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MATERIAL SAFETY DATA SHEET

IDENTIFICATION

HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA

PRODUCT NAME:	Lime Sulphur Spray
OTHER NAME:	Calcium polysulphides
MANUFACTURERS CODE:	(8851) 500mL (8852) 20L (8853) 200L
PROPER SHIPPING NAME (ADG Code):	None allocated
UN NUMBER:	None allocated
DANGEROUS GOODS CLASS:	None allocated
SUBSIDIARY-RISK:	None allocated
PACKING GROUP:	None allocated
HAZCHEM CODE:	None allocated
POISONS SCHEDULE:	None allocated
USE:	To control mites in lawns, on vines and fruit trees.

PHYSICAL DESCRIPTION / PROPERTIES

APPEARANCE:	red/brown liquid
MELTING POINT:	Not applicable
BOILING POINT:	Not applicable
VAPOUR PRESSURE:	Not applicable
DENSITY:	1.24
FLASH POINT:	Not applicable
FLAMMABILITY LIMITS:	Not applicable
SOLUBILITY IN WATER:	Soluble
CORROSIVENESS:	Slightly corrosive to mild steel
OTHER PROPERTIES:	Produces hydrogen sulphide gas in contact with acidic products.

INGREDIENTS

CHEMICAL NAME	CAS.NO.	PROPORTION
Soluble sulphur	1344-81-6	280g/L
Ingredients determined to be non hazardous	-	To 100%

HEALTH HAZARD INFORMATION

HEALTH EFFECTS

HAZARD CLASSIFICATION (In accordance with criteria of Worksafe Australia): Xi - Irritant

RISK PHRASES: R31 – Contact with acids liberates toxic gas.
R36/37/38 – Irritating to eyes, respiratory system and skin.

SAFETY PHRASES: S2– Keep out of reach of children.
S28 – After contact with skin wash immediately with plenty of water.

GENERAL:

No adverse health effects are expected when the product is used in accordance with label directions.

ACUTE

SWALLOWED:

The acute oral toxicity is moderate. This material decomposes in the stomach to release hydrogen sulfide.

EYE:

Moderate eye irritant.

SKIN:

The acute dermal toxicity is low. Repeated skin contact may cause allergic reactions.

INHALED:

The acute inhalation toxicity is moderate. Excessive exposure to mist may be harmful. Prolonged exposure to the mist may cause eye and respiratory irritation, dizziness and headaches.

CHRONIC:

May cause allergic reactions to the skin.

FIRST AID

GENERAL:

In every case of suspected poisoning contact a doctor or a Poisons Information Centre immediately.

SWALLOWED:

Treat symptomatically. Seek medical attention immediately.

EYE:

Hold eyelids open and flush eyes with water for at least fifteen minutes. Seek medical attention immediately.

SKIN:

Wash exposed skin with soap and water.

INHALED:

Immediately remove patient to fresh air. If difficulty in breathing is experienced, give oxygen and artificial respiration if necessary.

FIRST AID FACILITIES:

Soap, water

ADVICE TO DOCTOR:

If swallowed in large quantities treat for hydrogen sulfide poisoning .

PRECAUTIONS FOR USE

EXPOSURE STANDARDS:

Worksafe Occupational Exposure Standard (TWA – Time Weighted Average)

No data available

Time Weighted Average (TWA) means the average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five day working week.

ENGINEERING CONTROLS:

Use only in a well ventilated area.

PERSONAL PROTECTION:

Gloves, glasses

FLAMMABILITY:

Product is not flammable, however if involved in a fire may produce flammable hydrogen sulfide gas.

SAFE HANDLING INFORMATION

STORAGE

Store product in original container only in a locked, cool, well-ventilated area, out of direct sunlight. Keep away from foodstuffs and children.

TRANSPORT

Product is not classified as a dangerous good in accordance with the Australian Code for the Transport of Dangerous Goods by Road and Rail.

SPILLAGE

Wear appropriate clothing while cleaning up spill (see Personal Protection). Prevent entry into drainage systems, waterways, rivers, etc. Apply absorbent material such as sand, earth or attapulgate to contain the spill. Sweep up the material when absorption is complete. If product spilt indoors, wash contaminated surfaces with a damp cloth.

DISPOSAL

Destroy empty containers by breaking, crushing or puncturing them. Dispose of the empty containers at a local authority landfill. Do not burn empty containers or product. Do not allow chemical containers, spray or washings to contaminate drains, sewers, streams, ponds or any waterway.

FIRE/EXPLOSION HAZARD

If involved in a fire will product flammable & toxic hydrogen sulfide gas. H₂S explosive limits in air 4.6 to 46% v/v.

HAZARDOUS DECOMPOSITION PRODUCTS:

Hydrogen sulfide

FIRE FIGHTING EQUIPMENT:

Firefighters must wear full self-contained breathing apparatus and full protective clothing. Foam, carbon dioxide (CO₂), or dry chemical extinguishers may be used. Run-off must be contained.

OTHER INFORMATION

ECOTOXICITY DATA:

No data available

ENVIRONMENTAL FATE:

Decomposes in sunlight and in waterways

CONTACT POINT

TITLE: Technical Department

TELEPHONE NUMBER: (08) 9337 4933

AUTHORISED: Technical Department Manager

DATE: 30/4/13

NOTICE:

This Material Safety Data Sheet has been developed according to the Worksafe Australia/NOHSC Codes of Practice.

The information contained herein is given in good faith however and is considered to be accurate at the specified issue date. No warranty expressed or implied is made to the accuracy or completeness of the data and information contained herein.

No person, other than an authorised representative of David Gray & Company Pty Ltd, has the authority to make any alterations to this MSDS.

Contact David Gray & Co Pty Limited for further product information on (08) 9337 4933 during normal business hours.