



## **MATERIAL SAFETY DATA SHEET**

Date of Issue – 05/07/16
Revision – 1.0

## **PRODUCT IDENTIFICATION AND SUPPLIER**

**Name:** DIAMOCOLOUR PIGMENTED TOPCOAT

**PRODUCT CODE:** 427

**APPLICATION:** 427 Diamocolour is an alkyd modified nitrocellulose air-drying lacquer. Diamocolour has been specifically formulated for spray application on industrially manufactured timber furniture. Formaldehyde free.

**SUPPLIER:** Superior Timber Coatings  
13/257 Colchester Road  
Kilsyth Vic 3137  
Contact Details: 03 9761 6899

## **ROAD AND TRANSPORT CLASSIFICATION**

**UN No:** 1263

Paint (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)

**D.G:** 3

**HAZCHEM:** 3[Y]E

**P.G:** II

## **HAZARD IDENTIFICATION**

Hazardous according to criteria of Safe Work Australia



## **GHS CLASSIFICATION**



**Signal Word**

**Danger**

## **HAZARD CLASSIFICATIONS**

Flammable Liquids	Category 2
Aspiration Hazard	Category 1
Acute Toxicity-Dermal	Category 4
Acute Toxicity- Inhalation	Category 4
Skin Corrosion/Irritation	Category 2
Eye Irritation	Category 2A
Specific Target Organ Toxicity (Single Exposure)	Category 3 Narcotic Effects

## **HAZARD STATEMENTS**

H225 Highly flammable liquid and vapour  
H302 Harmful if swallowed  
H304 May be fatal if swallowed and enters airways.  
H312 Harmful in contact with skin  
H315 Causes skin irritation.  
H319 Causes serious eye damage  
H332 Harmful if inhaled  
H336 May cause drowsiness or dizziness.  
H373 May cause damage to organs

## **PREVENTION PRECAUTIONARY STATEMENTS**

P201 Obtain special instructions before use  
P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking  
P260 Do not breathe dust/fume/gas/mist/vapours/spray  
P271 Use only outdoors or in a well-ventilated area  
P281 Use personal protective equipment as required  
P240 Ground/bond container and receiving equipment  
P241 Use explosion-proof electrical/ventilating/lighting/intrinsically safe equipment  
P242 Use only non-sparking tools



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- P243 Take precautionary measures against static discharge  
P270 Do not eat, drink or smoke when using this product  
P272 Contaminated work clothing should not be allowed out of workplace  
P273 Avoid release to the environment  
P280 Wear protective gloves/protective clothing/eye protection/face protection

## **RESPONSE PRECAUTIONARY STATEMENT**

- P101 If medical advice is needed, have product container or label at hand  
P304+340 If INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
P312 Call a POISON CENTRE or doctor/physician if you feel unwell  
P302+352 IF ON SKIN: Wash with soap and water  
P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
P363 Wash contaminated clothing before reuse  
P333+313 If skin irritation or a rash occurs: Get medical advice/attention  
P370+378 In case of fire: Use alcohol resistant foam for extinction

## **STORAGE PRECAUTIONARY STATEMENTS**

- P405 Store locked up  
P403+235 Store in a well ventilated place. Keep cool

## **POISONS SCHEDULE (AUST)**

S5

## **PHYSICAL DATA**

- Appearance:** Milky pale yellow liquid  
**Odour:** Odour of Hydrocarbons  
**Specific Gravity:** 0.90 – 1.00 Kg/lit  
**Percent volatile by volume:** 60 – 70%  
**Solubility in water g/l:** None

## **FIRE AND EXPLOSION HAZARD DATA**

**Highly Flammable**

**Flash point (°C):** Below 0 Degrees C

**Extinguishing Media:** Dry chemical, foam or CO2

## **FIRE AND EXPLOSION HAZARDS:**



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Vapour is heavier than air, will accumulate in depressions and will form explosive mixtures with air. Vapour may travel a considerable distance to source of ignition. Vapours are very dangerous in enclosed spaces, which are poorly ventilated. Highly flammable, keep away from naked flame, spark or heat source.

