



SAFETY DATA SHEET

UNIVERSAL COLOURANTS

Identification of the Substance / Preparation and Company

Product Details

Trade Name : Universal Colourants
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 : Aqueous Pigment Dispersion (Various)

Hazardous Ingredients : Non Hazardous
EINECS: 200-338-0
Cas Number: 000057-55-6
Hazard Symbols: Xn
R Phrases
22

Hazards Identification

Main Hazards

Hazard Rating (NFPA 325M)

Health : 0
Fire : 1
Reactivity : 0
Special : None

Hazard Rating Scales

0 = minimal
1 = slight
2 = moderate
3 = serious
4 = severe

USA TLV (TWA)	5 mg/m ³
Chemical Hazards	: May cause skin irritation. Harmful if swallowed. : Combustible. Flash point 230°C (open cup). Avoid all sources of ignition and powerful oxidizing agents.
Biological Hazards	: No data available.
Health Effects	
Eyes	: Liquid vapours and mists may irritate the eyes.
Skin	: No irritation is likely after brief contact but may be irritating after prolonged contact.
Ingestion	: None currently known.
Inhalation	: May irritate upper respiratory tract, particularly if used at high temperatures.
Carcinogenicity	: No data available
Mutagenicity	: No data available
Reproductive Hazards	: No data available

First Aid Measures

Eye contact	: Remove contact lenses if worn. Immediately flush with plenty of running water for at least 15 minutes lifting the upper and lower eyelids occasionally. If irritation still persists, seek immediate medical attention.
Skin contact	: Remove contaminated clothing and shoes. Wash the affected area thoroughly with soap and water. Rinse well with fresh water for 15 minutes. If irritation still persists, seek immediate medical attention. Wash all contaminated clothing before re-use
Ingestion	: If swallowed, do not induce vomiting. Rinse mouth with water. Seek urgent 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

Personal precautions	: Restrict access to area until completion of the cleanup. Ensure that the cleanup is conducted by trained personnel only. Wear protective equipment to prevent excessive skin contact, including rubber boots, rubber gloves, rubber apron and self contained breathing apparatus to the pressure demand mode or a supplied air respirator. Always wear eye protection.
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 government regulations in spill reporting, handling and disposal of waste.

Fire - Fighting Measures

- Extinguishing Media** : Extinguish with dry-chemicals or carbon dioxide. Water and foam may be ineffective. Cool exposed containers with water.
- Special Hazards***
- Flash point** : 230°C (open cup)
- Auto Ignition Temperature** : Not available
- Flammable limits** : Not available
- 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 below the TLV.
- 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	: Liquid
Odour	: Mild odour
pH	: Approximately 6 at 25°C Aqueous Suspension.
Boiling point / range	: 230°C at 0,5kpa i.e. carrier
Melting point / range	: Not applicable
Flash point	: 230°C (open cup)
Flammability	: % by volume: lower 0.28; upper N/D
Density	: 1.2 - 2.1 grams per cubic centimetre at 25°C
Solubility – Water	: Miscible at 25°C
Viscosity	: Approximately 510 millipascal second at 25°C

Handling And Storage

Suitable Materials	: Universal Colourants have no corrosive action on metals and can be stored or processed in mild steel, copper or aluminium containers.
Handling	: Store in a cool, well ventilated area away from sources of heat, flame or ignition.
Storage Precautions	Keep containers tightly closed. Isolate from incompatible materials. Wash thoroughly after handling. Do not get in eyes, on skin or on clothing.

Stability And Reactivity

Conditions to avoid	: Heat, flame, other sources of ignition.
Incompatible materials	: Strong oxidising agents, strong acids, strong bases, chlorine.
Stability	: Stable
Hazardous Decomp Products	: Carbon monoxide and carbon dioxide if combusted.
Hazardous Polymerization	: Will not occur

Toxicological Information

Exposure Limits	: 5 mg/m ³ (TWA)
Toxicity	: Acute oral LD50: Not available
Acute toxicity	: Eye and skin contact may cause irritation. Ingestion may cause adverse breathing effects. Inhalation may cause irritation of the respiratory tract.
Skin and eye contact	: Vapours from very hot material may irritate skin and eyes.

Sub-chronic toxicity : No human information available.
Carcinogenicity : This compound is not regulated as a carcinogen by OSHA

Disposal Considerations

Disposal Methods : Only under conditions approved by local authorities. (see also accidental release measures)
Disposal of packaging : Containers, even those that have been emptied, will retain product residue and vapours. Always obey hazard warnings and handle empty containers as if they were full.

Ecological Information

Aquatic Toxicity - Fish : No data available
Biodegradability : No data available
Bio-Accumulation : No data available
Mobility : No data available

Transport Information:

UN No : Not available
Substance Identity No. (SABS) : Not available
ADR/RID Class : Not available
ADR/RID Item No. : Not available
ADR/RID Hazard Identity No. : Not available
IMDG - Shipping Name : Universal Colourant
IMDG - Class : 9
IMDG - Packing Group : III
IMDG - Marine Pollutant : Not available
IMDG - EMS No. : Not available
IMDG - MFAG Table No. : Not available
IATA - Shipping Name : Not available
IATA - Class : Not available
IATA - Subsidiary Risk(s) : Not available
ADNR - Class : Not available
UK - Description : Not available
UK - Emergency Action Code : Not available
UK - Classification : Not available
Tremcard No. : Not available

Regulatory Information

Labelling : Hazard warning labelling compulsory

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.