

# Material Safety Data Sheet

Issue Date: October 2008      ISSUED by ENERGY RESOURCES GROUP PTY LTD

Product Name: **ERG ABS 300gram Aerosol**

UN Code Number **1950 (Aerosols)**

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

**Product Name:** ERG Anti Bacterial Spray, 300 Gram AEROSOL  
**Product Code:** ERGABS  
**Product Use:** Natural Anti Bacterial Spray  
**Company Name:** Energy Resources Group Pty Ltd ABN 69 089 684 177  
**Address:** 10/317-321 Whitehorse Road Nunawading Vic 3131  
**Telephone:** Tel (03) 9894 7100 Fax (03) 9894 7055

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

**Information on:** Product contains Alcohol, additives and hydrocarbons as propellant

### Composition

Ingredients Name	CAS	Proportion
Tea Tree Oil	68647-73-4	15 – 20%
Polymer (synthetic)	in confidence	0.7 – 1.9%
Ingredients determined not to be hazardous		Balance not required.
Propellant	Hydrocarbon Blend	< 30%

## 3. HAZARDS IDENTIFICATION

Not Classified as hazardous according to the criteria of NOHSC.  
Classified as a Dangerous Good According to the ADG Code.

## 4. FIRST AID MEASURES

**Inhalation** Remove affected person from contaminated area and if irritation persists, seek medical advice.  
If not breathing apply artificial respiration and seek urgent medical advice.

**Ingestion** Do NOT induce vomiting. Wash out mouth with water. Seek medical attention.

**Skin** Remove contaminated clothing and wash skin thoroughly with soap and water.  
Ensure contaminated clothing is washed before re-use or discard. If irritation develops, seek medical attention.  
Eye Flood eyes with plenty of water, holding eyelid(s) open. If irritation develops and persists, seek medical attention.

**First Aid Facilities** Eye wash station, safety showers and normal washroom facilities.

**Advice to Doctor** Treat symptomatically.

**Other Information** For advice may contact the Poisons Information Centre (Australia phone 131126) or a doctor at once.

## 5. FIRE FIGHTING MEASURES

**Extinguishing Media** Use foam, carbon dioxide or dry chemical to extinguish fire, use water spray to cool aerosol container.

**Specific Hazards:** FLAMMABLE. Aerosol containers may explode when heated. Keep away from naked flames, sparks and other sources of ignition. Vapors/air mixtures may ignite explosively. Flashback along the vapors trail may occur. Aerosols may become projectiles in a fire.

**Hazardous Combustion Products:** Combustion products include oxides of carbon.

**Precautions in connection with Fire:** Fire fighters should wear full protective clothing and self contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

For liquid spill: Wear appropriate personal protective equipment and clothing to minimize exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so.  
Increase ventilation. Evacuate all unnecessary personnel. If possible contain the spill.  
Place inert absorbent, non-combustible material onto spillage.  
Use clean non-sparking tools to collect the material and place into a suitable labeled container for subsequent disposal.  
Prevent contamination of ground water or surface water. Dispose of waste according to the Environmental Protection Authority (EPA), federal, state and local regulations.  
If large quantities of this material enter the waterways contact the EPA, or your local Waste Management Authority.

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## 7. HANDLING AND STORAGE

### Handling

Use in a well ventilated area. DO NOT store or use in confined spaces. Buildup of mists and vapors in the atmosphere must be prevented. Prevent concentration in hollows and sumps. Product is an asphyxiate; therefore do not enter these areas until atmosphere has been checked. Avoid breathing in spray or mists or vapors. Do not use near welding or other ignition sources and avoid sparks. Do not puncture cans. Do not incinerate empty cans. Do not smoke.

When dealing with large quantities, repeated or prolonged skin exposure without protection should be prevented in order to lessen the possibility of skin disorders. It is essential that all who come into contact with this material maintain high standards of personal hygiene i.e. washing hands prior to eating, drinking, and smoking or using toilet facilities.

### Storage

Store in a cool, dry, well-ventilated area away from heat, sources of ignition, oxidizing agents, foodstuffs, and clothing and out of direct sunlight. Protect containers against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Do NOT pressurize, cut or heat aerosol containers. Content is under pressure and can explode violently. For information on the design of the storeroom, reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids. Reference should also be made to all Local, State and Federal regulations.

## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

### Exposure Limits

No value assigned for this specific material by the Australian National Occupational Health and Safety Commission (NOHSC). As with all chemicals, exposure should be kept to lowest possible levels.

### Other Exposure Information

This product contains an asphyxiate and the minimum oxygen content in air should be 18% by volume under normal atmospheric pressure.

### Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used suitable for protecting against airborne contaminants. 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 or full-face shield as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances ie. Methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform to Australian/New Zealand Standard AS/NZS 1337- Eye protectors for Industrial Applications.

