



Materials Safety Data Sheet

General Environmental and Safety Information for Handling

1. Product and Company Information

1.1 Product identification

Name:	Resolute pigment ink
Appearance:	Coloured Liquid
Chemical category:	Aqueous ink formulation containing pigments, binders humectants, surfactants and water

1.2 Company undertaking identification

Resolute Ink
308 London Road
Sheffield
S2 4NA
info@resoluteink.co.uk
www.resoluteink.co.uk

2. Composition/information on ingredients

Component	CAS Number
Polyacrylate binder	Confidential
Pigment	Various
Dispersing agents	Confidential
Glycerol	56-81-5
Water	7732-18-5

3. Hazards Identification

3.1 Primary Routes of Exposure

Skin, eyes

3.2 Acute health hazards



Skin – May cause slight irritation characterised by redness of skin.

Eyes – May cause irritation to eyes

3.3 Chronic health hazards

None

4. First Aid Measures

General advice

Remove contaminated clothing

If inhaled

If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention

On skin contact

Wash thoroughly with soap and cold water

On contact with eyes

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

On ingestion

Rinse mouth and drink plenty of water. Ingestion may cause stomach upset, seek medical attention if stomach upset persists.

Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire Fighting Measures

Extinguishing Media Water Spray, Dry Extinguishing Media, Foam, Carbon Dioxide

Further information

Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental Release Measures

Spill or leak procedures

No special procedures are indicated. Use absorbent towels to wipe up. Rinse area with damp cloth to remove remaining traces.



7. Handling and Storage

No special handling or storage required

Storage Temp: Between 5° and 30°C

Shelf life: 12 Months

8. Exposure Control/Personal Protection

Components with workplace control parameters

Refer to current edition of HSE guidance Note EH40 Occupational Exposure Limits (United Kingdom)

141-32-2; n-butyl acrylate (content (W/W): < 0.1%)

TWA value 5 mg/m³ ; 1 ppm (COSHH OEL (GB))

STEL value 26 mg/m³ ; 5 ppm (COSHH OEL (GB))

50-00-0: formaldehyde (Content (W/W): < 0.02%)

TWA value 2.5 mg/m³ ; 2 ppm (COSHH OEL (GB))

STEL value 2.5 mg/m³ ; 2 ppm (COSHH OEL (GB))

71-36-3: n-butanol (Content (W/W): < 0.04%)

STEL value 154 mg/m³ ; 50 ppm (COSHH OEL (GB))

Skin Designation (COSHH OEL (GB))

The substance can be absorbed through the skin.

Personal protective equipment

Respiratory protection:

Respiratory protection in case of vapour/aerosol release.

Hand protective equipment

Chemical resistant protective gloves (EN 374)

e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5mm), polyvinylchloride (0.7 mm) and other Manufacturers directions for use should be observed because of great diversity of types.

Eye protection:

Safety glasses with side shields (frame goggles) (EN 166)

General safety and hygiene measures:



Handle in accordance with industrial hygiene and safety practise. Wearing of closed work clothing is recommended.

9. Physical and chemical properties

Appearance	Pink liquid
Odour	Slight
Solubility in water	Soluble
pH	7-8.5
Physical properties	Liquid at room temperatures

10. Stability and reactivity

Stability	Stable under normal storage conditions
Incompatibles	Strong Oxidisers
Thermal Decomposition Products	Oxides of carbon/nitrogen, water

11. Toxicological information

LD50/oral/rat: > 5,000 mg/kg
 Primary skin irritation/rabbit: non irritant (Draize test)
 Additional information: The statement was derived from products of similar composition

12. Ecological information

Ecotoxicity

Toxicity to fish:

Leuciscus idus/LC50 (96 h): > 100 mg/l

Microorganisms/Effect on activated sludge:

DEV-L2

> 1,000 mg/l

Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

Persistence and degradability

Elimination information

Test method: OECD 303A; ISO 11733; 92/69 EEC,V, C.10

Method of analysis: DOC reduction

Degree of elimination: > 70 %

Evaluation: Readily eliminated from water.



Assessment: The product can be virtually eliminated from water by abiotic processes e.g. adsorption onto activated sludge.

Chemical oxygen demand (COD): 860 mg/g

See user defined text.

Other adverse effects

Adsorbable organically-bound halogen (AOX):

This product contains no organically-bound halogen.

Additional information

Other ecotoxicological advice:

Do not release untreated into natural waters. The product has not been tested. The statement has been derived from the properties of the individual components.

13. Disposal considerations

Dispose in accordance with all applicable federal, state and local laws

14. Transport information

Not a regulated article under DOT, IATA, ADR, RID.

15. Regulatory information

According to EU Directive 88/379/EEC, this product is not classified as dangerous and therefore no hazard label is required. For other countries, no product label would be required.