



MATERIAL SAFETY DATA SHEET

CITRAMAX

Issue Date June 2005

Status Issued by Sierra

Classified as hazardous according to criteria of NOHSC

COMPANY DETAILS

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Every endeavor has been made to ensure that the information contained in this publication is reliable and offered in good faith. It is meant to describe the safety requirements of our products and should not be construed as guaranteeing specific properties. Customers are encouraged to conduct their own tests as end user suitability of the product for particular uses is beyond our control.

IDENTIFICATION

Product Name: Citramax

Other Names: Terpene Hydrocarbons

UN Number: 2319

Dangerous Goods Class and Subsidiary Risk: 3

Hazchem Code: III

Poisons Schedule No.: Not Scheduled

Use: removes grease, wax, glue and tar quickly and effectively. Simply spray on surface neat, let soak for 2-3 minutes. Wipe off with an absorbent cloth.

Physical Description/Properties:

Appearance: Water thin clear transparent liquid

Boiling Point/Melting Point: 175°C

Vapour Pressure: 2 mmHg at 20°C

Specific Gravity: 0.838-0.843 at 25°C

Flashpoint: 46°C

Flammability Limits (%): 6.1% Uel

Solubility in Water: miscible

Other Properties:

Vapour Density: not available

Ingredients:

Chemical Name	CAS Number:	Proportion:
d-Limonene	5989-27-5	<80%
dimethyl glutarate	1119-40-0	<20%
dimethyl adipate	627-93-0	<5%
dimethyl succinate	106-65-0	<5%
Ingredients determined to be non-hazardous		Balance

HEALTH HAZARD INFORMATION

Health Effects:

Acute

Swallowed	Ingestion can cause nausea and vomiting. May be harmful if swallowed.
Eye	May be irritating to eyes.
Skin	Irritating to skin. Symptoms can include redness, itching, possible dermatitis. May cause sensitisation by skin contact.
Inhaled	Vapour may be irritating to the respiratory system, causing coughing and headache.
Chronic	Repeated or prolonged exposure can cause drying, defatting of skin and can lead to dermatitis.

First Aid

Advice	For advise, contact a Poisons Information Centre (Phone eg. Australia 13 11 26; New Zealand 03 4747 000 [Not after May 2005] or 0800 764 766 or a doctor at once).
Swallowed	Rinse mouth with water. Do not induce vomiting. Seek medical advice.
Eye	Immediately irrigate with copious quantities of water for several minutes. Hold eyelids open. In all cases of eye contamination it is a sensible precaution to seek medical advice.
Skin	Remove heavily contaminated clothing. Wash affected area with of soap and running water. Seek medical advice if irritation develops and persists.
Inhaled	Remove victim to fresh air. Ensure airways are clear and if breathing is difficult have a qualified person give oxygen through a face mask. Seek medical attention.
First Aid Facilities	Eye wash fountains and safety showers should be available for emergency use.

Safety Points

Avoid contact with eyes.
 Avoid contact with skin.
 Avoid breathing dust (or) vapour (or) spray mist.

Advice to Doctor:

Treat symptomatically

PRECAUTIONS FOR USE

Exposure Standards:	No exposure standards have been established for the mixture by the Australian National Occupational Health & Safety Commission (NOHSC) or the Occupational Safety and Health Service (OSH) of the New Zealand Department of Labour. However, over-exposure to some chemicals may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions and should be kept to the least possible levels.
Engineering Controls:	Use in a well ventilated area. Exhaust ventilation may be necessary in poorly ventilated areas and confined spaces. Vapour heavier than air - prevent concentration in hollows or sumps. Do NOT enter confined spaces where vapour may have collected.
Personal Protection:	Goggles, and solvent resistant gloves, overalls.
Flammability:	Flammable, eliminate source of ignition, naked flames and sparks. Electrically earth all equipment. DO NOT USE PLASTIC BUCKETS

PERSONAL PROTECTION

Respirator Type (AS1716)	If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable organic vapour filter may be necessary. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.
Eye Protection	Safety glasses with side shields or goggles should be worn as described in Australian Standard AS/ANZ 1337 - Eye Protectors for Industrial Applications.
Glove Type	Wear laminated film, nitrile or other suitable gloves conforming to AS/NZS 2161: Occupational Protective Gloves.
Protective Equip.	Avoid skin and eye contact and inhalation of vapour. Wear overalls, chemical goggles and impervious gloves. Use with adequate ventilation. If inhalation risk exists wear organic vapour respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Safety goggles should be selected and fitted in accordance with Australian Standard (AS)1336 and Australian/New Zealand Standard AS/NZS 1337. Industrial clothing should conform to the specifications detailed in AS 2919. Impermeable gloves should conform to AS 2161. All occupational footwear should conform to AS/NZS 2210.
Work/Hygienic Practices	Ensure a high level of personal hygiene is maintained when using this product. Always wash hands before eating, drinking, smoking or using the toilet.

FLAMABILITY

Fire Hazards	Flammable liquid. On burning will emit toxic fumes including those of carbon monoxide and carbon dioxide.
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SAFE HANDLING INFORMATION



Storage and Transport: Hazardous Regulated Goods. Store in cool place away from flames, sparks, sources of ignition and strong oxidants.

Spills and Disposal: Eliminate all sources of ignition. Use absorbent material or sand. Consult Local Authority on disposal.

Fire/Explosion Hazard: Flammable. Remove naked flames, sparks, sources of ignition. Carbon Monoxide and Dioxide may be formed.

OTHER INFORMATION

Store away from strong oxidants. [Chlorine, Liquid Chlorine and concentrated Oxygen]

Proper Shipping Name TERPENE HYDROCARBONS, N.O.S. - (D-LIMONENE)

EPG Number 3A1

IERG Number 15

Packaging Method 3.8.3RT1

IMDG Marine Pollutant (MP) This product is classified as a MARINE POLLUTANT according to the IMDG code.

Risk Statement Australia:
R10 Flammable.
R38 Irritating to skin.
R43 May cause sensitization by skin contact.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

New Zealand:
Classified as a 6.3A - Substance that is irritating to the skin.
Classified as a 6.5B - Substance that is a contact sensitiser.
Classified as a 9.1A - Substance that is very ecotoxic in the aquatic environment.

Safety Statement S2 Keep out of reach of children.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S61 Avoid release to the environment. Refer to special instructions/safety data sheet.
S24/25 Avoid contact with skin and eyes.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

Hazard Category Irritant, Dangerous for the environment

CONTACT POINT

ORGANISATION	TELEPHONE	ASK FOR
Poisons Information Centre – Australia Wide	131126	
Sierra Aust Pty Ltd	+61-(0)7-3216 5099	Glyn McDonald
Fire Brigade	000	Fire Brigade
Police	000	Police

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