Store cans away from oxidizing agents.

On combustion, may emit toxic fumes and acrid smoke.

## **REACTIVITY DATA**

STABLE	X
UNSTABLE	

### **Materials to avoid:**

Strong oxidizing agents

### **Hazardous Decomposition Products:**

Carbon dioxide and monoxide.

### **HAZARDOUS POLYMERISATION:**

Will not occur

### **National occupational exposure limit:**

None assigned for this product by Safe Work Australia. However the following list of raw materials may serve as a guide.

## **INGREDIENTS**

Composition by weight %	1-10	10-30	30-60	>60	Balance	CAS RN	TWA PPM	STEL PPM
Non Hazardous Ingredients					X		Non hazardous	Non hazardous
n-butyl acetate	X					123-86-4	150	200
n- butanol	X					71-36-3	50	N/A
M.I.B.K.	X					108-10-1	50	75
M.E.K.	X					78-93-3	150	300
PGMA	X					108-65-6	50	100
Xylene		X				1330-20-7	100	150

## **HEALTH HAZARD AND TOXICOLOGY DATA**

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and product label. Symptoms or effects that may arise if the product is mishandled or in the event of over exposure are as follows:-



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## EFFECTS OF EXPOSURE

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**EYES:** Highly irritant, which may lead to, pronounced inflammation and conjunctivitis. Damage to the cornea may result in permanent vision impairment if not treated promptly.

**SKIN:** May cause skin irritation after prolonged or repeated exposure, which may lead to contact dermatitis.

**INHALATION:** Mild irritation to upper respiratory tract may become more pronounced at elevated temperatures. More severe effects from inhalation of high concentrations of vapour include; pulmonary irritation, coughing, headache, nausea and central nervous system depression which can lead to loss of co-ordination, impaired judgement and if exposure is prolonged, unconsciousness. Pre-existing respiratory illness such as asthma, bronchitis or emphysema etc may be aggravated if inhaled.

**INGESTION:** Gastrointestinal irritation may cause nausea, pain and vomiting. Vomit entering the lungs by aspiration may cause potentially lethal chemical pneumonitis.

## FIRST AID

**EYES:** Flush eyes with water for at least 15 minutes. Ensure irrigation under both eyelids is achieved. Transport patient to hospital or doctor immediately. Do not attempt to remove contact lenses, this should only be undertaken by skilled personnel.

**SKIN:** Remove contaminated clothing.  
Wash affected areas thoroughly with soap and water. Do not wash with solvent. If irritation occurs seek medical attention.

**INHALATION:** Move patient to fresh air away from contamination source and remove contaminated clothing. Allow patient to assume most comfortable position and keep warm. If breathing is shallow or has stopped, ensure clear airway and apply resuscitation. Seek immediate medical attention.



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## **INGESTION:**

If swallowed do not induce vomiting. Wash mouth with water. Give water to drink to dilute stomach contents. If vomiting occurs, place victim's head downward, head lower than hips to prevent vomit entering lungs. Seek immediate medical attention.

## **SAFETY PROTECTION INFORMATION**

### **ENGINEERING CONTROLS:**

Use in a well-ventilated area, under normal conditions general exhaust is adequate. Spraying should be done in accordance to local state regulations. All electrical fittings and appliances including power outlets, lighting and exhaust extraction must be intrinsically safe and in accordance to class 1 zone 1 Australian Standards, this is also required where painted surfaces are drying as evaporating flammable solvents are given off for some time and may accumulate in enclosed areas. Keep containers closed when not in use. Do Not enter confined spaces where vapour may have collected.

### **PERSONAL PROTECTION**

**INHALATION:** Wear an Australian Standard Approved respirator. The selection of class and type will be dependent on level of air-borne contaminant and chemical type. For general use with adequate ventilation, an organic vapour respirator is sufficient. In conditions where high levels of exposure to spray mist and vapour are present with poor ventilation, wear full-faced air supplied breathing apparatus.

