



# MATERIAL SAFETY DATA SHEET

## IDENTIFICATION

### PRODUCT(S): UNICOLOUR 300 SYSTEM

- |                       |                      |                    |
|-----------------------|----------------------|--------------------|
| - 309 2K Epoxy Base   | - 341 White          | - 342 Yellow Ochre |
| - 343 Black           | - 344 Bright Blue    | - 345 Green Blue   |
| - 346 Violet          | - 347 Bright Red     | - 348 Magenta      |
| - 349 Bright Yellow   | - 350 Mid Yellow     | - 351 Scarlet      |
| - 352 Green           | - 353 Dark Red Oxide | - 381 Silver       |
| - 399 Flattening Base |                      |                    |

(This MSDS encompasses each one of the tinters listed above and any mixtures made from them.)

**Supplier:** Concept Paints  
**Address:** Lot 40 Charles Street St Marys 2760  
**Telephone Number:** +61 2 96732555  
**Emergency Telephone:** +61 2 96732555 (Monday to Friday 8am to 5pm)  
**Recommended Use:** Commercial and Industrial Coating

## HAZARDS IDENTIFICATION

### Classification:

- HAZARDOUS SUBSTANCE.
- DANGEROUS GOODS.
- TOXIC.

According to the criteria of ASCC/NOHSC and the ADG Code.

**Risk Phrases:** R20/21 Harmful by inhalation and in contact with skin. R36 Irritating to eyes. R38 Irritating to skin. R43 May cause sensitisation by skin contact. R45 May cause cancer. R10 Flammable.

**Safety Phrases:** S9 Keep container in a well-ventilated place. S16 Keep away from sources of ignition – No smoking. S23 Do not breathe gas/fumes/vapour/spray. S24/25 Avoid contact with skin and eyes. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 After contact with skin, wash with plenty of soap and water. S29 Do not empty into drains. S33 Take precautionary measures against static discharge. S37/39 Wear suitable gloves and eye/face protection. S41 In case of fire and/or explosion do not breathe fumes. S45 In the case of accident or if you feel unwell, seek medical advice immediately. S51 Use only in well ventilated areas. S53 Avoid exposure – obtain special instructions before use. S61 Avoid release to the environment.

## INGREDIENTS

Chemical Entity / Hazardous Component	CAS Numbers	Proportion by wt.
Bisphenol A Epoxy Resin	25068-38-6	30 - 60%
Methoxy Propyl Acetate	108-65-6	30 - 60%
Iron Oxide Fume	1309-37-1	30 - 60%
Titanium Dioxide	13463-67-7	30 - 60%
Xylene	1330-20-7	10 - <30%
1-Methoxy-2-Propanol	107-98-2	10 - <30%
p-Chlorobenzotrifluoride	98-56-6	10 - <30%
Aluminium Metal Dust	7429-90-5	10 - <30%
Methyl Isobutyl Ketone	108-10-1	<10%
Solvent Naphtha (petroleum), light arom.	64742-95-6	<10%
White Spirits (Stoddard Solvent)	8052-41-3	<10%
Carbon Black	1333-86-4	<10%

This product(s) also contains other ingredients, that are not classified as hazardous by ASCC/NOHSC criteria.

## FIRST AID MEASURES

### Route of Exposure    First Aid Measures

**Ingestion:**                      Give a glass of water. Do NOT induce vomiting. Place patients head downwards if vomiting occurs, to prevent it entering lungs .As aspiration of material into lungs can be fatal, causing chemical pneumonitis. Seek medical aid.

**Eye:**                                      Immediately irrigate with large quantities of water for at least 15 minutes. Seek medical advice.

**Skin:**                                      Wash exposed area thoroughly with soap and water. Remove contaminated clothing.

**Inhaled:**                                  Give fresh air, careful not to become a casualty yourself. Remove and loosen clothing. If breathing normally make patient comfortable and keep warm till recovered. If breathing is difficult ensure airways are clear and have a qualified person give oxygen from a face mask. If breathing has stopped commence (EAR), if cardiac arrest commence (CPR) and seek medical aid urgently.

**Advice To Doctor:**    Treat Symptomatically.

## FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Foam, Carbon Dioxide or Dry Chemical Powder.

**Hazards from Combustion Products:** If involved in a fire, toxic materials such as carbon monoxide, carbon dioxide, nitrogen oxide, isocyanate vapour, traces of hydrogen cyanide, hydrogen chloride gas, hydrogen fluoride gas and various chlorine and fluorine compounds and hydrocarbons may form.

**Precautions for Firefighters:** Heating can cause rupture of containers with explosive force. If safe do so, remove containers from the path of the fire and keep cool with water spray.

Firefighters should wear self contained breathing apparatus with a full face and operated in the positive pressure mode.

**Hazchem Code:** 3[Y]E

## ACCIDENTAL RELEASE MEASURES

**Emergency Procedures:** In the case of a spill extinguish all ignition sources and shut off the source of the spill. Ventilate the area and wear the correct Personal Protective Equipment.

