

SELECTRIX®

MATERIAL SAFETY DATA SHEET

Product Name **GETO PUR 21 - SCHOKOBRAUN**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name SELECTRIX HEAD OFFICE
Address 2 Merchant Avenue, Thomastown VIC, 3074, Australia
Telephone 1800 033 087, (03) 9466 4244
Fax (03) 9466 1169

Synonyms SCHOKOBRAUN GETO PUR 21.

Uses INDUSTRIAL APPLICATIONS.

2. HAZARDS IDENTIFICATION

CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA
CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

Risk And Safety Phrases Risk and Safety Phrases are standardised phrases allocated to Hazardous Substances. Risk phrases convey a general description of the physicochemical, environmental and health hazards of a substance. Safety phrases provide information on safe storage, handling, disposal, personal protection and first aid.

RISK PHRASES
R10 Flammable.
R42 May cause sensitisation by inhalation.

SAFETY PHRASES
S23 Do not breathe gas/fumes/vapour/spray (where applicable).
S45 In case of accident or if you feel unwell, contact a doctor or Poisons Information Centre immediately (show the label where possible).

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Formula	Conc.	CAS No.
XYLENE	C8-H10	<5%	1330-20-7
1,1'-METHYLENEBIS[ISOCYANATO] BENZENE (MDI ISOMER)		<1%	26447-40-5
TOLUENE SULPHONYL ISOCYANATE		<0.5%	4083-64-1
1,2-BENZENEDICARBOXYLIC ACID, DIISONONYL ESTER	C26-H42-O4	10 - 20%	28553-12-0
BUTYL BENZYL PHTHALATE	C19-H20-O4	10 - 20%	85-68-7
ALKANES, C9-C12		<2%	90622-57-4
ADDITIVES		Remainder	Not Available

4. FIRST AID MEASURES

- Eye** Hold eyelids apart and flush continuously with water. Continue until advised to stop by the Poisons Information Centre, a doctor, or for at least 15 minutes. Keep patient calm.
- Inhalation** If over exposure occurs, leave area of exposure immediately. If other than minor symptoms occur, seek urgent medical attention. If assisting a victim avoid becoming a casualty, wear a Full-face Type A (Organic vapour) respirator or Air-line respirator.
- Skin** Remove contaminated clothing and gently flush affected areas with water. Seek medical attention if irritation develops. Launder clothing before reuse.

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4. FIRST AID MEASURES cont.

Ingestion For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor. If swallowed, do not induce vomiting.

Advice To Doctor Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flammability Flammable. May evolve toxic gases (carbon/ nitrogen oxides, hydrocarbons, isocyanates, hydrogen cyanide) when heated to decomposition. Eliminate all ignition sources including cigarettes, open flames, spark producing switches/tools, heaters, naked lights, pilot lights, mobile phones etc. when handling. Earth containers when dispensing fluids. May also evolve hydrogen chloride when heated to decomposition.

Fire and Explosion Flammable - explosive vapour. Evacuate area and contact emergency services. Toxic gases (hydrocarbons, carbon/ nitrogen oxides, isocyanates, hydrogen cyanide) may be evolved. Remain upwind and notify those downwind of hazard. Wear full protective equipment (see spill above) including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

Extinguishing Dry agent, carbon dioxide or foam. Prevent contamination of drains or waterways. Absorb runoff with sand or similar.

Hazchem Code 3[Y]

6. ACCIDENTAL RELEASE MEASURES

Spillage If spilt (bulk), contact emergency services. Wear splash-proof goggles, PVA/viton gloves, a Type A (Organic vapour) respirator or Air-line respirator, coveralls and rubber boots. Ventilate and clear area of all unprotected personnel. Eliminate heat and ignition sources, absorb spill with sand or similar and place in sealable containers for disposal. Prevent spill entering drains or waterways.

7. HANDLING AND STORAGE

Handling Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas (eg. if container is damaged).

Storage Store in a cool, dry, well ventilated area, removed from oxidising agents, alcohols, acids, alkalis, amines, direct sunlight, heat or ignition sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills. Large storage areas should have appropriate fire protection and ventilation systems.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation Do not inhale vapours. Use in well ventilated areas. In poorly ventilated areas, mechanical explosion proof extraction ventilation is recommended. Flammable/explosive vapours may accumulate in poorly ventilated or confined areas. Vapours are heavier than air and may travel some distance to an ignition source and flash back. Maintain vapour levels below the recommended exposure standard.

