

# SAFETY DATA SHEET

## MORTEIN FAST KNOCKDOWN MULTI INSECT KILLER

Infosafe No.: AACE2  
ISSUED Date : 08/06/2021  
ISSUED by: RB (HYGIENE HOME) AUSTRALIA  
PTY LTD

### 1. Identification

**GHS Product Identifier**

MORTEIN FAST KNOCKDOWN MULTI INSECT KILLER

**Product Code**

SDS #: D8388064 v1.0L

**Company name**

RB (HYGIENE HOME) AUSTRALIA PTY LTD (ABN 58 629 549 506)

**Address**

680 George St Sydney  
NSW 2000 AUSTRALIA

**Telephone/Fax Number**

Tel: +61 (0)2 9857 2000

**Emergency phone number**

Poison information contact: 13 11 26

**Recommended use of the chemical and restrictions on use**

Material uses : Household insecticide

**Other Names**

Name	Product Code
MORTEIN FAST KNOCKDOWN MULTI INSECT KILLER	Formulation #: FF8054022 v 3.0
MORTEIN FAST KNOCKDOWN MULTI INSECT KILLER	Formulation #: FF8054022 v 3.0
MORTEIN FAST KNOCKDOWN MULTI INSECT KILLER	SDS #: D8388064 v1.0L

### 2. Hazard Identification

**GHS classification of the substance/mixture**

Flammable Aerosol: Category 1

Gases under Pressure: Compressed Gas

Skin Corrosion/Irritation: Category 2

**Signal Word (s)**

DANGER

**Hazard Statement (s)**

Extremely flammable aerosol.

Contains gas under pressure; may explode if heated.

Causes skin irritation.

**Precautionary statement – General**

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

**Pictogram (s)**

Flame,Gas cylinder,Exclamation mark

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### Precautionary statement – Prevention

Wear protective gloves.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Do not spray on an open flame or other ignition source.

Wash thoroughly after handling.

Do not pierce or burn, even after use.

### Precautionary statement – Response

Take off contaminated clothing and wash before reuse.

### Precautionary statement – Storage

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

### Precautionary statement – Disposal

Not Applicable

### Supplemental Information

Not applicable.

### Other Information

HSNO Classification : 2.1.2A, 6.3B, 9.1 (All)

### GHS label elements

Additional information : No known significant effects or critical hazards.

Recommendations : No known significant effects or critical hazards.

Recommendations : No known significant effects or critical hazards.

Other hazards which do not result in classification: None known.

## 3. Composition/information on ingredients

### Ingredients

Name	CAS	Proportion
isobutane	75-28-5	$\geq 30 - \leq 60$ %(w/w)
esbiothrin	84030-86-4	$\leq 0.1$ %(w/w)
Permethrin	52645-53-1	$\leq 0.05$ %(w/w)
Imiprothrin	72963-72-5	$\leq 0.05$ %(w/w)
butane	106-97-8	$\geq 10 - \leq 30$ %(w/w)
propane	74-98-6	$\geq 10 - \leq 30$ %(w/w)

### Other Information

Substance/mixture : Mixture

Other Non-hazardous ingredients to 100%

Occupational exposure limits, if available, are listed in Section 8.

## 4. First-aid measures

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### Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### Ingestion

Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### Skin

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

### Eye contact

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

### Advice to Doctor

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

### Indication of immediate medical attention and special treatment needed if necessary

Specific treatments : No specific treatment.

### Protection for First Aiders

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

### Most important symptoms/effects, acute and delayed

Over-exposure signs/symptoms:

Eye contact:

Adverse symptoms may include the following:

pain or irritation

watering

redness

Inhalation:

Adverse symptoms may include the following:

respiratory tract irritation

coughing

Skin contact:

Adverse symptoms may include the following:

irritation

redness

Ingestion: No specific data.

### Other Information

See toxicological information (Section 11)

## 5. Fire-fighting measures

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### Suitable Extinguishing Media

Use an extinguishing agent suitable for the surrounding fire.

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### Unsuitable Extinguishing Media

None known.