**EYES:** Chemical goggles or safety glasses with side shields. Do not wear contact lenses as they absorb and concentrate irritants.

**HANDS:** Wear chemical resistant gloves such as rubber, PVC, nitrile or neoprene. Do not wash hands with solvent; use industrial hand cleansing cream or soap and water.

**CLOTHING:** Wear protective clothing that minimises the risk of skin contamination. Wear safety footwear.

### **TOXICITY DATA**

No data listed for product however for individual raw materials as follows:



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## **n butyl acetate**

Dermal (rabbit) LD50: >14080 mg/kg  
Inhalation (rat) LC50: 2000 ppm/4hr  
Oral (rabbit): 7400 mg/kg  
Oral (mouse) LD50: 14,000 mg/kg

Ref suppliers SDS

## **n-butanol**

Dermal (rabbit) LD50: 3400 mg/kg  
Inhalation (rat) LC50: 8000 ppm/4hr  
Oral (rat) LD50: 800 mg/kg

Ref suppliers SDS

## **MIBK**

Dermal (rabbit) LD50: >10 ml/kg  
Inhalation (rat) LC50: 2000- 4000 ppm/4hr  
Oral (rat) LD50: 2080 mg/kg

Ref suppliers SDS

## **MEK**

Dermal (rabbit) LD50: >2000 mg/kg  
Inhalation (rat) LC50: 34.5 mg/Lt/4hr  
Oral (rat) LD50: >2000 mg/kg

Ref suppliers SDS

## **PGMA**

Dermal (rat) LD50: >5000 mg/kg  
Inhalation (rat) LC50: 4345 ppm/6hr  
Oral (rat) LD50: 6190 mg/kg

Ref suppliers SDS

## **XYLENE**

Dermal LD50: >1000 mg/kg  
Inhalation LC50: >10mg/lit  
Oral LD50: >2000 mg/kg

Ref suppliers SDS

**Germ cell mutagenicity:** Not mutagenic

**Carcinogenicity:** Not expected to be carcinogenic

**Reproductive and developmental Toxicity:** Not a developmental toxicant  
Does not impair fertility

## **Ecological Information**

Avoid contaminating waterways.





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Acute aquatic Hazard:	No information available for product
Long-term aquatic Hazard:	No information available for product
Ecology Toxicity:	No information available for product
Persistence and degradability	No information available for product

Bio-accumulative potential: Based on individual raw materials, not expected to bio-accumulate

## **SPILL AND CLEAN UP PROCEDURES**

Remove possible sources of ignition. Avoid breathing vapour and contact with skin and eyes. Wear appropriate safety equipment.

- Absorb all spills with a dangerous goods approved absorbent material such as sand, vermiculite etc. Place in an **Australian Standard Approved** flammable goods waste bin and add equal volume of water. Dispose of through an approved dangerous good waste management contractor.  
Do not permit spilled material to flow into sewer or natural waterway.
- Place 'all spray booth' dry waste including dirty rags, overspray dust, sweepings, paint film etc in an **Australian Standard Approved** flammable goods waste bin and add equal volume of water.
- Recycle all liquid waste including paint sludge and dirty thinners when possible, otherwise place in a suitable dangerous goods approved container and dispose of through an approved dangerous goods liquid waste contractor.





## DISPOSAL PRECAUTIONARY STATEMENTS

**DISPOSAL RECOMMENDATION:**

Recycle where possible; dispose of empty vented containers through a metal recycler or at an authorised landfill.

## STORAGE AND TRANSPORT

Store cans in a well-ventilated area away from sources of ignition such as, open flames, heat sources, electrical arc, etc. Store cans away from oxidising agents, foodstuffs and clothing. Keep containers closed securely when not in use. No smoking

## CONTACT

Superior Timber Coatings 03 9761 6899



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