



SAFETY DATA SHEET

UNISOLVE BLACK EP3

Identification of the Substance / Preparation and Company

Product Details

Trade Name : Unisolve Black EP3
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

Composition / Information On Ingredients

Chemical Characterisation : Pigment dispersions in solvent blend and polyvinyl resin.

Hazardous Ingredients Content : n-Butanol (Butan-1-ol)
Cas No : 26%
Index No : 71-36-3
EG No : 603-004-006
: 200-751-6

Hazardous Ingredients Content : Ethanol; Ethyl Alcohol
Cas No : 28%
Index No : 64-17-5
EG No : 603-002-00-5
: 200-578-6

Hazardous Ingredients Content : Propan-2-ol; Isopropyl alcohol; Isopropanol
Cas No : 2%
Index No : 67-63-0
EG No : 603-117-00-0
: 200-661-7

* See warning labels on containers

Hazards Identification

Emergency Overview : Harmful if swallowed.
Can cause damage to skin and eyes.
Highly flammable

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 suitable industrial hand cleaner, followed by soap and water, apply skin cream. Should adverse reaction occur seek medical advice.

Contact with eyes : In case of contact with eyes flush with water for 15 minutes, hold eyelids open while rinsing and seek medical advice. Remove contact lenses if worn.

Ingestion : Do not induce vomiting. Consult physician.

Accidental Release Measures

Methods of cleaning Up /taking up : Pick up with absorbent material (e.g. sand, universal binder, sawdust). Treat as "disposal".
Do not allow into drains, sewers or watercourses
Notify occupational and environmental authorities

Fire - Fighting Measures

Suitable Extinguishing Media : Carbon Dioxide
Dry Powder
Foam
Water/Fog

Exposure Controls / Personal Protection

Personal Protective Equipment

General Protective Measures : Avoid contact with eyes and skin

Hygiene Measures : Keep away from foodstuffs and beverages.
Wash hands after use
Clean skin thoroughly after work.

Hand protection : Protective gloves
Eye protection : Safety glasses
Face protection : Vapour mask



Toxicological Information

Acute oral toxicity

n-Butanol : LD50 rat: 790mg/kg; literature value
Ethanol : LD50 rat: 7,060mg/kg; literature value
Ethyl Acetate : LD50 rat: 5,620mg/kg; literature value
Ethyl Acetate : LD50 rabbit: 4,940mg/kg; literature value

Acute inhalation toxicity

n-Butanol : LD50 rat: 8,000mg/l; 4h; literature value
Ethanol : LD50 rat: 66,000mg/l; literature value; 4h
Ethyl Acetate : LD50 rat: 2,500mg/l; literature value; 4h
Ethyl Acetate : LD50 rat: 4,000mg/l; literature value; 4h

Acute dermal toxicity

n-Butanol : LD50 rabbit: 3,400mg/kg; literature value
Ethanol : LDLo rabbit: 20,000mg/kg; literature value
Ethyl Acetate : Not determined

Skin irritation

: Rabbit; literature value, irritating to skin.

Eye protection

: Rabbit; highly irritating; literature value; risk of serious damage to eyes.

Physical And Chemical Properties

Appearance

Form : Liquid
Colour : Black
Odour : Strong solvent smell

Data Relevant To Safety

Flash point : 32°C
Density : 0.91
Solubility In Water : Insoluble
Viscosity : Approximately 500mpa - ± 1000mpa

Handling And Storage

- Handling** : Handle with gloves, goggles and face mask
- Storage** : Keep only in original container at temperature not exceeding 50°C.
Store in flameproof / spark proof area
Do not store for longer than 12 months

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** : Non halogenated solvent blend.
- Uncleaned packaging** : Packaging which cannot be cleaned should be disposed of as product waste.

Regulatory Information

- Labelling** : Hazard warning labelling compulsory
- Hazard symbols** : Hazardous component(s) to be indicated on label.
- XN harmful** : Highly flammable
Harmful if swallowed.
Marine pollutant
Risk of serious damage to eyes
Keep out of reach of children
Avoid contact with skin and eyes
Avoid contact with sources of ignition
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Wear eye / face protection.

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.