

Product Name: **PERMACRON™ ACRYLIC URETHANE SERIES 257 - LEAD FREE ONLY**
PERMACRON™ MISCHLACK SERIE 257

Issue Number: 004
 Date of Issue: 29th May 02

Date Printed : 29-Jun-06

MATERIAL SAFETY DATA SHEET

SPIES HECKER. A member of Du Pont Performance Coatings.
 Du Pont (Australia) LTD. ABN 59 000 716 469

Address: 15-23 Melbourne Road
 Riverstone NSW 2765
 Telephone: (02) 9627 4422
 Transport Emergency Tel: (02) 9963 1301
 24 hour Medical Emergency Tel: 1800 674 415

Classified as hazardous according to criteria of NOHSC

-Harmful

R20/21/22	Harmful by inhalation, in contact with skin and if swallowed	S16	Keep away from sources of ignition - No smoking
		S23	Do not breathe vapour
R66	Repeated exposure may cause skin dryness or cracking	S24/25	Avoid contact with skin and eyes
		S29	Do not empty into drains
		S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible)
		S53	Avoid exposure – obtain special instructions before use

Contains: n-Butyl Acetate 15 – 50%; Xylene, (Ethylbenzene & Trimethylbenzene) 10 – 30%

IDENTIFICATION

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Product Codes : This Material Safety Data Sheet contains data for the following products:

ARTICLE NO.	PRODUCT NAME	PRODUCT CODE (AUS)	PRODUCT NAME
19501196	AG 205 OCKER	71865193	AG 205 OCHRE
31002188	AL 218 LASURGRUN	71865195	AL 218 DARK GREEN
19501110	AL 225 LASURSCHWARZ	71865197	AL 225 BLACK
19501072	AL 236 DUNKELROT	71865198	AL 236 DARK RED
19501153	AL 275 LASURBLAU	71865202	AL 275 BLUE
31001254	AL 125 SCHWARZLASUR	71865203	AL 125 BLACK R.S.
19501102	AG 202 SCHWARZ	71865207	AG 202 BLACK
31000061	AG 6 OXIDROT	71865223	AG 6 RED OXIDE
31002200	AL 220 LASURVIOLETT	71865226	AL 220 DARK VIOLET
31002226	AL 222 LASURSMARAGD	71865227	AL 222 EMERALD
31002811	AL 281 MARON	71865235	AL 281 MAROON
31003052	AG 305 OKERLASUR	71865236	AG 305 OCHRE R.S.
31001068	AG 106 OXIDLASUR	71865237	AG 106 RED OXIDE R.S.
31003176	AL 317 BLAULASUR	71865238	AL 317 BLUE R.S.
31001181	AL 118 GRUNLASUR	71865239	AL 118 GREEN R.S.
31003206	AL 320 VIOLETTLASUR	71865240	AL 320 VIOLET R.S.
31002595	AS 259 DUNKELBLAU	71875250	AS 259 DARK BLUE

UN Number : 1263
 Correct Shipping Name : PAINT
 Dangerous Goods Class : 3
 Subsidiary Risk : Not Applicable
 Hazchem : 3[Y]
 Packing Group : III

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**SPIES
HECKER**Product Name: **PERMACRON™ ACRYLIC URETHANE SERIES 257 - LEAD FREE ONLY**
PERMACRON™ MISCHLACK SERIE 257

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Issue Number: 004
Date of Issue : 29th May 02Poisons Schedule Nos. AU : Not a Scheduled Poison
NZ : S3
Pack Size /Container Type : 4 and 1Lts open head metal cans.**Use**Recommended Uses : Paint tinters used in coating metal mainly in the auto refinish industry.
Method of Application : The tinters will be mixed with specified isocyanate hardener for the appropriate colour and sprayed on metal in the auto-refinish industry.**Physical Description/Properties**Specific Gravity (kg/l) : 0.9 to 1.4 Boiling range (°C)* : 122- 180
Flash Point (closed cup)* : + 24^o C Vapour Pressure (kPa)* : 1.3 (approx.)
Flammability Limits* (%volume) : LEL: 0.8 UEL: 8.0 Vapour Density (air =1) : >1
Auto-ignition Temperature : 375 % Volatiles : 40 to 55%
Solubility in water : Insoluble
Appearance/ Odour : Coloured viscous liquid with petroleum solvent/ ester mixed odour.

* Properties relate to Xylene, n-Butyl acetate and hydrocarbon, liquid mixture.

Other PropertiesShock Sensitivity : Not sensitive Corrosiveness : Not corrosive
Oxidising Properties : Not an oxidant Odour Threshold (ppm) : Not available**Ingredients**

The hazardous/ dangerous goods components of the product are:

CHEMICAL ENTITY	CAS NUMBER	PROPORTION Weight /volume	TLV+ TWA	TLV+ STEL
n-Butyl acetate	123-86-4	15- < 50%	150 ppm	200 ppm
solvent naphtha	64742-95-6	10- < 25%	25 ppm	
Xylene	1330-20-7	5- < 10%	80 ppm	150 ppm
1,2,4-trimethylbenzene	95-63-6	3- < 7%	25 ppm	--
Ethyl benzene	100-41-4	1- <10%	25 ppm (recommended)	--
mesitylene	108-67-8	< 3%	--	--

The product also contains polymeric resins, inert inorganic fillers, pigments and additives that are not classified as hazardous by NOHSC or the Standard for the Uniform Scheduling of Drugs and Poisons in Australia. They are not classified as hazardous either because:

- (1) the substance is not on the hazardous chemical lists published by the above authorities or
- (2) the toxicity data does not categorise it as hazardous or
- (3) the concentrations of the entities are below those required for them to be classified as hazardous.

