

Appearance: Coloured liquid

Odour: Characteristic

Melting Point: N/A

Boiling Point: N/A

pH: N/A

Specific Gravity: N/A

Viscosity: N/A

Water Solubility: N/A

Log Kow: N/A

Evaporation Rate: N/A

Vapour Pressure: N/A

Particle Size: N/A

FORMULATION OVERVIEW

**The formulation of this product has not been disclosed, and is held in confidence by Delphic HSE Solutions Ltd.
For information concerning the formulation of this product, please refer any enquiries to the manufacturer.**

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EXPOSURE SCENARIO

Intended Consumer: Adult Males and Females (16+)
Single Exposure: 20mg | 5 time(s) per Day
Combined Exposure: 100mg | 1.852 mg/kg/Day

Minimum Expected Body Weight: 54kg
Diluted in use: No - 0
Retention Factor: 1

Exposure to Neat Product

Body Site(s): Hands, Ingestion.
Surface Area: .0779m²
Exposure Level: 0.128 mg/cm²
Exposure Time:

Exposure to Diluted Product: Product Not Diluted In Use

Manufacturers Instructions for Use

Ink - no specific instructions for use.

Information on Previous Sales / Complaints

No previous sales and complaints data is provided for review.

Information on User Trials / Product Testing

No user trials on the product have been provided for review.

Product Review

An ink of 12 colours intended for use by adults. All the ingredients in the formulation were provided in concentration ranges. The following assessment takes into account the highest possible amounts of each individual ingredient as disclosed by the manufacturer.

The formulation contains Methylchloroisothiazolinone, which is a preservative that may cause skin sensitisation at 30 ppm (0.003%) and the presence of it exceeds the limit. Due to the presence of it in an ink formulation, where excessive and repeated skin contact is considered unlikely, the use of the preservative by adults is considered acceptable. However, it would be prudent to label "May cause sensitization by skin contact" and "Wash skin with soap and water to remove any incidental contamination".

The manufacturer must ensure all raw materials are of a suitably safe regional grade.

Overall the product is considered suitable for its intended use.

LHAMA Hazard Statements - MAY PRODUCE ALLERGIC REACTION BY SKIN CONTACT.
LHAMA Precautionary Statements - Avoid skin contact.

Skin Toxicity - Neat Product

The product as supplied may cause slight skin irritation especially if exposure is prolonged and/or repeated.
Exposure to this product is unlikely to result in photo-toxic effects.
Has potential to cause sensitisation following repeated and/or prolonged skin contact.
Unlikely to produce systemic toxicity following skin contact.

Eye Toxicity - Neat Product

May irritate the eye.

Oral Toxicity - Neat Product

Not expected to produce systemic toxicity following ingestion. All materials if swallowed in large amounts have the potential to cause injury.
All materials if swallowed in large amounts have the potential to cause injury. If incidentally swallowed in small amounts, may cause some irritation to the mouth and upper digestive tract.

Inhalation Toxicity

It is unlikely that inhalation will be a route of exposure.

Required Safety Labelling

Wash skin with soap and water to remove any incidental contamination.
 May cause sensitization by skin contact

Overall Safety & Compliance

This product has the potential to cause serious adverse health effects following long term use as set out in the Labeling of Hazardous Art Materials Act (Public Law 100- 695) and the requirements of ASTM D-4236-94 (as amended by 10.1520/D4236-94R11). It must be labelled appropriately in order to meet the safety requirements of ASTM D-4236-94 (as amended by 10.1520/D4236-94R11). Due to the potential health hazards that are associated with some of the ingredients within the formulation, and the foreseeable usage of the product, it is not considered safe for use by children (≤12 years).

Toxicological & Regulatory Assessor



Tian Li

Dr L Tian, BEng, PhD, MSB

30/Jul/2015

This report consists of 4 pages plus a Raw Materials, Allergens & Exposure Annex. It is only valid as the original, complete document.

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