



RIGANA MANUFACTURING

BLUE 79 FUEL DYE MSDS SHEET



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BLUE FUEL DYE

MSDS SHEET UPDATED: MAY 2024

Product Information	
CAS No.	92257-31-3

Physical Data	
Form	Liquid
Colour	Dark Blue Liquid
Odour	Typical Aromatic
CAS NO.	74499-36-8
Specific gravity	0.90-1.10
Boiling Point	> 180°C
Flash Point	> 61°C
Viscosity Kinematic @ 20°C	Less than 150 cps
Solubility - Water	Insoluble
Benzene	Soluble
Xylene	Soluble
Oils	Soluble

Chemical Data	
Chemical Class	Anthraquinone
Active Matter	50%
Solvents	Appx.50%

Reactivity Data	
Stability	Stable.
Polymerisation	Does not occur.
Incompatibility(Materials to avoid)	Oxidising & reducing agents.
Thermal Decomposition Products	If heated to high temperature, the product may emit amines, nitrogen oxides, smoke, toxic fumes.

Handling & Storage	
Handling & Storage	Keep container tightly closed. Wash thoroughly after handling. Vapors can be evolved when material is heated during processing operations. Ground all containers when transferring material. Use non-sparking tools and grounding cables when transferring. Wash after handling and shower at end of work period.
Conditions for safe storage	Avoid temperature extremes during storage; ambient temperature preferred. Store away from excessive heat (e.g. steam pipes, radiators), from sources of ignition and from reactive materials Ground all metal containers during storage and handling. Keep tightly closed in a dry, cool and well-ventilated place. Keep away from direct sunlight

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Fire & Explosive Data

Flash Point	More than 61°C
Lower Explosive Limit	N.A
Upper Explosive Limit	N.A
Extinguishing Media	Foam, DCP, CO2 Cylinder or water spray.
Special precautions	Should be treated as class B Compounds. Sparks, static electricity should be avoided. Suitable air breathing apparatus should be used to protect from hazardous combustible products.

Emergency and First Aid Instructions

Eye contact	Flush eyes with water for at least for 15 minutes. Get prompt medical attention.
Skin contact	Remove contaminated clothings and shoes, wash affected areas with soap and water. If irritation develops, consult a physician. Wash contaminated clothings separately with soap before reuse.
Inhalation	Remove to fresh air. If symptoms develop take medical help. If not breathing, give artificial respiration preferably mouth to mouth.
Ingestion	Take medical help. Induce vomiting either by giving salt water or by sticking fingers down the throat. Do not give anything by mouth if the person is drowsy, unconscious.

Spill or Leak Procedure

Steps to be taken in case material is released or spilled	Soak up spills with sand or earth. Small spills can be washed with soap water.
Waste disposal method	Incinerate. Do not dispose in sewer.

Special Precautions & Storage Data

Storage temp.	Ambient.
Precautions	Keep away from heat, sparks & open flame. Keep container closed. Use proper ventilation. Avoid contact with eyes and skin.

Protective Equipment

Eyes	Use safety goggles.
Hands	Use rubber gloves.
Respirator	Good ventilation. In emergency use self-breathing apparatus.

Disposal Considerations

Disposal methods	Incinerate liquid and contaminated solids in accordance with local, state, and federal regulations.
Contaminated packaging	Empty containers retain product residues. Follow label warnings even after container is emptied. Improper disposal or reuse of this container may be dangerous and illegal. Refer to applicable federal, state and local regulations.

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Transportation Data

IMO proper shipping Name	Environmentally Hazardous liquid
	Substance N.O.S
IMO UN No.	3082
IMO UN Class	9
IMDG Code page	N.A
Packing Group	III

Label Data

Label required	Yes
Common Name	Solvent Green Liquid
Chronic Hazard	Yes
Signal Word	Danger
Acute Health Hazard	Moderate
Contact Hazard	Moderate
Fire Hazard	Moderate
Reactivity Hazard	None

Toxicology

Acute Oral Toxicity (Rats)	LD50>5000mg/kg.
Skin Irritation (Rabbits)	Irritation on Prolonged Exposure
Route of Entry	Inhalation, Skin, Ingestion.
Carcinogenicity – NTP	No
Carcinogenicity – IARC	No
Carcinogenicity – OSHA	No

Ecological Effects

Not studied. However, as solubility in water is extremely low it should not affect the aquatic life. Product can be mechanically separated in effluent treatment plants.

Company Information

Company	Rigana Manufacturing (PTY) LTD
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DISCLAIMER

The information contained herein is to the best of our knowledge and belief. However conditions of handling and use are beyond our control, the above said conclusions and recommendations are without liability on our part. Revision Identification Number: 07091964 / Issue Date: 20-01-2024 Version: 6.0

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