+ TLV or Threshold Limit Value is the maximum exposure level of the chemical entity for which any individual may be subjected and is generally expressed as either the Time Weighted Average (TWA) for an 8 hour/day, 5days/week exposure period or as the Short Term Exposure Limit (STEL) for a 15 minute exposure period with at least 60 minutes interval between two Short term exposures.

The exposure limits stated above are recommended by the National Occupational Health and Safety Commission (NOHSC) and these limits should not be exceeded. When there are no exposure limits published by NOHSC the declared values are recommended values declared by the supplier and this is clearly stated above.

A Sk notification next to the TLV of the component suggests that the component can be absorbed through the skin.

All the chemical entities present in this formulation conform to the NICNAS legislation in Australia.

HEALTH HAZARD INFORMATION**Health Effects****Acute**

Swallowed : The product may cause headaches, dizziness, nausea, vomiting, irritation of the mucous

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membrane and gastro-intestinal disturbances if swallowed. Ingestion of larger quantities could result in an anaesthetical effect and cause unconsciousness.

Eye: On entering the eye the product could cause slight to moderate irritation. Swelling of the eye is likely if the product is left in eye for some time. Damage to the cornea is not expected but if the product is left to remain in the eye for sometime there to could be damage to the tissue of the eye.

Skin: The product may cause drying and de-fatting of skin, that could lead to mild to moderate discomfort. Xylene and Ethylbenzene are skin irritants.

Inhaled: Inhalation of high concentrations of vapours can produce, irritation of the respiratory tract, and depression of the central nervous system . Exposure to excessive concentration of vapour can result in unconsciousness and narcosis. Xylenes and Ethylbenzene are irritants by inhalation.

Chronic

Repeated exposure to the solvents- butyl acetate, xylene and petroleum hydrocarbon mixture could cause the following adverse effects:

Repeated and prolonged liquid contact may cause irritation of the eyes, nose and throat, skin dryness and dermatitis.

Recurrent overexposure may also result in liver, kidney damage and blood disorders.

Ingestion at of product at high concentrations may cause pulmonary edema, nausea, vomiting and abdominal pain.

However, as with any industrial chemical ingestion, inhalation of and contact with the product must be avoided via good industrial hygiene practices.

First Aid

Swallowed : If swallowed do NOT induce vomiting, give a glass of water, only if the patient is conscious. and contact a doctor or Poisons Information Centre (ph 13 1126 within Australia). If vomiting, place patients face downwards and below hip level in order to prevent vomit from entering lungs.

Eye: Remove contact lens and hold eyelids open. Flush patient's eyes with plenty of water for at least 15 minutes and contact a doctor.

Skin: Remove contaminated clothing and flush skin thoroughly with plenty of soap and water. Launder contaminated clothing before reusing.

Inhalation: Remove patient to fresh air. Keep patient warm and comfortable. Apply artificial respiration if necessary and contact a doctor or Poisons Information Centre (ph 13 1126 within Australia).

ADVICE TO DOCTOR

Treat symptomatically. Aspiration is a danger. If contents of the stomach have to be emptied, experienced medical staff only should perform the procedure of Gastric lavage with cuffed endotracheal tube to prevent further aspiration into lungs.

PRECAUTIONS FOR USE

Exposure Standards: No National Exposure Standard has been allocated for this product.

The exposure standards are usually expressed in terms of the TWA for the chemical. TWA is the time weighted average concentration of atmospheric contaminant to which nearly all workers may be repeatedly exposed, for a normal 8-hour work day and a 40 hour work week, year after year, without adverse effect. In Australia these values are published in the Exposure Standards for Atmospheric Contaminants in the Occupational Environment published by NOHSC. The TWA and STEL values for chemical entities in this product have been declared on page 2 of this data sheet. The recommended TWA for this product is 25 ppm, total vapour in air. Maintain all vapour concentrations below this level and keep all concentrations of each entity below the established values. STEL means a 15 minute TWA exposure that should not be

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exceeded at any time during a working day even if the eight hour TWA average is within the TWA exposure standard. The STEL values have been declared on page 2 of this data sheet.

Engineering Controls

Spray booth should be used when spraying of volumes greater than 200ml. The spray booth should be designed, constructed and maintained in accordance with AS/NZS 4114. Provide adequate ventilation through local exhaust and extraction. If these are not sufficient to maintain concentrations of particulate and solvent vapour below the exposure limits (TWA's ^{1,2}), use suitable respiratory protection. Isocyanate containing paint must be used in a spray booth and isolated from personnel without appropriate personal protection.

