

# Safety Data Sheet

Infosafe No™ LQ18L Issue Date : June 2013 ISSUED by BARNES

Product Name : E236

Not classified as hazardous

## 1. Identification

**GHS Product Identifier** E236  
**Company Name** Barnes Products Pty Ltd (ABN 004 011 456)  
**Address** 6 Homedale Road Bankstown  
NSW 2200  
**Telephone/Fax Number** Tel: (02) 9793 7555  
Fax: (02) 9793 7091  
**Emergency phone number** (02) 9793 7555  
**Recommended use of the chemical and restrictions on use** Release agent

**Other Names**

Name

Product Code

STONER E236  
URETHANE MOULD RELEASE

**Other Information**

Information provided has been prepared in good faith and believed to be correct. Barnes Products Pty Limited make no warranty either express or implied as to completeness, accuracy thereof, misuse or misinterpretation of this information.

## 2. Hazard Identification

**GHS classification of the substance/mixture** Not classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.  
Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

## 3. Composition/information on ingredients

<b>Ingredients</b>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Halogenated hydrocarbon ether blend		>60-100 %
	Ingredient determined not to be hazardous	Not required	Balance

## 4. First-aid measures

**Inhalation** If inhaled, remove affected person from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.

**Ingestion** Unlikely to occur due to the physical state of the product. However, if ingested, rinse mouth with water. Do NOT induce vomiting. Seek medical attention.

**Skin** Remove contaminated clothing and shoes immediately. Clothing frozen to the skin should be thawed before being removed. For Frostbite: Flush affected areas with lukewarm water. Do not use hot water. Treat as thermal burns. Seek IMMEDIATE medical attention.

**Eye contact** If eye tissue is frozen, seek IMMEDIATE medical attention. If tissue is not frozen, immediately irrigate with copious amounts of water for at least 15 minutes. Eyelids to be held open. Seek medical attention

**First Aid Facilities** Eyewash and normal washroom facilities

**Advice to Doctor** Treat symptomatically.

**Other Information** For advice in an emergency, contact a Poisons Information Centre (Phone Australia 13 1126) or a doctor at once.

## 5. Fire-fighting measures

**Suitable extinguishing media** Use carbon dioxide, dry chemical, foam, water fog or water mist.

**Hazards from Combustion Products** Under fire conditions this product may emit toxic and/or irritating fumes and gases including carbon monoxide, carbon dioxide, oxides of nitrogen, hydrofluoric acid and carbonyl fluoride.

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<b>Specific hazards arising from the chemical</b>	Contents under pressure - cans can explode in a fire or may become a projectile in a fire. Nonflammable aerosol as determined by ASTM D3065-94. However contains flammable ingredients which may be ignited under certain circumstances.
<b>Hazchem Code</b>	2YE
<b>Precautions in connection with Fire</b>	Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. In case of fire the product may be violently or explosively reactive. Use water spray to disperse vapours. This product should be prevented from entering drains and watercourses.

## 6. Accidental release measures

<b>Emergency Procedures</b>	Extinguish or remove all sources of ignition and stop leak if safe to do so. Wear appropriate personal protective equipment and clothing to prevent exposure. Evacuate all unprotected personnel. Water spray or fog may be used to disperse/absorb vapour if any. If safe, damaged cans should be placed in a container outdoors, away from ignition sources, until pressure has dissipated. Undamaged cans should be gathered and stowed safely. Place inert, non-combustible absorbent material onto liquid spillage. Collect residues and seal in labelled drums for disposal. If contamination of sewers or waterways occurs inform the local water authorities and waste management authorities in accordance with local regulations. Dispose of waste according to applicable local and national regulations.
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## 7. Handling and storage

<b>Precautions for Safe Handling</b>	Use in a well ventilated area. Wear appropriate protective equipment. Use smallest possible amounts in designated areas with adequate ventilation. Maintain high standards of personal hygiene ie. washing hands prior to eating, drinking, smoking or using toilet facilities. Do NOT puncture, cut or heat containers as they may contain hazardous residues. Keep away from heat, sparks, and flames. Keep container closed when not in use.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in a cool, dry, well ventilated area away from sources of ignition, oxidising agents, corrosive materials, foodstuffs, clothing and out of direct sunlight. Protect container 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 pressurise, 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 AS 2278-2000 Non-refillable metal aerosol dispensers of capacity 50 mL to 1000 mL inclusive. Reference should also be made to all Local, State and Federal regulations.
<b>Storage Temperatures</b>	Do not store above 50°C

## 8. Exposure controls/personal protection

<b>Occupational exposure limit values</b>	No exposure standards have been established for this material by Safe Work, Australia. 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.
<b>Biological Limit Values</b>	No biological limits allocated.
<b>Appropriate engineering controls</b>	Provide sufficient ventilation to keep airborne levels below the exposure limits. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required
<b>Respiratory Protection</b>	If engineering controls are not effective in controlling airborne exposure then an approved respirator with a air supply should be used. Reference should be made to Australian/New Zealand 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
<b>Eye Protection</b>	Safety glasses with side shields, goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering

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<b>Hand Protection</b>	controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.
<b>Body Protection</b>	Wear chemically resistant gloves. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance. Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

## 9. Physical and chemical properties

<b>Appearance</b>	Colourless clear
<b>Odour</b>	Slightly ethereal
<b>Melting Point</b>	Not available
<b>Boiling Point</b>	Not available
<b>Solubility in Water</b>	Negligible; 0 - 1%
<b>Specific Gravity</b>	0.80
<b>pH</b>	Not available
<b>Vapour Pressure</b>	544kPa (21°C)
<b>Vapour Density (Air=1)</b>	2.04
<b>Evaporation Rate</b>	0.1 - 0.5 (n-Butyl acetate = 1)
<b>Physical State</b>	Aerosol can
<b>Odour Threshold</b>	Not available
<b>Viscosity</b>	Not available
<b>Partition Coefficient: n-octanol/water</b>	Not available
<b>Flash Point</b>	Not available
<b>Flammability</b>	Non-flammable gas
<b>Auto-Ignition Temperature</b>	Not available
<b>Flammable Limits - Lower</b>	Not available
<b>Flammable Limits - Upper</b>	Not available

