

MATERIAL SAFETY DATA SHEET**STATEMENT OF HAZARDOUS NATURE:**

Hazardous according to criteria of Worksafe Australia

IDENTIFICATION

Product Name:	MONOTEK® Pigment / Universal colourant
Other Names:	Concentrated pigment liquid / paint
UN Number:	1263
Dangerous Goods & Sub Risk Class	3
Hazchem Code:	3 (Y) E
Packaging Group:	II
Poison Schedule (S.U.S.D.P.):	

Use: Universal pigment concentrate for solvent based/ solventless coating systems. Used in industrial floorings, toppings and general protective coatings.

Physical Description & Properties:

Appearance - Form: Liquid **Colour:** various colours **Odour:** Solvent / paint like / mild

Change in Physical State:

Boiling Point	100 ⁰ – 200 ⁰ degrees C.
Vapour Pressure	greater than one (1).
Specific Gravity	1.2
Flash Point	-1 ⁰ degree C (Closed cup- Literature Valve)
Flammable Limit LEL	Same as Explosive Limits
Explosion Data	Lel 1.0 Del 7.0

OTHER PROPERTIES

Auto-ignition Temp	25 Degrees C
Form	Liquid
Formula	Pigments/Extenders > 600 % w/v Synthetic Resins 10 – 30 % w/v Solvents 30 – 60 % w/v Additives < 10% w/v
pH-value (n.a.g/IH20) (20 ⁰ C)	n.a.
Other Information	Solubility in water: immiscible

Hazards Identification:

Hazardous according to criteria of Worksafe Australia.
Highly flammable. Irritating to eyes, respiratory system and skin. May cause sensitization by skin contact.

Typical Ingredients:

Component	CAS Number	Content
Liquid Aliphatic Hydrocarbons	Not known	10 – 30%
Inorganic Pigments	103-11-7	20 – 60%
Toluene	108-88-3	10 – 30%

**D P J COATINGS SYSTEMS Pty Ltd**

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Product Name: MONOTEK Pigment Concentrate

Issued: 01/06/2012

Page 1 of 4

This MSDS summarises, to our best knowledge at the date of issue, the health and safety hazards of the product and provides general guidance on how to safely handle it in the workplace. Since D.P.J. Coating Systems Pty Ltd cannot anticipate all the conditions and situations under which the product may be used, each user must, prior to use, assess and control the risks arising from the use of the product.

HEALTH HAZARD INFORMATION**Health Effects :**

Acute Ingestion	Moderately toxic. May be harmful if swallowed
Acute –Eye	May be an eye irritant
Acute-Skin	Contact with skin may result in irritation due to defatting of the skin Repeated and prolonged skin contact may lead to dermatitic effects and Sensitization.
Acute Inhalation:	Harmful by inhalation (R30) May cause irritation to the mouth, Throat,nose, lungs ,mucous membranes and respiratory tract. Prolonged Inhalation may cause dizziness,nausea,headaches and vomiting.
Chronic	Not known for this product.

FIRST AID

Ingestion	If swallowed DO NOT induce vomiting because of the risk of aspiration. Give a glass of water to drink.Seek medical assistance.
Eye	If in eyes, hold eyes open, flood with water for at least 15 minutes And see a doctor if any irritation occurs. Remove contact lenses if worn.
Skin	Wash affected area with soap and plenty of water. If irritation occurs seek medical attention. Remove contaminated clothing and wash before re use.
Inhalation	Remove from exposure. Apply artificial respiration if not breathing
Other Information:	Clean water Supply, Barrier Cream ,soap[and Eye Wash Stations should there be a risk of splashing.
Advice to Doctor	Consult the Poisons Information Centre. Treat the patient symptomatically
Other Health Hazard Information	

PRECAUTIONS FOR USE

Exposure Limits	Name	STEL	TWA
	Toluene mg/m3	ppm	mg/m3 ppm TWA Footnote
			377 100

Other Exposure Info. The substances in this product have been assessed by using the Worksafe AUSTRALIA List of designated Hazardous Substances- Approved Criteria for Classifying hazardous Substances.

TWA (as Toluene) is 100 ppm / 375 mg/m3

TWA (as Liquid Aliphatic Hydrocarbons) is not known

Engineering Controls: Use in well-ventilated area. Air Circulation must be sufficient to prevent the likelihood of breathing the spray mist or vapour.

