

Material Safety Data Sheet

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Infosafe No. ACR2C

Issue Date: August 2008

ISSUED by SOUTHBIOL

Product Name: SUDAN 111 0.5%

Not classified as hazardous according to criteria of NOHSC

COMPANY DETAILS

Company Name Southern Biological (ABN 25 838 926 933)
Address 19-21 Worrell Street Nunawading Vic 3131 Australia
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IDENTIFICATION

Product Name SUDAN III 0.5%
Proper Shipping Name ETHANOL SOLUTIONS (ETHYL ALCOHOL SOLUTIONS)
UN Number 1170
DG Class 3
Packing Group III
Hazchem Code 2(Y)
Poisons Schedule Not Scheduled
Product Use Laboratory use.

Physical Data

Appearance Liquid
Melting Point Not available
Boiling Point 79.2°C
Vapour Pressure Not available
Specific Gravity 0.893 @ 15°C
Flash Point 25°C
Flamm. Limit LEL Not available
Solubility in Water Soluble

Other Properties

Stability Stable under normal conditions.
Haz. Polymerization Will not occur.
Materials to Avoid Strong oxidising agents.

Ingredients

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Ethanol	64-17-5	60-100%
	Water	7732-18-5	30-60%
	Methanol	67-56-1	1-10%
	Sudan III	85-86-9	0.5%

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HEALTH HAZARD INFORMATION

Health Effects

- Acute - Swallowed** Ingestion of this product may irritate the gastric tract causing nausea and vomiting. Ingestion of large quantities may depress the central nervous system. Signs and symptoms are similar to those of alcohol intoxication.
- Acute - Eye** May cause eye irritation, tearing, stinging, blurred vision, and redness.
- Acute - Skin** May cause redness, itching and irritation.
- Acute - Inhaled** Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.
- Chronic -** Prolonged or repeated skin contact may cause defatting leading to dermatitis. Prolonged inhalation may cause central nervous system depression with symptoms including dizziness, drowsiness, nausea and headaches.

First Aid

- Swallowed** Do NOT induce vomiting. If a large amount has been swallowed, or if symptoms develop, contact a Poisons Information Centre (Phone 131 126) or a doctor at once.
- Eye** If in eye(s) wash out immediately with water. If symptoms persist seek medical attention.
- Skin** Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.
- Inhaled** Remove the source of contamination or move the victim to fresh air. Ensure airways are clear and have qualified person give oxygen through a face mask if breathing is difficult. Apply artificial respiration if not breathing. Seek medical attention.
- First Aid Facilities** Eye wash and normal washroom facilities.

Advice to Doctor

Advice to Doctor Treat symptomatically.

Other Health Hazard Information

PRECAUTIONS FOR USE

Exposure Limits	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	
	Ethanol			1880	1000	
	Methanol	328	250	262	200	

Other Exposure Info. TWA - the Time-Weighted Average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life. STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

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Other Exposure Info. According to current knowledge these concentrations should neither impair the health of, nor cause undue discomfort to, nearly all workers. These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. Exposure Standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Eng. Controls Use with good general ventilation. If mists or vapours are produced local exhaust ventilation should be used.

Personal Protection

Respirator Type (AS 1716) If engineering controls are not effective in controlling airborne exposure then an approved air respirator with a replaceable organic vapour filter should be used. Final choice of appropriate breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. 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.

Eye Protection Safety glasses with side shields, goggles or full face-shield should be worn as described in Australian Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Glove Type Impervious PVC or rubber gloves should be worn to avoid prolonged skin contact.

Clothing Suitable protective clothing should be worn e.g. cotton overalls buttoned at neck and wrist. When large quantities are handled the use of plastic aprons and rubber boots is recommended.

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.

Flammability

Fire Hazards FLAMMABLE. This product should be stored and used in a well ventilated area away from naked flames, sparks and other sources of ignition. Electrically 'link' and 'ground' metal containers for transfers of the product to prevent accumulation of static electricity. Keep the container tightly closed.

SAFE HANDLING INFORMATION

Storage and Transport

Storage Precautions Store in a cool, dry, well ventilated area away from sources of ignition. This product should be stored away from foodstuffs and strong oxidizing agents. For information on the design of the store-room, reference should be made to Australian Standard AS1940, The storage and handling of flammable and combustible liquids. Reference should also be made to any relevant Commonwealth, State or Territory regulations.

Transport This material is a Class 3 - Flammable Liquid according to The Australian Code for the Transport of Dangerous Goods by Road and Rail.

Class 3 - Flammable Liquids are incompatible in a placard load with any of the following:

- Class 1, Explosives

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- Class 2.1, Flammable Gases, if both the Class 3 and Class 2.1 dangerous goods are in bulk
- Class 2.3, Toxic Gases
- Class 4.2 Spontaneously Combustible Substances
- Class 5.1 Oxidising Agents and Class 5.2, Organic Peroxides
- Class 6 Toxic Substances (where the flammable liquid is nitromethane)
- Class 7 Radioactive Substances.

ADG Proper Shipping Name ETHANOL SOLUTIONS (ETHYL ALCOHOL SOLUTIONS)

EPG Number 3A1

IERG Number 14

Packaging Method 5.9.3RT1

Spills and Disposal

Spills & Leaks

Remove all sources of ignition. Increase ventilation. Wear appropriate breathing apparatus and full protective clothing to minimize skin and eye exposure. Place inert, non-combustible absorbent such as vermiculite, sand or dirt onto material. Collect the material and place into a suitable labelled container for subsequent disposal. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

Disposal

Dispose of according to relevant government regulations.

Fire Explosion Hazard

Fire/Explos. Hazard

This product is flammable. Vapours are heavier than air and will 'travel' to low-level areas e.g. sumps, drains, etc. and flashback. Precautions should be taken to eliminate the build up of explosive mixtures.

Hazardous Combustion Products

Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide.

Fire Fighting Procedures

Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode.

Extinguishing Media

Use dry agent, foam or water mist.

Hazchem Code

2(Y)

OTHER INFORMATION

Toxicology

No toxicity data is available for this product.

Environ. Protection

Prevent this material entering waterways, drains and sewers.

Risk Statement

R10 Flammable.

Safety Statement

S16 Keep away from sources of ignition - No smoking.

CONTACT POINT

Contact

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