**Containment:** Contain and absorb the spill with absorbent material such as sand, soil or vermiculite. Prevent its entry into drains. Transfer the material into drums, using non-sparking tools. Seal and label the drums. Contact the appropriate waste management authority for disposal.

## HANDLING AND STORAGE

**Handling:** Wear the correct Personal Protective Equipment when using this product. Only use in a well ventilated area or preferably apply the product in a spray paint booth with an adequate exhaust system.

Never eat, drink or smoke whilst handling this product. Always wash hands before smoking, eating, drinking or using the toilet.

**Safe Storage:** Store containers in a cool place and out of direct sunlight. Store in a well ventilated area and away sources of ignition, oxidising agents and/or foodstuffs. Keep containers tightly closed when not in use and check regularly for leaks.

## EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Exposure Limits:</b>	<b>TLV –TWA (mg/m<sup>3</sup>)</b>
Bisphenol A Epoxy Resin	N/A
Methoxy Propyl Acetate	274
Iron Oxide Fume	5
Titanium Dioxide	N/A
Xylene	350
1-Methoxy-2-Propanol	369
p-Chlorobenzotrifluoride	N/A
Methyl Isobutyl Ketone	205
Aluminium Metal Dust	10
Solvent Naphtha (petroleum), light arom.	N/A
White Spirits (Stoddard Solvent)	790
Carbon Black	3.0

**Engineering Controls:** Ensure sufficient ventilation to maintain concentration below exposure standard. Only use in a well ventilated area or preferably apply the product in a spray paint booth with an adequate exhaust system. Keep containers sealed when not in use. Earth any mixing vessels when using this product.

**Personal Protection:** Skin contact should be avoided by wearing impervious work clothing, boots and Neoprene or PVC gloves. Eyes should be protected by chemical goggles or safety glasses fitted with side shields. If an inhalation risks exists, an organic vapour respirator or a self contained breathing apparatus with a full face and operated in the positive pressure mode, should be used. Ensure cartridges are correct for the potential air contamination.

## PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Viscous liquid of any colour.
Odour:	Strong solvent odour.
pH:	Not applicable.
Vapour Pressure:	8 kPa @ 20°C
Vapour Density:	Not Available
Boiling Point Range:	116 – 145 °C
Melting Point:	Not Applicable
Solubility In Water:	Not Available
Specific Gravity:	1.00 – 2.00
Flammability Limits:	1 (LEL) to 13.8% (UEL) by volume
Flash Point:	18 °C (Closed Cup)

## STABILITY AND REACTIVITY

**Chemical Stability:** Stable under ordinary conditions of use and storage.

**Conditions to Avoid:** Avoid all ignition sources.

**Incompatible Materials:** None

**Hazardous Decomposition Products:** If involved in a fire, toxic materials such as carbon monoxide, carbon dioxide, nitrogen oxide, isocyanate vapour, traces of hydrogen cyanide, hydrogen chloride gas, hydrogen fluoride gas and various chlorine and fluorine compounds and hydrocarbons may form.

**Hazardous Reactions:** Not Applicable.

## TOXICOLOGICAL INFORMATION

### Acute Health Effects:

**Ingestion:** Can result in headaches, nausea, vomiting and diarrhoea.

**Eye:** Will cause discomfort and may cause redness, itching or blurred vision.

**Skin:** May cause irritation to skin.

**Inhaled:** Vapour concentrations above exposure limits may be irritating to the eyes and respiratory tract, may cause headaches and dizziness. Prolonged exposure may result in unconsciousness.

### Chronic Health Effects:

**Ingestion:** May cause irritation to the mucous membranes of the digestive system. May result in damage to the liver and kidney, blood disorders and may affect the central nervous system.

**Eye:** May cause redness, tearing or blurred vision.

**Skin:** May cause dermatitis and eczema.

**Inhaled:** Vapour concentrations above exposure limits may cause irritation to the mucous membranes of the respiratory system. May result in damage to the liver and kidney, blood disorders and may affect the central nervous system.

## ECOLOGICAL INFORMATION

Prevent the entry of this product and any chemically contaminated water into drains. Dispose of any contaminated water and soil in accordance with the relevant waste management authority.

## DISPOSAL CONSIDERATIONS

Contact the relevant waste management authority. Normally suitable for incineration by an approved agent.

## TRANSPORT INFORMATION

UN Number:	1263	DG Class:	3
Shipping Name:	PAINT	Subsidiary Risk:	
Packaging Group	II	Hazchem	3[Y]E

## REGULATORY INFORMATION

Poisons Schedule: Schedule 5

## OTHER INFORMATION

Date of Issue: 29/06/10  
Replaces Issue Dated:

The above information has been presented in good faith and is accurate to the best of our knowledge, at the time of preparation. All of the information supplied herein is related only to the health and safety issues of the product. Users should assume all responsibility for its use, as the conditions under which this product is used are beyond our control. For technical information on the use of this product users should consult the appropriate Technical Data Sheet.

**END OF MSDS**