PERSONAL PROTECTION

PROTECTIVE EQUIP.	Avoid all contact with eyes (8 250, skin 9 24) and inhaling the Vapour (8 23). The use of barrier cream is beneficial. Wearing: - The wearing of air protective devices when applying by Conventional spray, complying with AS 1270 is recommended. Inhalation:- The wearing of an Organic Vapour – Particulate Respirator (Type A Class 2 p20 complying with AS – NZS 1715/16 is recommended when spraying the liquid paint, or if the ventilation is inadequate. Skin: The wearing of PVC, Nitrile or Neoprene Gloves complying with AS 2161 is recommended. Protective Clothing;- It is recommended that personnel in contact with the Product, wear antistatic clothing made on natural fibre or of high Temperature resistant synthetic fibre complying with AS 2919.
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Page 2 of 4

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Footwear: - The wearing of occupational protective footwear at all times, Complying with AS-NZS 2210 is recommended.

Eye Protection: - Where splashing of spray mist is likely to occur, the Wearing of Safety Glasses with side shields or chemical splash goggles Complying with AS – NZS 1337 is recommended.

Flammability

Fire Hazards:

Highly Flammable liquid (R 11). Avoid all ignition sources, sparks, static Electricity, naked flames, welding and heat (S15,S16,S33).

Other Precautions

Dampen all cloths and rags with water prior to disposal. DO NOT incinerate Empty containers.

SAFE HANDLING INFORMATION

Storage and Transport

Storage Precautions

Storage:- containers should be clearly labelled, strong and rigid, and Stored upright in a cool, dry, well ventilated area away from all sources of Heat and sunlight, i.e. Flammable Goods Store.

Transport:- Classified by the latest edition ‘Australian Code for the Transport of Dangerous Goods by Road and Rail’ as PAINT or PAINT RELATED MATERIAL, (I) immiscible with water, HAZCHEM 3(Y) E, G.T.EPG 3C1, CLASS 3, Packaging Group 11. Transport in original containers, and ensure ALL Containers are securely sealed and protected against physical damage, PAINT or PAINT RELATED MATERIAL

Ship, Name 9(CEN)

SPILLS AND LEAKS:

Spills

For both small and large spills, remove all sources of heat and Ignition, DO NOT SMOKE during the clean up procedure. Use sand or earth to Absorb spillages but NOT sawdust, Contain – prevent contamination to Waterways and sewage. Collect and seal in properly labelled containers for Disposal.

DISPOSAL:- Contact the Local Statutory Authorities for advice regarding Approval methods for disposing of both liquid waste and empty containers.

Fire/Explosion Hazard

Fire/Explos.Hazards Hazardous Decomposition Products on Burning;- Carbon Oxides, and smoke and Soot.

Recommended Fire Extinguishers:- Carbon Dioxide (CO2), alcohol resistant Foam, dry chemical or water spray. DO NOT USE WATER JET.

Other precautions:- Fire fighters to wear self – contained breathing Apparatus if risk of exposure to products of decomposition/ Vapours are Heavier than air, and may travel along the ground, gathering in depression, Resulting in Oxygen deficiency. Evacuation may be necessary.

Hazardous Reaction

Hazchem Code

Stable at normal temperatures.

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OTHER INFORMATION

Toxicology

From the available Toxicity Data (SAX, 7TH EDITION) in the product, the Animal values as follows:-

SUBSTANCE(S)

ORAL LD50

DERMAL LD50

INHALATION LC50

(mg/kg)

(mg/kg)

(ppm/4 Hours).

Toluene

(rat) 5000

(rabbit) 12120

(rat) 8800

(mg/L- 33.2)



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Page 3 of 4

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Environ. Protection	Non – biodegradable. Avoid contaminating waterways including sewage (S 29). May be Hazardous to the environment.
Pkg. & Labelling	Not Applicable.
Manufacturers	Read carefully and understand Material Safety Data Sheets, Label Advice instructions and Technical Bulletins before using this product.

Other Information Key to Abbreviations:-

Milligram/cubic metre	= mg/m ³	Lower Explosive Limit	= Lel
Parts per million	= ppm	weight/ volume	=w/v
Milligram/kilogram	=mg/kg	Upper Explosive Limit	=Uel
Weight/weight	=w/w	calculate	=ca
Time Weighted Average	=TWA	milligram/Litre	=mg/L
n.a.	= Not Applicable		

Further Information:

Contact Point: Mr. Craig Jones (03) 9720 8777



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