

SAFETY DATA SHEET

SECTION 1: Identification of the mixture and of the company

1.1. Product identifier

BLUE LIQUID COLOUR

1.2. Chemical description

Artificial Food Colour dyes in Liquid form

1.3. Use of the substance/preparation

Food dye and various industrial applications

1.4. Details of the supplier of the safety data sheet

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1.5. Emergency telephone number

+44 (0) 1162996006 – 9:00 to 17:00 GMT

SECTION 2: Hazards identification

NOT APPLICABLE

SECTION 3: Composition/information on ingredients

Description of the preparation:

Artificial Food Colour dyes in Liquid form.

		<u>CAS</u>	<u>EINECS</u>	<u>CI No</u>
3.24%	Indigo Carmine	860-22-0	-	73015
0.2%	Allura Red	25956-17-6	-	16035
0.08%	Sodium Benzoate	532-32-1	-	N/A
0.13%	Citric Acid	77-92-9	-	N/A
96.35%	Water	-	-	-

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SECTION 4: First aid measures**4.1. Description of first aid measures****Contact with skin:**

Wash with water

Contact with eyes:

Flush with water – seek medical advice if reaction occurs.

Swallowing:

Seek medical advice

Inhalation:

Remove to a well ventilated area. Consult medical advice if reaction occurs.

Advice for the doctor:

Treat symptomatically

SECTION 5: Firefighting measures**5.1. Extinguishing media**

Carbon dioxide, foam, water spray.

5.2. Restrictions:**Fire/explosion hazard:** None**Main combustion gas:** Carbon, Nitrogen and Sulphur Oxides**Personal protection:** Self contained breathing apparatus

SECTION 6: Accidental release measures**6.1. Personal protection**

Gloves, respiratory protection

6.2. Environmental precautions

Do not allow to contaminate water courses

6.3. Spillage procedure

Vacuum or sweep up into containers marked for disposal as chemical waste

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Occupational hygiene – Avoid ingestion, inhalation, skin and eye contact. Handle in accordance with good industrial hygiene practice and any legal requirements

7.2. Conditions for safe storage**Fire precautions****Storage facilities:** Store in a cool dry area with adequate ventilation**Segregation:** No special precautions**Storage conditions:** In common with many organic compounds in powder form it can produce flammable dust clouds in air. Whilst this product has been treated to minimise such risk, take precautionary measures against static discharges. Keep containers closed.

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SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

Occupational exposure controls:

General Personal Protection: Gloves, respiratory protection goggles**8.2. Exposure Limit Values**

Components with occupational exposure limits – The following exposure limits are taken from the Health and Safety Executives Guidance note EH40 occupational exposure limits 1993.

SECTION 9: Physical and chemical properties**Appearance:**

Form: Liquid
Colour: Blue
Odour: None

Important health safety and environmental information

pH: 4.5-6.5 at 10 g/l water
Boiling Point: N/A
Flash Point: N/A
Oxidising properties: N/A
Vapour pressure: N/A
Density: 450-700 kg/m³
Solubility in water: >10g/l at 90°C

Other information

Melting point: >100°C
Thermal decomposition: >200°C
Ignition temperature: >200°C

SECTION 10: Stability and reactivity

Conditions to avoid - None

Materials to avoid- None

Hazardous Decomposition products

None under normal storage conditions

SECTION 11: Toxicological information

Acute toxicity		
-LD50 oral	>2000 mg/kg	Rat (oral)
Primary irritation		
(Skin)	Non irritant	Rabbit
(Eye)	Irritant	Rabbit
Skin sensitisation	None known	Guinea Pig OECD 406

Adverse effects in man –

Additional information – Tests have indicated limited evidence of carcinogenicity in rats. There is no published information relating to effects in humans.

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SECTION 12: Ecological information

Ecotoxicity

Bacterial toxicity

BST

Fish toxicity

LC0

LC50 >100 mg/l

Test Time: 96 hours

Species: Rainbow Trout

EC50 22.9 mg/l (Daphnia Magna) :48 hrs.

Summary – Not classified as marine pollutant

Release to the environment:

Do not allow to contaminate water courses or soils

Environmental fate:

This product is soluble in water

Persistence and degradability

Bioelimination

Summary

Behaviour in treatment plants – Partially eliminated by adsorption on effluent treatment sludge

Additional Ecology Data

BOD5

COD

TOC

Nitrogen content

Phosphorus content

Organohalogen content

Metal content

Tested material Analogous Product Data

Additional information

SECTION 13: Disposal considerations**Product disposal:** Incineration, landfill, observe local regulations.**Contaminated packaging:** Contaminated empty containers must be disposed of as chemical waste**SECTION 14: Transport information**

Transport road and rail

UN Number ADR/RID

Correct technical name ADR/RID Free

ADR/RID Class

Packing Group

Transport air

UN Number ICAO

Proper shipping name Free

ICAO Class

Packing Group

Transport sea

UN Number IMO

Proper shipping name Free

IMDG Class

Packing Group

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SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or Mixture**

Not classified as dangerous for carriage (ADR)

Classification and Labelling**S Phrases:**

S36 Wear suitable Protective Clothing

Contains Liquid food colour

SECTION 16: Other information**Intended Use: Food & Industrial**

Only trained and competent operatives should be allowed to dispense and use dyestuffs and chemical substances.

Recommended restrictions on use

This product is recommended as specified or as otherwise agreed that recommendations regarding application and relevant regulations are followed.

Only trained personnel should handle chemical products and adopt sound industrial hygiene practice.

These statements are solely for the above-mentioned product and should help to take adequate safety precautions. This information is given in good faith and is correct to the best of our knowledge, but all data, instructions and/or suggestions are made without guarantee. This "Safety Data Sheet" replaces all previous ones.

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