Personal Protection

Respiratory protection

If workers are exposed to concentrations above the exposure limit they must use appropriate respirators certified for organic vapours and conforming to AS1715/1716 to avoid inhalation of solvent vapours and fine particles. When spraying isocyanate-containing paint, positive pressure air supplied respirators should be worn.

Hand protection:

For handling, use solvent impermeable gloves conforming to AS2161. Barrier creams should not be relied upon to protect against exposure and hands should be washed immediately after using the product.

Eye protection:

Use safety goggles or face shields designed to protect against splash of liquids that have been selected and fitted in accordance with AS1336 and complying with AS/NZS 1337.

Skin protection:

Personnel should wear impervious anti-static clothing conforming to AS2919 and AS3765-1.

(1) Eight hours Time Weight Average

(2) Short Term Exposure Limits

Flammability

The product is a Class 3, PG III, flammable liquid with a flash point of +24°C. Vapour/air mixtures may ignite explosively and flashback along the vapour trail could occur.

Keep away from all sources of ignition, direct sunlight, flames, hot surfaces, electrical, static, or frictional sparks. Containers should be earthed during pouring or mixing. Do not allow smoking near the container of the product.

SAFE HANDLING INFORMATION

Storage and Transport

Correct Shipping Name: Paint

UN No: 1263

The product is a Class 3 (FLAMMABLE LIQUID), PG III dangerous good with a Hazchem of 3[Y] and must be stored and transported accordingly.

Keep containers tightly closed in a well-ventilated area, away from all sources of ignition and direct sunlight.

The product is flammable and must be stored in a dangerous goods store complying with Commonwealth, State and local regulations. Store in compliance with the regulations for storage of flammable liquids and the Australian Standard for the Storage of Flammable and Combustible Liquids (AS1940).

Crash repair shops and distributor stores must comply with The Australian New Zealand Standard "The storage and handling of mixed classes of dangerous goods in packages and intermediate bulk containers" (AS/NZS 3833:1998).

Transport within Australia must be in accordance with the Australian Dangerous Goods Code (6th Edition).

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Do not load on the same vehicle as Classes 2.1(bulk), 2.3, 4.2, 5.1, 5.2 or 7 Dangerous Goods.

Spills and Disposal

Wear personal protection recommended in PERSONAL PROTECTION subsection, when cleaning spill. Keep all unprotected personnel and people away. Remove all sources of ignition. Shut off source of spill if safely possible - avoid becoming a casualty. Avoid breathing vapours. Ventilate the area. In enclosed areas, use SCBA or supplied air breathing apparatus. Contain and absorb spilt material on earth/sand or any other approved non-reactive absorbent and transfer adsorbed material, with non-sparking equipment, into marked sealable drums for disposal.

Seal, mark and label all drums for hazard- FLAMMABILITY and HAZARDOUS properties.

For disposal of product and absorbed spill material contact the State Waste Disposal Authorities, inform them of the nature of the material and make arrangements for disposal according to local, state and federal regulations.

Do NOT dispose of wet product or cans containing wet product to garbage bins, landfills or into recycling bins.

Solvent recycling or incineration at an appropriately licensed waste disposal facility must dispose of wet product.

Empty cans of the product may be dried thoroughly and sent for recycling if such recycling schemes exist within your area.

Prevent entry into drains, sewers and waterways.

Contact the State Waste Disposal Authorities, inform them of the nature of the material and make arrangements for disposal according to local, state and federal regulations.

Fire/Explosion Hazard

The product is a Class 3 (FLAMMABLE LIQUID), Packing Group III, Dangerous Good with a Hazchem of 3[Y]. Vapour/air mixtures may ignite explosively and flashback along the vapour trail could occur.

On burning the product produces dense black smoke, oxides of carbon and hydrocarbons.

Cool closed containers exposed to fire with water spray.

Keep away from oxidising agents, strong acids or alkaline solutions in order to prevent exothermic reactions.

Fire Fighting Instructions

Fire fighters should wear breathing apparatus and full protective gear.

Fight fires with alcohol resistant foam, Carbon dioxide or dry powder.

Do not use water jets.

Prevent water/chemicals used to fight fire from entering drains or watercourses.

CONTACT POINT

Technical Service Manager or Supervisor

Working Hours call (02) 9627 4422

This Material Safety Data Sheet has been prepared according to guidelines recommended by the National Occupational Health and Safety Commission in the National Code of Practice for the Preparation of Material Safety Data Sheets [Document NOHSC: 2011 (1994)].

SPIES HECKER Australia informs its users that:

This information is presented in good faith and compiled from various sources believed to be accurate on knowledge and experience, available on the day of publication of this Material Safety Data Sheet.

All data herein is to describe products only in terms of health and safety requirements and should not therefore be construed as guaranteeing any specific physical or qualitative properties. The users' working conditions are beyond our knowledge and control and therefore this data sheet does not serve as any warranty or guarantee for safe use of this product.

As the products performance and suitability depends on various factors, the purchasers of our products should determine for themselves whether the product is suitable for their particular use. All sales are subject to the standard

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terms and conditions contained in the invoice.

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