### Hazards from Combustion Products

Decomposition products may include the following materials:

carbon dioxide

carbon monoxide

### Specific Hazards Arising From The Chemical

Extremely flammable aerosol. Runoff to sewer may create fire or explosion hazard.

In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed.

### Decomposition Temperature

Not available.

### Precautions in connection with Fire

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk.

Use water spray to keep fire-exposed containers cool.

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6. Accidental release measures

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### Emergency Procedures

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

### Personal Precautions

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training.

Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. In the case of aerosols being ruptured, care should be taken due to the rapid escape of the pressurized contents and propellant. If a large number of containers are ruptured, treat as a bulk material spillage according to the instructions in the clean-up section. Do not touch or walk through spilled material.

Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

### Clean-up Methods - Small Spillages

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble.

Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

### Clean-up Methods - Large Spillages

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13).

Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

### Environmental Precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Other Information

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

## 7. Handling and storage

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### Precautions for Safe Handling

Protective measures: Put on appropriate personal protective equipment (see Section 8). Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C.

Do not pierce or burn, even after use. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing gas. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate.

Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment.

Use only non-sparking tools. Empty containers retain product residue and can be hazardous.

Advice on general occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

### Conditions for safe storage, including any incompatibilities

Do not store above the following temperature: 50°C (122°F). Store in accordance with local regulations. Store away from direct sunlight in a dry, cool and wellventilated area, away from incompatible materials (see Section 10) and food and drink. Protect from sunlight. Eliminate all ignition sources. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Do not store above the following temperature: 50 °C

## 8. Exposure controls/personal protection

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### Occupational exposure limit values

Control parameters

Australia:

Occupational exposure limits

Ingredient name: isobutane

Exposure limits:

ACGIH TLV (United States, 3/2018).

STEL: 1000 ppm 15 minutes.

Ingredient name: butane

Exposure limits:

Safe Work Australia (Australia, 1/2014).

TWA: 1900 mg/m<sup>3</sup> 8 hours.

TWA: 800 ppm 8 hours.

Ingredient name: propane

Exposure limits:

ACGIH TLV (United States, 3/2018). Oxygen Depletion  
[Asphyxiant].

New Zealand

Occupational exposure limits : No exposure standard allocated.

Ingredient name: Isobutane

Exposure limits:

ACGIH TLV (United States, 3/2018).

STEL: 1000 ppm 15 minutes.

Ingredient name: butane

Exposure limits:

NZ HSWA 2015 (New Zealand, 2/2013).

WES-TWA: 800 ppm 8 hours.

WES-TWA: 1900 mg/m<sup>3</sup> 8 hours.

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Ingredient name: propane

Exposure limits:

NZ HSWA 2015 (New Zealand, 11/2017). Oxygen

Depletion [Asphyxiant].

Ingredient name: 2,6-di-tert-butyl-p-cresol

Exposure limits:

NZ HSWA 2015 (New Zealand, 11/2017).

WES-TWA: 10 mg/m<sup>3</sup> 8 hours.

### Appropriate engineering controls

Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Respiratory Protection

Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

### Eye Protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

### Hand Protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

### Body Protection

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

### Hygiene Measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Appropriate techniques should be used to remove potentially contaminated clothing.

Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

## 9. Physical and chemical properties

Properties	Description	Properties	Description
Form	Aerosol - Liquid	Colour	Clear. Yellowish.
Odour	Citrus	Decomposition Temperature	Not available.
Melting Point	Not available.	Boiling Point	Not available.
Solubility in Water	Not available.	pH	Not available.
Vapour Pressure	Not available.	Vapour Density (Air=1)	Not available.
Evaporation Rate	Not available.	Odour Threshold	Not available.
Viscosity	Not available.	Partition Coefficient: n-octanol/water	Not available.
Flash Point	>66°C (Closed Cup) >150.8°F (Closed Cup)	Flammability	Not available. (solid, gas)
Auto-Ignition Temperature	Not available.	Flammable Limits - Lower	Not available.
Flammable Limits - Upper	Not available.	Explosion Limit - Upper	Not available.
Explosion Limit - Lower	Not available.	Relative density	Not available.

