

MATERIAL SAFETY DATA SHEET

AUSTRALIA:

Emergency Response: 1800 625 526

IMCD Australia Limited ABN 44 000 005 578

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Mulgrave, VIC 3170

Ph: (03)8544 3100

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An electronic version of this MSDS is available at www.imcdgroup.com**NEW ZEALAND**

Emergency Response: 0800 500 288

IMCD New Zealand Limited

4C Carr Road

Mt Roskill, Auckland

Ph: (09)625 6169

Fax (09)625 6655

Not classified as hazardous according to the criteria of NOHSC Australia.

I IDENTIFICATION

This revision issued: 4/01/2006Product Name: ERBS Granucol FAOther Names: None.MSDS Code: 4901463UN No: None allocatedHazchem Code: None allocatedDangerous Goods Class: None allocatedSub Risk Class: None allocatedPackaging Group: None allocatedPoison Schedule: Not scheduled.Chemical Family: Elemental carbon.Uses: Industrial filtration/adsorption processes.

Physical Appearance & Properties

Appearance & Odour: Black granulated solid. No odour.Melting/softening point: No specific data. Solid at normal temperatures.Boiling point and vapour pressure: No data.Volatile materials: No specific data. Expected to be low at 100°C.Flashpoint: Not flammable.Specific gravity: No data. Bulk density 0.29 approx.Solubility in water: Insoluble.Corrosiveness: Not corrosive. pH of 5% suspension in water is 3 approx.Autoignition Temperature: >300°C

Ingredients

Chemical Entity

CAS No

Proportion, %

Worksafe Exposure Limits

Carbon

7440-44-0

pure *

TWA, mg/m³

not set

STEL, mg/m³

not set

* Commercially pure.

This is a commercial product whose exact ratio of components may vary. Trace quantities of impurities are also likely.

II HEALTH HAZARD DATA

Health Effects:

No specific data is available for the product for chronic exposure symptoms. The ingredients are not listed as carcinogenic in Worksafe's document "Exposure Standards for Atmospheric Contaminants in the Occupational Environment" (May 1995), nor in NOHSC's "List of Designated Hazardous Substances" (April 1999).

Acute Effects:

No acute health effects are expected for the product as supplied. However, it will take on the dangers associated with whatever may have been adsorbed during use. If dangerous substances have been adsorbed, treat as for the adsorbed substance(s).

Swallowed: Data suggests that this product should present no significant problems.Eye: Data suggests that this product should present no significant problems.Skin: Data suggests that this product should present no significant problems.Inhalation: Data suggests that this product should present no significant problems.

IMCD Australia Limited Phone (03)8544 3100 (8-5)

Product: ERBS Granucol FA

IMCD New Zealand Limited (09)625-6169

Page 1 of 3

Poisons Information Centre: 13 1126 from anywhere in Australia, (0800 764 766 in New Zealand)

MATERIAL SAFETY DATA SHEET

This revision issued: 4/01/2006

First Aid:

If this product gets into mouth, wash out with water. No further measures should be necessary.

Eyes: If product gets in eyes, wash eyes to remove material. No further measures should normally be required.

Skin: If product gets on skin, wash skin to remove material. No further measures should normally be required.

Inhalation: No first aid measures normally required. However, if vapours or dusts have been inhaled, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.

Advice to Doctor: Treat symptomatically. Note the nature of this product.

III PRECAUTIONS FOR USE

Exposure Standards:

A time weighted average (TWA) concentration for an 8 hour day, and 5 day week has not been established by NOHSC Australia for any of the major ingredients in this product. There is a blanket limit of 10mg/m³ for dusts or mists when limits have not otherwise been established.

Engineering Controls:

In industrial situations, concentration values below the TWA value should be maintained. Values may be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe air borne concentrations of mists, dusts or vapours are high, you are advised to modify the process or environment to reduce the problem.

Personal Protection:

Respiratory Protection: It is usually safe to not use a dust mask or respirator protection on account of this product. However, if the product is being used in dusty or confined conditions, use of a mask or respirator may be preferred. For help in selecting suitable equipment, consult AS/NZS 1715.

Protective Gloves: Protective gloves are not normally necessary when using this product. However, it is always prudent to wear gloves. For help in selecting suitable equipment, consult AS 2161.

Eye Protection: Protective eyewear is not normally necessary when using this product. However, it is always prudent to use protective eyewear. Consult AS1336 and AS/NZS 1337 for advice on Industrial Eye Protection.

Clothing: This product is essentially safe to use without special protective clothing. However, its use is recommended as a good industrial practice. Consult AS2919 for advice on Industrial Clothing.

Safety Boots: Wearing safety boots in industrial situations is advisory. Consult AS/NZS2210 for advice on Occupational Protective Footwear.

Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

IV SAFE HANDLING INFORMATION

Storage & Transport

Wet activated carbon depletes oxygen from air and, therefore, dangerously low levels of oxygen may be encountered. Whenever workers enter a vessel containing activated carbon, the vessel's oxygen content should be determined and work procedures for potentially low oxygen areas be followed. Appropriate protective equipment should be worn.

This product has no UN classification. Not a Scheduled Poison. Containers should be kept closed in order to minimise contamination. Keep from extreme heat and open flames, and make sure that the product does not come into contact with substances listed under "Materials to avoid" below.

Spills & Disposals

Minor spills do not normally need any special cleanup measures. In the event of a major spill, prevent spillage from entering drains or water courses. No special protective clothing is normally necessary. However use judgement and take care. Stop leak if safe to do so, and contain spill. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage. Recycle containers wherever possible. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill. Dispose of only in accord with all regulations.

Fire & Explosion Hazard

There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

Flashpoint: Not flammable.

Flammability limits: Not applicable. This product is not flammable.

Extinguishing Media: carbon dioxide, dry chemical, foam, water fog.

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Special Fire Fighting procedures: If a significant quantity of this product is involved in a fire, call the fire brigade. Immediately evacuate the area of unnecessary personnel. When fighting fires involving significant quantities of this product, wear safety boots, non-flammable overalls, gloves, hat and preferably, goggles.

Unusual Fire & Explosion Hazards: Fire decomposition products from this product may form toxic mixtures in confined spaces. This product may form flammable or explosive dust clouds in air. Product may burn without flame, and the burning region might be difficult to see from the surface.

Stability: This product is unlikely to spontaneously decompose.

Polymerisation: This product is unlikely to spontaneously polymerise.

Decomposition Products: Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke.

Materials to avoid: strong oxidising agents.

V OTHER INFORMATION

This MSDS is prepared in accord with the Worksafe Australia document "National Code of Practice for the Preparation of Material Safety Data Sheets", 1994.

It also conforms with the New Zealand OSH Guidelines for the Preparation of MSDSs (May 1995).

Contact Points:

		AUSTRALIA	NEW ZEALAND
Police and Fire Brigade:	Dial	000	111
If ineffective:	Dial	132203 (Exchange)	-
For emergency response:	Dial	1800 625 526	(0800)500 288
National Poisons Information Centre:	Dial	13 1126 (from anywhere in Australia)	or 0800 764 766 from anywhere in New Zealand

THIS MSDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER SHOULD READ THIS MSDS AND CONSIDER THE INFORMATION IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE INCLUDING IN CONJUNCTION WITH OTHER PRODUCTS. IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY. THE RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

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