

Material Safety Data Sheet

Material Name: LPC 070 DARK BROWN

Last modified: 3 July 2009

Section 1 - Identification of Material and Supplier

Product Name Liquid Painting Colour Dark Brown
Other Names LPC 070
LPC Dark Brown
Recommended uses Ceramic underglaze, for the decoration of ceramic ware

Supplier's Name Clayworks Potters Supply Pty Ltd
Supplier's Address 6 Johnston Court
Dandenong, Vic
Australia 3175

Phone Number (03) 9791 6749
Emergency Contact Number (03) 9791 6749 **Times available** 9am-5pm Mon-Fri
Contact Person Max Campbell

Section 2 - Hazards Identification

Hazard Classification

Classified as hazardous according to the criteria of the NOHSC.
Not classified as dangerous goods according to the ADG Code.

Risk Phrases

R43 – May cause sensitisation by skin contact
R49(1) – May cause cancer by inhalation

Safety Phrases

S45 – In case of accident or if unwell, contact a doctor or Poisons Information Centre immediately (show the label where possible)
S53 – Avoid exposure – obtain special instructions before use

Hazard Category

T Toxic

Section 3 - Composition/Information on Ingredients

CAS number	Chemical Component	Percent
	Nickel compounds (insoluble)	0-5%
1313 – 99 – 1	Nickel Monoxide	0.05-0.5%
	Other ingredients determined not to be hazardous	balance

Section 4 - First Aid Measures

Necessary First Aid Measures:

inhalation

This method of entering the body is unlikely. If it occurs, immediately move the victim to fresh air or remove the source of contamination. Ensure airways are clear and if breathing is restricted allow qualified person to administer oxygen through a face mask. If not breathing apply artificial respiration. Seek medical attention if irritation develops and persists.

skin exposure

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Wash affected area gently and thoroughly with water and non-abrasive soap. Wash or discard contaminated clothing before re-using. If irritation occurs seek medical attention immediately.

eye exposure

Immediately flush eyes with a large amount of water for at least 15 minutes, ensure eyelids are held open. Rubbing may cause abrasion of cornea. If pain or redness occurs seek medical advice.

ingestion

Do not induce vomiting, wash the victims mouth out thoroughly with water. Except by a deliberate act the ingestion of large amounts of this product is unlikely.

advice to doctor

Treat symptomatically

other information

For advice contact:

Poisons Information Centre

Australia.....131 126

New Zealand.....03 4747 000

Section 5 - Fire Fighting Measures

Suitable Extinguishing Media

Use extinguishing media suitable for the surrounding environment.

Hazards from Combustion Products

While in liquid form non-flammable, non-combustible. If involved in a fire and water is evaporated residue may be combustible. May release harmful or toxic gases.

Precautions for Fire Fighters and special Protective Equipment

Wear a NIOSH approved positive pressure, self contained breathing apparatus and fire fighter turnout gear. Consider evacuation of the immediate area.

Section 6 - Accidental Release Measures

Emergency Procedures

Increase ventilation and remove all unnecessary staff. Wear a NIOSH approved positive pressure, self contained breathing apparatus and fire fighter turnout gear to minimise exposure.

Contact State Land Waste Management Authority (Victoria; (03) 615 6099)

Methods & Materials for Containment & Clean Up Procedures:

Contain spillage by damming and cover with non-combustible, non-reactive absorbent material. Do not let the spilled substance enter the environment

Large spills

If large quantities do enter the environment contact the State Land Waste Management Authority (Victoria; (03) 615 6099)

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Section 7 - Handling & Storage

Precautions for Safe Handling

Avoid contact with skin and eyes. To minimise the possibility of harm avoid repeated or prolonged exposure without protection. Strict maintenance of personal hygiene standards are essential; hands should be washed prior to eating, drinking, smoking or going to the toilet.

Conditions for Safe Storage:

Store in a cool, dry, well ventilated place. Keep lid tightly closed when not in use. Store away from excessive heat, strong oxidising agents, strong acids, food and feedstuffs. Keep container tightly closed to avoid contamination or leakage.

