

CAM Products
 66 Marigold Street
 Revesby NSW 2212
 Australia
 Ph + 61 2 9117 1600 Fax + 61 2 9792 2403

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: CAM Purple Haze Dye Coat
 Product Code: CPH4
 Product Use: To be used as a coloured coating on metals, making it possible to scratch easily visible pattern into the surface.

New Zealand Supplier: R A Johnstone & Co Ltd
 Address: 5 Ryan Place
 Manukau City
 Auckland

Telephone: 09 261 0333
 Fax Number: 09 261 0330

Emergency Telephone: 0800 POISON (0800 764 766)

Date of MSDS Preparation: 27 June 2008

Section 2. Composition / Information on Ingredients

Ingredients	Proportion (% mass)	CAS Number
Ethanol	80	64-17-5
Dyestuff		8004-87-3

Section 3. Hazards Identification

Hazardous Substance. Dangerous Goods
 Classified as hazardous according to the criteria of NOHSC, and Dangerous goods according to the Australian Dangerous Goods Code.

Potential Health Effects



Swallowed	Headache, dizziness, dullness, gastric disorders and symptoms of central nervous system depression
Eyes	May injure tissue, severely irritating.
Skin	Moderately irritating to the skin. Repeated and prolonged contact may lead to dermatitis.
Inhalation	Moderately irritating to respiratory tract and mucous membranes. Chronic exposure to the vapour may result in headache and symptoms of central nervous system depression. Nasal and eye irritation may occur at concentrations in the air well below the TLV.

Section 4. First Aid Measures

Routes of Exposure:

Eye	Immediately flush eyes with large amounts of water for at least 10 minutes while holding eyes open. Transport to the nearest medical facility for additional treatment.
Skin	Remove contaminated clothing. Flush exposed area with water and follow up by washing with soap if available.
Ingestion	Give plenty of water to drink. Induce vomiting in conscious person by giving syrup of Ipecac. Seek medical advice if necessary.
Inhalation	Remove to fresh air. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.

Section 5. Fire Fighting Measures

Suitable Extinguishing media	Alcohol resistant foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.
Fire and Explosion hazards	Flammable liquid. Vapour accumulation could flash and/or explode if ignited
Fire Fighting Instructions	Fire fighters must use recommended protective equipment and self-contained breathing apparatus. Hazchem Code 2YE

Section 6. Accidental Release Measures

Land Spill or Leaks Evacuate spill area and eliminate all ignition sources. Report spill to fire brigade. If possible remove leaking containers to a detached area wearing approved respirator and personal protection equipment. Bund spill area with inert material. Avoid contact with skin and eyes. Do not breathe vapour. Extinguish naked flames. Remove ignition sources. No smoking. Evacuate the area of all non-essential personnel. Shut off leaks, if possible without personal risk. Wear full-face respirator with canister and filter

Section 7. Handling and Storage

Handling Advice: Store away from heat and open flames. Store at ambient temperatures. Keep containers tightly closed and in a well-ventilated place

Storing Procedures: Store away from heat and open flames. Store at ambient temperatures. Keep containers tightly closed and in a well-ventilated place. Do not store alongside food or feedstuffs or near oxidising agents.

Section 8 Exposure Controls / Personal Protection

Engineering Controls: Use only in well ventilated area. Eliminate sources of static buildup. Earth bulk containers.

Personal Protective Equipment: Wear half face respirator with organic vapour cartridge with built-in particulate filter NPF20 (gas only). Chemical monogoggles, PVC gloves, chemical resistant safety shoes or boots and standard issue work clothes should be worn

Section 9 Physical and Chemical Properties

Physical State: Purple Liquid
 Colour: Purple
 Odour: Characteristic
 Solubility in water, % mass: 100 at 20C Completely miscible
 Relative Vapour Density (air=1): 1.59 at 20C
 Boiling point: 78.3°C :
 Ignition Point: °C
 Flash Point : 13°C
 Specific Gravity: 0.80
 Vapour Pressure@ 20°C, 58.1 Mbar at 20C
 Volatiles: 80%

Section 10. Stability and Reactivity

Chemical Stability	Stable under normal conditions of use.
Conditions to Avoid	Store away from heat and open flames. Store at ambient temperatures. Keep containers tightly closed and in a well-ventilated place
Incompatibility	Strong oxidizers. Flammable gases, explosives
Hazardous Decomposition Products	None expected under normal conditions of use.

Section 11 Toxicological Information

Acute Oral Toxicity	Low toxicity LD50 (rat) >2000 mg/kg (calculated from mixture rule) Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.
Acute Dermal Toxicity Inhalation	Low toxicity LC50 (rat) expected to be >2000 mg/l. Low toxicity LC50 (rat) expected to be >20 mg/l. May cause headache, dizziness, nausea and narcosis
Long term Effects	Low systemic toxicity on repeated exposure.

Section 12. Ecotoxicological Information

Environmental Precautions:

Ecological Toxicity *Readily biodegradable not expected to bioaccumulate significantly*

Environmental Fate:

Soil *If product enters soil, it will be mobile and may contaminate groundwater*

Water *Readily biodegradable*

Environmental Exposure Limits EEL_{water} Not set

Section 13. Disposal Considerations

Dispose of waste at an appropriate waste disposal facility in accordance with local authority bylaws.

Empty and open containers can retain vapour residues for long periods of time risking unintended ignition or explosion. Puncture or crush before sending to a landfill.

Section 14	Transport Information
-------------------	------------------------------

Road, Rail, Marine and Air Transport

UN No	: 1170
Class-primary	: 3
Packing Group	: II
Proper Shipping Name:	: Ethanol Solution

Section 15	Regulatory Information
-------------------	-------------------------------

Primary HSNO Class	3.1C,
Subsidiary classes	6.4A, 6.9A, 9.3C
Group Standard	Surface Coatings & Colourants (Flammable)
ERMA Approval No	HSR002662

Section 16	Other Information
-------------------	--------------------------

Under the HSNO Regulations, for quantities held on a site over ;

- 250L in containers > 5L or
500 L in containers < 5L a certificated approved handler is required to be available
- 100L in containers > 5L or 250 L in containers < 5L, or 50L continuously open a
Location Test Certificate for storage is required
- 250L Hazchem site signage is required
- 250L an emergency response plan is required

Packaged in 4Ltr Bottles

The information herein is given in good faith, but no warranty, express or implied is made.

Please contact the New Zealand proprietor, R A Johnstone & Co Ltd,
Phone: 09 261 0333, if further information is required.