### Hand Protection

Impervious gloves recommended. Final choice of appropriate gloves will vary according to individual circumstances ie. Methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161 Occupational protective gloves- Selection, use and maintenance.

### Body Protection

Wear appropriate clothing including chemical resistant apron where clothing is likely to be contaminated. It is advisable that a local supplier of personal protective clothing is consulted regarding the choice of material.

**Engineering Controls** Provide sufficient ventilation to keep airborne levels as low as possible. Where vapors or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required. Refer to AS 1940 - The storage and handling of flammable and combustible liquids and AS 2430 - Explosive gas atmospheres for further information concerning ventilation requirements.

### Other Information

No biological limit allocated.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear spray.  
**Melting Point:** Not Available  
**Boiling Point:** Not Available  
**Solubility in Water:** Insoluble  
**Specific Gravity:** 0.85 (H2O=1)  
**Vapor Pressure:** 55 psi (approximately)  
**Vapor Density:** Not Available (Air=1)  
**Volatile Component:** 90% (Approximately)  
**Flash Point:** -300C  
**Flammability:** Flammable.  
**Ignition Temperature:** Not Available  
**Flammable Limits LEL:** 1. 2%  
**Flammable Limits UEL:** 7.5%

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions of storage and handling.  
**Materials to Avoid:** Strong oxidizing agents.  
**Hazardous Decomposition.**  
**Products:** Oxides of carbon  
**Hazardous Reaction:** Hazardous reaction with strong oxidizing agents.  
**Conditions to Avoid:** Extremes of temperature.

## 11. TOXICOLOGICAL INFORMATION

**Toxicology Information:** Product contains less than 0.1% butadiene.  
**Inhalation:** Vapors or mists generated in confined and/or poorly ventilated areas, may cause respiratory system irritation, headache, nausea and dizziness. Deliberate misuse of aerosol sprays can have an adverse affect the CNS, resulting in confusion, lack of coordination; can cause hallucinations, perceptual distortions and euphoria. Solvent misuse can cause death.  
**Ingestion:** Not a likely source of exposure. Ingestion of liquid may cause irritation of the gastrointestinal system. Symptoms may include nausea, vomiting and diarrhea.  
**Skin:** May cause irritation to skin. Symptoms may include redness and itchiness. Repeated or prolonged skin contact may lead to dermatitis.  
Eye Irritating to eyes. Eye contact and high concentration of solvent vapor may cause symptoms including redness, excessive tearing, stinging and swelling.  
**Chronic Effects:** Prolonged and/or repeated skin contact with this product will cause irritation and could lead to drying and de-fatting, possibly leading to dermatitis.

## 12. ECOLOGICAL INFORMATION

**Environ. Protection:** Do not allow product to enter drains, waterways or sewers.  
**Mobility:** Data not available for this specific product.  
**Persistence / Degradability:** Data not available for this specific product.  
**Bioaccumulation:** Data not available for this specific product.  
**Ecotoxicity:** Data not available for this specific product.

## 13. DISPOSAL CONSIDERATIONS

Dispose of waste according to Environmental Protection Authority, federal, state and local regulations.

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## 14. TRANSPORT INFORMATION

This material is classified as a Class 2.1 Dangerous Good according to the Australian Code for the Transport of Dangerous Goods.

Class 2.1 Flammable

Gases shall not be loaded or packed in the same vehicle or freight as:

- Class 1, Explosives
- Class 3, Flammable Liquids (It both the Class 2.1 and Class 3 dangerous goods are in bulk),
- Class 4.1, Flammable Solids
- Class 4.2, Spontaneously Combustible Substances
- Class 4.3, Dangerous When Wet Substances
- Class 5.1, Oxidizing Agents
- Class 5.2, Organic Peroxides
- Class 7, Radioactive Substances.

UN Number 1950

Proper Shipping AEROSOLS

Name

DG Class 2.1

Packaging Method 5.9.2

EPG Number 2D1

IERG Number 49

## 15. REGULATORY INFORMATION

Risk Phrase

Safety Phrase

Poisons Schedule

Hazard Category

## 16. OTHER INFORMATION

USE: NATURAL ANTI BACTERIAL SPRAY

NOTE: ERG PRODUCTS ARE NOT FORMULATED TO CONTAIN PCBS.

This MSDS meets Worksafe Australia accepted format requirements.

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Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of the product for particular uses are beyond our control; all risks of use of the are therefore assumed by the user and WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. Nothing is intended as a recommendation for uses which infringe valid patents or as extending license under valid patents.

Appropriate warnings and safe handling procedures should be provided to handlers and users.

For further information, contact:

**Energy Resources Group Pty Ltd**

10/317-321 Whitehorse Road  
Nunawading Victoria 3131 Australia

Telephone: 61 3 9894 7100  
Fax 61 3 9894 7055

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