Section 8 - Exposure Controls/Personal Protection

National Exposure Standards

TLV:TWA: Nickel, metal 7440-02-0 1mg/m³ WSA

Biological Limit Values

None allocated

Engineering controls

Maintain dust levels below the exposure standard

Personal Protective Equipment

Eyes/Face

Safety glasses, goggles or faceshield as appropriate

Skin

Protective clothing and PVC or rubber gloves should be worn if skin contact is likely while working with this material. Open shoes should not be worn.

Respiratory

Avoid inhaling vapours/mist. If ventilation is inadequate wear a mask which complies with government standards.

General

An eye wash fountain is recommended.

Section 9 - Physical & Chemical Properties

Appearance	Dark brown liquid		
Odour	Odourless		
pH	Not Available		
Vapour Pressure	Not Applicable		
Vapour Density	Not Applicable		
Boiling Point	100°C	Melting Point	Not Applicable
Solubility	Aqueous suspension	Solvent	Water
Specific Gravity	1.2 – 1.7		
Flammable limits			
LEL:	Not applicable		
UEL:	Not applicable		

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Section 10 - Stability & Reactivity

Chemical Stability

Stable under normal ambient conditions of storage

Conditions to Avoid

Avoid contact with strong oxidisers, acids, excessive heat, sparks or open flame.

Incompatible Materials

Strong oxidising agents, acids and heat.

Hazardous Decomposition Products

In the event of fire, may produce harmful or toxic fumes

Hazardous Polymerisation

Will not occur.

Section 11 – Toxicological Information

Acute & Chronic Health Effects

Possible Routes of Exposure:

Ingestion

May cause irritation to the mouth, oesophagus and stomach. Symptoms may include nausea, vomiting and abdominal pains. The product is of low solubility in the body and therefore likely to be of low acute toxicity. As a result the ingestion of small quantities is unlikely to pose a severe health risk. However the ingestion of large or repeated doses may lead to chronic health effects.

Skin

May cause redness and itching. Repeated exposure to nickel compounds may cause irritation and some people may be allergic to them causing long-lasting sensitivity.

Eye

May cause irritation resulting in redness, stinging and lachrymation

Inhalation

Very unlikely route of exposure. Excessive exposure may cause symptoms of bronchitis or asthma. Sensitisations may occur.

Chronic effects

Repeated or prolonged exposure may cause skin irritation and dermatitis. Specific nickel compounds can cause cancer in test animals, but there is no known link between products of this kind and cancer in humans.

Section 12 - Ecological Information

Ecotoxicity

Not available for this material

Persistence/ Degradability

Not available for this material

Mobility

Not available for this material

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Section 13 – Disposal Considerations

Disposal Methods

Consult regulations of state and local EPA to ensure proper disposal

Section 14 – Transport Information

Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

UN Number	None Allocated
UN Proper Shipping Name	None Allocated
Class & Subsidiary Risk(s)	None Allocated
Packing Group	None Allocated

Section 15 – Regulatory Information

Component Classification and Labelling (EEC)

The following components have labelling requirements under Council Directive 67/548/EEC, Annex I.

Nickel (7440-02-0)

Classification:

Harmful (Xn)

Carcinogen Category 3

Label Information:

Harmful (Xn)

R40 - Possible risk of irreversible effects

R43 - May cause sensitisation by skin contact.

S20/21 – When using do not eat, drink or smoke

S22 – Do not breathe dust

S45 – In case of accident or if unwell contact a doctor or Poisons Information Centre immediately (show the label where possible)

S53 – Avoid exposure – obtain special instructions before use.

Section 16 – Other Information

Date of Preparation

3 July 2004

Key/Legend

ACGIH – American Conference of Governmental Hygienists

NTP – National Toxicology Program

OSHA – Occupational Safety and Health Administration

TWA – Time Weighted Average (Concentration of a substance over an eight hour day, for five working days a week over an entire working lifetime)

TLV – Threshold Limit Value

References

www.ncbi.nlm.nih.gov	3/07/04
www.nohsc.gov.au/OHSinformation/Databases/HazardousSubstances	3/07/04
www.cdc.gov/niosh	3/07/04
www.minerals.csiro.au/safety/hazchem.htm	3/07/04

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END OF MSDS