



MATERIAL SAFETY DATA SHEET

Resolute

Issue date: May 2008

SECTION 1: SUBSTANCE IDENTIFICATION AND SUPPLIER

Product name: Resolute

Recommended Use: Energy Drench.

Company identification address:
 1229 Maraekakaho Road
 Hastings 4175
 New Zealand
 Phone (06) 873 3611

Poisons Information Centre: 0800-764-766
 Or CHEMCAL 0800-243-622 24hr emergencies only

Transport Emergency 111 Fire and police

SECTION 2: HAZARD IDENTIFICATION

2.1 Hazard classification: Not hazardous

2.2 Risk phrase(s): Not applicable

2.3 Safety phrase(s): Not applicable

SECTION 3: COMPOSITION INFORMATION

INGREDIENT	SEQUENCE NUMBER	CAS Number.	Percent
Deionised water	01	7732-18-5	85-95%
Monopropylene glycol	02	57-55-6	<20%
Molasses	03	68476-78-8	<20%
Calcium Carbonate Precipitated	04	471-34-1	<20%
Soyabean Oil	05	8001-22-27	<20%
Magnesium sulphate heptahydrate	06	10034-99-8	<10%
Ethoxylated Nonyl Phenol	07	9016-45-9	10-20%

PHYSICAL/CHEMICAL CHARACTERISTICS:

AppAppearance: Dark brown viscous liquid

Boiling Point: NA

Vapour Pressure(MM Hg/70 F): NA

Specific gravity: 1.15

Evaporation rate and ref: <1 (BUAC=1)

Solubility in water: Excellent

PH: 7.0

SECTION 4: FIRST AID MEASURES

For advice contact the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately.

4.1 **Swallowed:** No known effects if swallowed.

4.2 **Skin:** No known effects on contact.

4.3 **Eye:** The material may produce irritation to the eye causing pronounced inflammation. Immediately flush eyes with water for at least 15 minutes, while holding eyelid open. Seek medical attention at once.

SECTION 5: FIRE FIGHTING MEASURES

- | | | |
|-----|--|---|
| 5.1 | Flash point: | NA |
| 5.2 | Lower explosive limit: | NA |
| 5.3 | Upper explosive limit: | NA |
| 5.4 | Extinguishing media: | Use media suitable for surrounding materials. |
| 5.5 | Unusual fire and explosive hazards: | None known |

SECTION 6: STABILITY/REACTIVITY DATA:

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|-----|--|----------------------------------|
| 6.1 | Stability: | Yes |
| 6.2 | Cond to avoid (stability): | None under normal use conditions |
| 6.3 | Materials to avoid: | None known |
| 6.4 | Hazardous decomposition products: | None known |

SECTION 7: HEALTH HAZARD DATA:

- | | | |
|-----|---|----|
| 7.1 | Route of entry-inhalation: | No |
| 7.2 | Route of entry-skin: | No |
| 7.3 | Route of entry-ingestion: | No |
| 7.4 | Health hazard acute and chronic: | No |

SECTION 8: CHEMWATCH HAZARD RATINGS:

- | | | |
|-----|----------------------|---------|
| 8.1 | Flammability: | Min/Nil |
| 8.2 | Toxicity: | Low |
| 8.3 | Body contact: | Nil |
| 8.4 | Reactivity: | Nil |
| 8.5 | Chronic: | Min/Nil |

SECTION 10: PHYSICAL DESCRIPTION/PROPERTIES

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|------|--------------------|---------------------|
| 10.1 | Appearance: | Dark viscous liquid |
|------|--------------------|---------------------|

SECTION 11. HEALTH HAZARD/ACUTE HEALTH EFFECTS

- | | | |
|------|-------------------|---|
| 11.1 | Swallowed: | Nausea and vomiting. |
| 11.2 | Eye: | The material may produce irritation to the eye causing pronounced inflammation. Immediately flush eyes with water for at least 15 Minutes, while holding eyelid open. Seek medical attention at once. |
| 11.3 | Skin: | Safe for contact with skin |

SECTION 12: PERSONAL PROTECTION

In diluted form no protective equipment required.

EYE Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them.

SECTION 13: STORAGE AND TRANSPORT

- 13.1 **Suitable Container:** Packaging as recommended by manufacturer. Check that containers are clearly labeled.
- 13.2 **Storage Incompatibility:** Observe manufacturer's storing and handling recommendations. Keep containers securely sealed. Store in a cool, dry and well-ventilated area. Store away from incompatible materials. Protect containers against physical damage. Check regularly for spills and leaks.

SECTION 16: ADDITIONAL INFORMATION

As of the date of preparation of this document, the foregoing information is believed to be accurate and is provided in good faith. However, no warranty or representation with respect to such information is intended or given.