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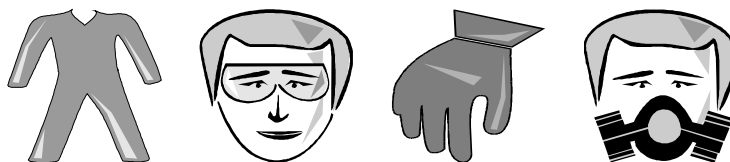
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8. EXPOSURE CONTROLS / PERSONAL PROTECTION cont.

Exposure Standards	XYLENE (1330-20-7) ES-TWA : 80 ppm (NOHSC) ES-TWA# : 100 ppm (ACGIH; NIOSH) ES-STEL : 150 ppm (NIOSH; NOHSC) WES-TWA : 80 ppm (NOHSC)
	1,1'-METHYLENEBIS[ISOCYANATO] BENZENE (MDI ISOMER) (26447-40-5) ES-TWA : 0.02 mg/m3 Isocyanates SENSITISER ES-STEL : 0.07 mg/m3 Isocyanates
	1,2-BENZENEDICARBOXYLIC ACID, DIISONONYL ESTER (28553-12-0) WES-TWA : 5 mg/m3
	BUTYL BENZYL PHTHALATE (85-68-7) WES-TWA : 5 mg/m3

PPE Wear coveralls, splash-proof goggles, a Type A (Organic vapour) Respirator and PVA or viton (R) gloves. Where an inhalation risk exists, wear an Air-line respirator. If sanding dry product, wear a Class P1 (Particulate) Respirator. If spraying, with prolonged use, or if in confined areas, wear impervious coveralls and an Air-line respirator.



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	PASTE
Odour:	SOLVENT-LIKE ODOUR
pH:	NOT AVAILABLE
Vapour Pressure:	< 100 hPa @ 20 C
Vapour Density:	NOT AVAILABLE
Boiling Point:	NOT AVAILABLE
Melting Point:	NOT AVAILABLE
Evaporation Rate:	NOT AVAILABLE
Solubility (water):	INSOLUBLE
Specific Gravity:	1.18
% Volatiles:	NOT AVAILABLE
Flammability:	FLAMMABLE
Flash Point:	23 - 60.5 C
Upper Explosion Limit:	7.6 %
Lower Explosion Limit:	0.4 %
Autoignition Temperature:	> 200 C

10. STABILITY AND REACTIVITY

Reactivity Incompatible with oxidising agents, acids, alcohols, amines, alkalis, heat and ignition sources. Reacts with water or moisture, generating carbon dioxide, which may cause container rupture.

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10. STABILITY AND REACTIVITY cont.

Decomposition Products May evolve toxic gases (carbon/ nitrogen oxides, hydrocarbons, isocyanates, hydrogen cyanide) when heated to decomposition. May also evolve hydrogen chloride when heated to decomposition.

11. TOXICOLOGICAL INFORMATION

Health Hazard Summary Toxic - irritant - narcotic. This product has the potential to cause acute and chronic health effects. Use safe work practises to avoid eye or skin contact and vapour inhalation. Over exposure may result in anaemia, kidney, liver and nerve damage, skin and respiratory irritation and sensitisation. Those individuals with impaired respiratory function or who have known sensitivities to isocyanates should avoid exposure.

Eye Irritant. Contact may result in lacrimation, irritation, pain, redness and conjunctivitis. Prolonged contact - corneal burns and possible permanent damage.

Inhalation Toxic - narcotic. Over exposure may result in nasal or throat irritation, nausea, chest tightness, wheezing, breathing difficulties (symptoms may be delayed), sensitisation, pulmonary oedema and unconsciousness. Chronic exposure may result in respiratory sensitisation, anaemia, liver, kidney and nerve damage.

Skin Irritant. Prolonged contact may result in drying and defatting of the skin, rash, dermatitis and sensitisation. Toxic systemic effects may occur through skin absorption.

Ingestion Toxic - narcotic. Ingestion may result in nausea, vomiting, abdominal pain, diarrhoea. Large doses; drowsiness, liver/ kidney damage and unconsciousness. Aspiration may result in chemical pneumonitis and pulmonary oedema.

