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Date prepared: May 2002
MATERIAL SAFETY DATA SHEET
(Sheet No. 073B)

Hazardous according to criteria of Worksafe Australia.
R: 21/22 Harmful in contact with skin and if swallowed.
R: 36/38 Irritating to eyes and skin.
S: 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

IDENTIFICATION

Product Name: Phenyle - Black

Chemical Name: Cresylic acid in soft soap solution.

Manufacturer's Code:

UN Number: 2022 Cresylic acid.
DG Class: 6.1 Toxic.
Packaging Group: II
Subsidiary Risk(s): 8 Corrosive.
Hazchem Code: 2 X
EPG No. : Cresylic acid.
Poisons Schedule: S6 Phenols (cresols & xylenols) > 3 %
Uses: Disinfectant cleaner. Use, and dilute, as directed on the product label.

PHYSICAL DESCRIPTION & PROPERTIES

Appearance: Black, mobile, frothing liquid.
Miscible with water.
Boiling Point: From about 100 °C
Melting Point: No data.
Vapour Pressure: No data.
Volatiles: About 94 %
Evaporation Rate: No data.
Odour: Characteristic smell of cresols.
Vapour Density: No data.
Weight per ml.: About 1 g.
Flash Point: None.
Flammability Limits: Cresols (all isomers): from 1.1 %
Auto-ignition Temperature: No data.

Other Properties: Contains a mixture of cresols. May react with strong oxidising agents. Incompatible with acids. Slippery when spilled.

Ingredients

Cresylic acid	[1319-77-3]	< 10 %
Other ingredients		< 10 %
Water	[7732-18-5] to	100 %

HEALTH HAZARD INFORMATION

Health Effects:

No data available for the mixture. Information presented

relates to individual ingredients.

Acute: Swallowed: May be fatal. Cresols are toxic and destructive to living tissues, and may cause corrosion to mucous membranes with abdominal pain, bloody vomiting and bloody diarrhoea. Weakness, headache, dizziness, ringing in the ears, delirium and shock may occur. Other symptoms may include rapid heart rate, rapid breathing, low blood pressure, weak pulse, cardiac failure, fluid in the lungs and respiratory failure. Estimated fatal dose for a human is 50 - 500 mg/kg of body weight. Doses of 1 g of cresol have been fatal. An aspiration risk.

Skin: Corrosive and destructive to living tissues. Will have a degreasing effect on the skin which may enhance attack by cresylic acid. Cresylic acid may have an initial anaesthetic effect on the skin, and burns may not become painful until later. Splashes on the skin may not be detected until tissue damage is well under way. Cresols may be absorbed through the skin, and, when spread over a large area of skin, splashes may be fatal.

Eyes: Corrosive. Causes severe irritation. Risk of permanent damage to eyes, and blindness.

Inhaled: "No effect" level reported as 4 ppm for cresols. Higher concentrations (48 ppm) for 5 - 10 minutes are reported to have caused irritation of the nose, throat and lungs, nausea, vomiting and muscle weakness. Over-exposure may cause high blood pressure, tremors and convulsions. Aspiration into the lungs during swallowing or vomiting may lead to serious lung injury.

Chronic: Reported to attack the central nervous system, respiratory system, liver, kidneys, skin and eyes. Hypersensitivity to cresols may be developed in some individuals.

LD50 : Cresylic acid 1,454 mg/kg oral, rat.
760 mg/kg oral, mouse.

see also:

o-Cresol	121 mg/kg oral, rat.
m-Cresol	242 mg/kg oral, rat.
p-Cresol	207 mg/kg oral, rat.

LDLo : Cresylic acid 177 mg/kg oral, man.

First Aid:

If poisoning occurs, contact a doctor or Poisons Information Centre.
Phone: 131126

Swallowed: If swallowed, do NOT induce vomiting. Give a glass of water.

Skin: If on skin, remove any contaminated clothing, wash skin thoroughly with soap and water, then methylated spirit if

available. Contact the Poisons Information Centre or a doctor.

Eyes: If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.