### Other Information

Solubility: Insoluble in the following materials: cold water and hot water.

Flow time (ISO 2431) : Not available.

Aerosol product

Type of aerosol : Spray

Heat of combustion : 0

## 10. Stability and reactivity

### Reactivity

No specific test data related to reactivity available for this product or its ingredients.

### Chemical Stability

The product is stable.

### Conditions to Avoid

Avoid all possible sources of ignition (spark or flame).

### Incompatible materials

No specific data.

### Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

## 11. Toxicological Information

### Toxicology Information

Acute toxicity:

Product/ingredient name

Result / Species / Dose / Exposure

isobutane

LC50 Inhalation Vapor Rat 658000 mg/m<sup>3</sup> 4 hours

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### Butane

LC50 Inhalation Vapor Rat 658000 mg/m<sup>3</sup> 4 hours

### Mortein Fast Knockdown Multi Insect Killer\_FF8054022\_D8388064 ANZ

LC50 Inhalation Dusts and mists Rat >4.81 mg/l 4 hours

LD50 Dermal Rat >2000 mg/kg -

LD50 Oral Rat >2000 mg/kg -

Conclusion/Summary : \* Not classified. Harmful . Information is based on toxicity test result of the concentrate.

### Irritation/Corrosion:

Product/ingredient name

Result / Species / Score / Exposure / Observation

Mortein Fast Knockdown Multi Insect Killer\_FF8054022\_D8388064 ANZ

Skin - Irritant Rabbit - - -

Skin - Non-irritating to the eyes. Mouse 0 - -

### Sensitisation:

Product/ingredient name / Route of exposure / Species / Result

Mortein Fast Knockdown Multi Insect Killer\_FF8054022\_D8388064 ANZ skin Rat Not sensitizing

### Teratogenicity:

Not available.

Conclusion/Summary : Based on available data, the classification criteria are not met.

Information on likely routes of exposure: Not available.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact:

Adverse symptoms may include the following:

pain or irritation

watering

redness

Inhalation:

Adverse symptoms may include the following:

respiratory tract irritation

coughing

Skin contact:

Adverse symptoms may include the following:

irritation

redness

Ingestion: No specific data.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Short term exposure

Potential immediate effects: Not available.

Potential delayed effects: Not available.

Long term exposure

Potential immediate effects: Not available.

Potential delayed effects: Not available.

Numerical measures of toxicity

Acute toxicity estimates:

Not available.



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### **Ingestion**

No known significant effects or critical hazards.

### **Inhalation**

No known significant effects or critical hazards.

### **Skin**

Causes skin irritation.

### **Eye**

No known significant effects or critical hazards.

### **Skin corrosion/irritation**

Conclusion/Summary:

\* Irritating to skin. Information is based on toxicity test result of the concentrate.

### **Serious eye damage/irritation**

Conclusion/Summary:

\* Non-irritating to the eyes. Information is based on toxicity test result of the concentrate.

### **Mutagenicity**

Not available.

Conclusion/Summary : Based on available data, the classification criteria are not met.

### **Skin Sensitisation**

Conclusion/Summary:

\* Non-sensitizer to skin. Information is based on toxicity test result of the concentrate.

### **Carcinogenicity**

Not available.

Conclusion/Summary : Based on available data, the classification criteria are not met.

### **Reproductive Toxicity**

Not available.

Conclusion/Summary : Based on available data, the classification criteria are not met.

### **STOT-single exposure**

Not available.

### **STOT-repeated exposure**

Not available.

### **Aspiration Hazard**

Not available.

### **Chronic Effects**

Not available.

Conclusion/Summary : Based on available data, the classification criteria are not met.

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

## 12. Ecological information

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### Ecotoxicity

Product/ingredient name

Result / Species / Exposure

Mortein Fast Knockdown Multi Insect Killer\_FF8054022\_D8388064 ANZ

Acute EC50 47.11 mg/l Algae - Pseudokirchneriella subcapitata 72 hours

Acute EC50 1.38 mg/l Fresh water Daphnia - Daphnia magna 48 hours

Acute LC50 5.24 mg/l Fresh water Fish - Danio rerio 96 hours

Conclusion/Summary : \* Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment. Information is based on toxicity test result of the concentrate of a similar product.