Toxicity Data XYLENE (1330-20-7)
LD50 (Skin) : >1700 mg/kg (rabbit)
LD50 (Ingestion) : 4300 mg/kg (rat)
Carcinogenicity : Unclassifiable carcinogenicity in humans (IARC Group 3)

BUTYL BENZYL PHTHALATE (85-68-7)
LD50 (Skin) : 6700 mg/kg (mouse)
LD50 (Ingestion) : 2330 mg/kg (rat)
Carcinogenicity : Unclassifiable carcinogenicity in humans (IARC Group 3)

ALKANES, C9-C12 (90622-57-4)
LC50 (Inhalation) : > 12200 mg/m³/4H, rat
LD50 (Skin) : >3200 mg/kg (rabbit)
LD50 (Ingestion) : >10 g/kg (rat)

12. ECOLOGICAL INFORMATION

Environment Limited ecotoxicity data was available for this product at the time this report was prepared. Ensure appropriate measures are taken to prevent this product from entering the environment.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Wearing the protective equipment outlined, ensure all ignition sources are extinguished. For small quantities, absorb on paper, sand or similar and evaporate under a fume cupboard or open area. For large volumes, atomise into

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13. DISPOSAL CONSIDERATIONS cont.

incinerator (mixing with more flammable solvent if required) or recycle by gravimetric separation, distilling & reusing. Contact the manufacturer for additional information if required.

Legislation Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

Transport Class 3 Flammable liquid. Do not transport with chemicals of class; 1 (Explosives), 2.1/ 2.3 (Flammable/ Toxic gases), 4.2 (Spontaneously combustibles), 5.1 (Oxidising agents), 5.2 (Organic peroxides), 6 (Toxics), 7 (Radioactives) and foodstuffs.

UN Number 1993

Shipping Name FLAMMABLE LIQUID, N.O.S.

DG Class 3

Subsidiary None Allocated

Risk(s)

Packing Group III

Hazchem Code 3[Y]

15. REGULATORY INFORMATION

AICS All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

Poison Schedule Classified as a Schedule 6 (S6) Poison using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

16. OTHER INFORMATION

Additional Information RESPIRATORS: In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

ISOCYANATES Asthma sufferers, respiratory impaired or previously sensitised individuals are advised to avoid all exposure to isocyanates. Please note that products containing isocyanates often require the preparation of safe working procedures before product is used.

SYNERGISM - ANTAGONISM: Ingredients in this product may act together to aggravate or reduce adverse effects. Accordingly the time weighted average concentration (TWA) provided for single ingredients should be considered as a guide only and all due care exercised when handling.

COLOUR RATING SYSTEM: Chem Alert reports are assigned a colour rating of Green, Amber or Red for the purpose of providing users with a quick and easy means of determining the hazardous nature of a product. Safe handling recommendations are provided in all Chem Alert reports so as to clearly identify how users can control the hazards and thereby reduce the risk (or likelihood) of adverse effects. As a general guideline a Green colour rating indicates a low hazard, an Amber colour rating indicates a moderate hazard and a Red colour rating indicates a high hazard.

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16. OTHER INFORMATION cont.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this Chem Alert report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a Chem Alert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

ABBREVIATIONS:

mg/m³ - Milligrams per cubic metre

ppm - Parts Per Million

TWA/ES - Time Weighted Average or Exposure Standard.

CNS - Central Nervous System

NOS - Not Otherwise Specified

pH - relates to hydrogen ion concentration - this value will relate to a scale of 0 - 14, where 0 is highly acidic and 14 is highly alkaline.

CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.

M - moles per litre, a unit of concentration.

IARC - International Agency for Research on Cancer.

Report Reviewed 18th May 2006

Date Printed 18th May 2006

Report Status Chem Alert reports are compiled as an independent source of information by RMT's scientific department. The information is based on the latest chemical and toxicological research, and in compliance with relevant standards, guidance notes and legislation (where applicable). The Chem Alert report is not intended as a replacement to the manufacturer's original MSDS that is provided to Chem Alert subscribers for convenience. In many instances, Chem Alert reports are compiled on behalf of manufacturers, in which case they serve as the "Manufacturer's MSDS" and are clearly identified as such on the relevant reports.

Prepared By Risk Management Technologies
5 Ventnor Avenue, West Perth
Western Australia 6005
Phone: +61 8 9322 1711
Fax: +61 8 9322 1794
Web: www.rmt.com.au

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