Inhaled: Remove from exposure, rest and keep warm. Unless exposure has been slight, obtain medical attention.

First Aid Facilities

Recommended: Eye wash. Hand wash basin. Methylated spirit.

Advice to Doctor

Product contains about 3 % cresylic acid (mixture of cresols) in a soft soap solution. Vomiting should not have been induced because of risk of aspiration into the lungs. Cresols may have an anaesthetic effect on the skin. The patient may not be aware of splashes on the skin until after tissue damage is well advanced. Contact Poisons Information Centre.

PRECAUTIONS FOR USE

Exposure Limits: [NOHSC]

TLV-TWA: Cresol, all isomers 5 ppm, 22 mg/m³ [Skin]

TLV-STEL: None assigned.

[Skin] indicates that this material may be absorbed via unbroken skin, and any such contact may invalidate the TLV.

[NOHSC] - National Occupational Health & Safety Commission
(Worksafe Australia)

Engineering Controls:

Ensure good ventilation (same as outdoors) when using.
If handling industrial quantities, consider local mechanical exhaust/extraction to keep airborne contamination below TLV.

Personal Protection:

Avoid contact with the skin. Prevent contact with the eyes. Avoid breathing vapours. Personal protection to be selected from those recommended below, as appropriate to mode of use, quantity handled and degree of hazard:-

Domestic use:

Eye/face protection
Gloves, rubber or plastic.

Industrial quantities:

Self-contained breathing apparatus
Face shield or safety glasses
Gloves, rubber or plastic
Plastic apron, sleeves and boots
Impervious overalls.

Flammability:

Not flammable.

SAFE HANDLING INFORMATION

Storage & Transport:

Storage Temperature:	Room temperature.
UN Class:	6.1 Toxic.
Packaging Group:	II
Subsidiary Risk:	8 Corrosive.
UN Number:	2022 Cresylic acid.
EPG Number:	Cresylic acid.
Correct Shipping Name:	Cresylic acid in solution.

Observe the requirements of The Australian Code for the Transport of Dangerous Goods by Road and Rail.

Observe the requirements of state Dangerous Goods (Storage & Handling) Regulations.

Observe the requirements of the Standard for the Uniform Scheduling of Drugs and Poisons.

Storage Advice: Store in a cool, well ventilated place, out of reach of children. Large quantities should be stored in a bonded dangerous goods store. Store in original container. Keep container tightly closed. Keep away from oxidising agents and acids. Prevent vapours from collecting in enclosed spaces. Protect from physical damage. Clean up all spills and splashes promptly; avoid secondary accidents.

Spills & Disposals:

Disposal of small spillages only. For large spillages liquids should be contained using sand or earth, and both liquids and solids then transferred to salvage containers. Residues should be treated as for small spillages. CAUTION: Before dealing with spillage take necessary protective measures, inform others to keep at a safe distance and, for flammable materials, shut off all possible sources of ignition.

CARE! Spillages will be slippery.

If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise absorb on inert absorbent, transfer to suitable container and arrange removal by disposals company. Wash site of spillage thoroughly

with water and detergent. Ventilate area to dispel any residual vapours.

Fire/Explosion Hazard:

Not a fire hazard.

Not an explosion hazard.

Decomposition Products:

Water vapour, carbon dioxide, sodium carbonate. Incomplete combustion may generate carbon monoxide and black smoke.

In case of small fire/explosion use:

Water or dry powder.

In case of major emergency:

HAZCHEM CODE:

2 X

Extinguishant:

Water fog or fine water spray.

Danger of violent reaction or explosion?

No.

Protective Clothing:

Full protective clothing including breathing apparatus and protective gloves.

Appropriate Measures:

Contain.

Evacuate?

No.

Other Information:

Prevent spillages from entering natural waters or the environment.

Contact Point:

Mr. Kent Hateley, Hunters Products (Tas) Pty Ltd.,
60 Gleadow Street, INVERMAY TAS 7248

Telephone:

(03) 6331 4755

24 Hour Emergency Tel. No.:

Not available

Emergency Services:

Dial 000