



RIGANA MANUFACTURING

RED FUEL DYE MSDS SHEET



Durban Branch

info@rigana.co.za +27 31 701 4988

Johannesburg Branch

sales@rigana.co.za +27 10 003 1958

Cape Town Branch

cptsales@rigana.co.za +27 10 003 1958

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RED FUEL DYE

MSDS SHEET UPDATED: MAY 2024

Product Information	
Product Name	Solvent Red 234
C.I. Name	Solvent Red dyes
CAS No.	92257-31-3

Physical Data	
Form	Liquid
Colour	Dark Red
Odour	Typical Aromatic
Specific Gravity	0.99 – 1.02
Boiling Point	More than 180°C
Flash Point	More than 62°C
Viscosity Kinematic @ 20°C	50-70 cps
Solubility - Water	Insoluble
Benzene	Soluble
Xylene	Soluble
Oils	Soluble

Chemical Data	
Chemical Class	Diazo
Active Matter	50%
Solvents	Appx.50%
Solvent Chemistry	C10 /Heavy Solvent Naphtha Equivalent

Hazardeous Ingredients			
CHEMICAL NAME	CAS#	OSHA PEL	ACGIH TLV-TWA
C10/ Heavy Solvent	64742-94-5	100 PPM, 150 STEL	100 PPM, 150 STEL
SOLVENT RED DYES	Proprietary blend	N.A.	N.A.

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.

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Fire & Explosive Data	
Flash Point	> 62°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.

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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 Red Azo liquid dye
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
Address	17 Clark Road, Westmead, Pinetown, South Africa, 3610
Telephone	+27 31 701 4988

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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