## 10. Stability and reactivity

<b>Reactivity</b>	Reacts with incompatibles
<b>Chemical Stability</b>	Stable under normal conditions of storage and handling.
<b>Conditions to Avoid</b>	Heat, flames and other sources of ignition.
<b>Incompatible Materials</b>	Avoid contact with: Strong oxidizing agents, acetic acid, organic acid anhydrides, powdered metals, alkali, alkaline earth metals, peroxides.
<b>Hazardous Decomposition Products</b>	If heated with peroxides present, violent decomposition can occur. This material can be decomposed by extremely high temperatures forming carbon monoxide, carbon dioxide, hydrofluoric acid and carbonyl fluoride.

## 11. Toxicological Information

<b>Toxicology Information</b>	No toxicity data available for this product.
<b>Ingestion</b>	Ingestion unlikely due to form of product. Swallowing small amounts is not likely to be harmful; swallowing large amounts may cause harm as material can enter the lungs and cause lung inflammation and damage.

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<b>Inhalation</b>	Breathing of large amounts may be harmful. Inhalation above recommended exposure limits may cause temporary Central nervous system depression with anaesthetic effects such as dizziness, weakness, fatigue, nausea, headaches, lack of coordination and loss of consciousness. May cause irritation to the mucous membrane and upper airways, especially where vapours or mists are generated. Symptoms include sneezing, coughing, wheezing, shortness of breath, headache, dizziness, drowsiness, nausea and vomiting.
<b>Skin</b>	May cause frostbite injuries to skin on contact resulting in redness, tissue destruction. May be irritating to skin. The symptoms may include redness, itching and swelling.
<b>Eye</b>	May cause frostbite injuries to eyes on contact resulting in stinging, tearing, blurred vision and possibly permanent damage to eyes.
<b>Respiratory sensitisation</b>	Not expected to be a respiratory sensitiser
<b>Skin Sensitisation</b>	Not expected to be a skin sensitiser
<b>Germ cell mutagenicity</b>	Not considered to be a mutagenic hazard
<b>Carcinogenicity</b>	Not considered to be a carcinogenic hazard
<b>Reproductive Toxicity</b>	Not considered to be toxic to reproduction
<b>STOT-single exposure</b>	Not considered to cause toxicity to a specific target organ
<b>STOT-repeated exposure</b>	Not considered to cause toxicity to a specific target organ
<b>Aspiration Hazard</b>	Not expected to be an aspiration hazard

## 12. Ecological information

<b>Ecotoxicity</b>	No ecological data are available for this material.
<b>Persistence and degradability</b>	Not available
<b>Mobility</b>	Not available
<b>Bioaccumulative Potential</b>	Not available
<b>Environmental Protection</b>	Do not discharge this material into waterways, drains and sewers.

## 13. Disposal considerations

<b>Disposal Considerations</b>	Dispose of waste according to applicable local and national regulations. Do not pierce, burn, cut, puncture or weld on or near containers. Empty containers may contain hazardous residues. Empty the container completely before disposal. Contaminated containers must not be treated as household waste.
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## 14. Transport information

<b>Transport Information</b>	Road and Rail Transport (ADG Code): This material is classified as Dangerous Goods Division 2.2 - Non-flammable Non-toxic Gases according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition) Division 2.2 Dangerous Goods are incompatible in a placard load with any of the following: - Class 1, Explosives Division 2.1 Flammable Gases when the Division 2,2 gas has a subsidiary risk 5.1 except when all are packed in cylinders or pressure drums not exceeding 500L capacity. Division 2.3 Toxic Gases when the Division 2,2 gas has a subsidiary risk 5.1 except when all are packed in cylinders or pressure drums not exceeding 500L capacity. - Division 4.2, Spontaneously Combustible Substances - Division 5.2, Organic Peroxides
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Marine Transport (IMO/IMDG):  
Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.  
Division: 2.2  
EmS: F-D,S-U  
UN-No: 1950  
Special Provisions: 63 190 277 327 344 959  
Proper Shipping Name: Aerosols

Air Transport (ICAO/IATA):  
Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.  
Division: 2.2  
Packaging Instructions (cargo only): 203  
Packaging Instructions (passenger & cargo): 203  
Special Provisions: A98, A145, A167, A802  
UN-No: 1950  
Proper Shipping Name: Aerosols, non-flammable  
1950

U.N. Number

UN proper shipping name

Transport hazard class(es)

Hazchem Code

EPG Number

IERG Number

IMDG Marine pollutant

## 15. Regulatory information

**Regulatory Information** Not classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia  
Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

**Poisons Schedule** Not Scheduled

## 16. Other Information

**Date of preparation or last revision of SDS** SDS Reviewed: June 2013  
Supersedes: June 2012

**Literature References** Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.  
Standard for the Uniform Scheduling of Medicines and Poisons.  
Australian Code for the Transport of Dangerous Goods by Road & Rail.  
Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.  
Workplace exposure standards for airborne contaminants, Safe work Australia.  
American Conference of Industrial Hygienists (ACGIH).  
Globally Harmonised System of classification and labelling of chemicals.

**Contact Person/Point** Managing Director (02) 9838 0222  
After hours (02) 9487 7231  
...End Of MSDS...

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