



SAFETY DATA SHEET

UNITROX (RED - YELLOW - BLACK)

Identification of the Substance / Preparation and Company

Product Details

Trade Name : Unitrox (Red - Yellow - Black)
Product No :

Supplier Details

: LIQUID COLOURS (PTY) LTD
P O BOX 2685
Edenvale
1610
South Africa

Tel: +27 11 372-4600
Fax: +27 11 609-8666
Email: info@liquidcolours.co.za
website: www.liquidcolours.co.za

Composition / Information On Ingredients

Chemical Characterisation : Iron Oxide Pigments / Non-Ionic Surfactants, in water/solvent.

Hazardous Ingredients : Diethylene Glycol
Cas Number: 111-46-6
Hazard Symbols: Xn,
R Phrases: R22;
Weight %: 13 – 18%

Hazardous Ingredients : Propylene Glycol
Cas Number: 000057-55-6
Weight %: 10 – 20%

Hazards Identification

Emergency Overview : No particular hazards known.
Can cause irritation to eyes.

First Aid Measures

- General Information** : Remove contaminated clothing immediately and safely dispose.
- Contact with skin** : In case of contact with skin wash off immediately with soap and water and should adverse reaction occur seek medical advice.
- Contact with eyes** : In case of contact with eyes rinse thoroughly with plenty of lukewarm water and seek medical advice. Remove contact lenses if worn.
- Ingestion** : If swallowed, do not induce vomiting. Rinse mouth with water. Drink plenty of water. Should adverse reaction occur seek medical attention. If victim is unconscious, never induce vomiting, nor give any liquids. Place victim in a stable side position, keep warm and transport to medical facility.
- Inhalation** : If a victim breathes in large amounts of vapour, move to fresh air. If breathing is difficult, administer medical oxygen. Give artificial respiration if not breathing. Get immediate medical attention.

Accidental Release Measures

- Environmental Precautions** : Keep out of sewers, storm drains, surface waters and soils.
- Clean-up Methods**
- Small spills** : Can be scraped up manually and disposed of in approved waste container.
- Large spills** : Contain by diking with soil or other non combustible absorbent and dump into an approved waste container, or absorb with non-combustible absorbent material and place in an approved waste container for disposal at a controlled site. Dispose of contaminated product and cleaning material according to local regulations.
- National advice** : Comply with all applicable governmental regulations in spill reporting, handling and disposal of waste.

Fire - Fighting Measures

- Suitable Extinguishing Media** : Water Spray Jet
Carbon Dioxide
Dry Powder
Foam
- Protective Clothing** : Fire fighters should wear full protective equipment and self contained breathing apparatus with full face piece in positive pressure mode.

Exposure Controls / Personal Protection

Engineering Control Measures : Local mechanical exhaust ventilation capable of maintaining emissions at the point of use.

Personal Protection

Respiratory : Full respiratory protection should be readily available in case of excess contamination.

Hands : Wear appropriate hand protection (rubber gloves or neoprene gloves).

Eyes : Safety goggles or approved safety glasses.

Skin : Wear overalls, safety shoes / boots and rubber apron to prevent skin contact.

Other : An eyewash and safety shower should be nearby and ready for use.

Physical And Chemical Properties

Appearance

Form : Liquid
Colour : (Red - Yellow - Black)
Odour : Slight

Data Relevant To Safety

Ph Value : 7.5 - 8.5 @ 20°C
Boiling Point : Approximately 100°C (1.013 hPa)
Flash Point : 100°C DIN 51758
Ignition Temp. : 200°C DIN 51794
Density : 1.1 - 1.6 g/m³ @ 20°C.
Solubility In Water : Miscible
Viscosity : 800 – 5000 CPS @ 25°C

Other physio-chemical properties : The above properties are typical values only and do not constitute a specification.

Handling and Storage

Handling : Store in a cool, well ventilated area away from sources of heat, flame or ignition. No special measures necessary.

Storage : Keep containers tightly closed.
Keep only in original container at temperature not exceeding 60°C.
Protect from temperatures below 0°C.
Storage stability: storage period 12 - 24 months.

Stability And Reactivity

- Hazardous reactions** : No hazardous reactions known when stored or handled according to instructions.
- Hazardous decomposition Products** : No hazardous composition products if stored or handled according to instructions.

Toxicological Information

- Skin and eye contact** : Acute oral LD50 rat: 2.000 mg/kg.
: Skin irritation Rabbit: non-irritant (OECD Guideline 404).
: Mucous membrane Rabbit: non-irritant. (OECD Guideline 405).
- Additional Information** : The statements are based on the properties of the individual components.

Disposal Considerations

- Product** : In accordance with current regulations; may be taken to waste disposal site or incineration plant, after consultation with site operator and / or with the responsible authority.
- Name of waste** : Solvent-water mixture without halogenated organic solvents.
- Uncleaned packaging** : Packaging which cannot be cleaned should be disposed of as product waste.

Ecological Information

- Ecotoxicity -** : Toxicity to fish. *Leuciscus idus*/LC50 (96 hours): >100 mg/l.
Microorganisms / Effect on activated sludge: DEV-L2 EC50 (96 hours) >1.000 mg/l.
- Additional information** : Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

Transport Information:

Not Classified as hazardous under transport regulations (ADR/RID/ADNR/IMDG/GGVSee/ICAO/IATA)

Regulatory Information

Labelling : No subject to hazardous labelling.

Other Information

Terms of use : This summarises at the date of issue our best knowledge of health, environmental hazard and safety information related to the product, how to safely handle, use, store and transport the product. Since Liquid Colours cannot anticipate or control the conditions on which the product may be handled, used, stored or transported, every user must prior to usage review the MSDS in relation to intended use, storage and transport of the product in the workplace and elsewhere. Such information should be communicated to all relevant parties. If further information is required please contact Liquid Colours.

Liquid Colours shall not assume any liability for the accuracy or completeness of the information contained herein or any advice given. Liquid Colours sole and exclusive warranty is that it's products comply with Liquid colours published chemical and physical specifications in effect at the time of sale. Liquid Colours liability for claim suits is in all cases limited to the purchase price of the particular quantity of product upon which the claim is based. Under no circumstances shall Liquid Colours be liable for loss of profits or any other indirect and consequential loss or damage.