### Persistence and degradability

Not available.

### Mobility

Mobility in soil

Soil/water partition coefficient (KOC): Not available.

### Bioaccumulative Potential

Product/ingredient name / LogPow / BCF / Potential

isobutane 2.8 - low

butane 2.89 - low

propane 1.09 - low

### Other Adverse Effects

No known significant effects or critical hazards.

## 13. Disposal considerations

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### Waste Disposal

The generation of waste should be avoided or minimized wherever possible.

Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Do not puncture or incinerate container.

## 14. Transport information

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### U.N. Number

1950

### UN proper shipping name

AEROSOLS

### Transport hazard class(es)

2.1

### IERG Number

49

### UN Number (Air Transport, ICAO)

1950

### IATA/ICAO Proper Shipping Name

Aerosols, flammable

### IATA/ICAO Hazard Class

2.1

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### IMDG UN No

1950

### IMDG Proper Shipping Name

AEROSOLS

### IMDG Hazard Class

2.1

### Special Precautions for User

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

### Other Information

ADG

UN number: UN1950

UN proper shipping name: AEROSOLS

Transport hazard class (es): 2.1

Environmental hazards: Yes. The environmentally hazardous substance mark is not required.

ADR/RID

UN number: UN1950

UN proper shipping name: AEROSOLS

Transport hazard class (es): 2.1

Environmental hazards: Yes.

IMDG

UN number: UN1950

UN proper shipping name: AEROSOLS

Transport hazard class (es): 2.1

Environmental hazards: Yes.

IATA

UN number: UN1950

UN proper shipping name: Aerosols, flammable

Transport hazard class (es): 2.1

Environmental hazards: Yes. The environmentally hazardous substance mark is not required.

### Additional information

ADG

Special provisions: 63, 190, 277, 327, 344

ADR/RID:

The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.

Limited quantity: 1 L

Special provisions: 190, 327, 625, 344

Tunnel code: (D)

IMDG

The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.

Emergency schedules: F-D, S-U

Special provisions: 63, 190, 277, 327, 344, 959

IATA

The environmentally hazardous substance mark may appear if required by other transportation regulations.

Quantity limitation

Passenger and Cargo Aircraft: 75 kg. Packaging instructions: 203. Cargo Aircraft Only: 150 kg. Packaging instructions: 203. Limited Quantities - Passenger Aircraft: 30 kg. Packaging instructions: Y203.

Special provisions: A145, A167, A802

Transport in bulk according to IMO instruments: Not available.

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### Regulatory information

Standard for the Uniform Scheduling of Medicines and Poisons:  
Not scheduled

Model Work Health and Safety Regulations - Scheduled Substances:  
No listed substance

New Zealand Inventory of Chemicals (NZIoC): Not applicable

HSNO Approval Number : HSR100608

Approved Handler Requirement: No

Tracking Requirement : No

Australian Pesticides and Veterinary Medicines Authority (APVMA) No. 69354

### Poisons Schedule

Not Scheduled

### Australia (AICS)

Not applicable

## 16. Other Information

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### References

Not available.

### User Codes

User Title Label	User Codes
Wis Numbers	00343570
Wis Numbers	00482204

### Revisions Highlighted

Revision comments : Not applicable.

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### Other Information

This SDS is prepared in accord with the SWA document "Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice" (Feb 2016).

Key to abbreviations :

ADG = Australian Dangerous Goods

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.

("Marpol" = marine pollution)

NOHSC = National Occupational Health and Safety Commission

SUSMP = Standard Uniform Schedule of Medicine and Poisons

UN = United Nations

Version: 1.0L

Procedure used to derive the classification:

Classification / Justification

FLAMMABLE AEROSOLS - Category 1 On basis of test data

GASES UNDER PRESSURE - Compressed gas On basis of test data

SKIN CORROSION/IRRITATION - Category 2 Expert judgment

Indicates information that has changed from previously issued version.

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