SECTION 1 – PRODUCT IDENTIFICATION

Product Name: WASHING MACHINE MAGIC - INDUSTRIAL STRENGTH
Other Names:
Manufacturer’s Product Code:

Distributor: Rubbedin
Emergency Phone No: 0405358685
Regular Phone No: 07-3245 3255
Fax: 07-3245 2554
Email: rubbedin@rubbedin.com.au
Address: Unit 1/43 Neumann Road
Capalaba QLD 4157

SECTION 2 – HAZARDS IDENTIFICATION

- This material is classified as non-hazardous according to criteria of NOHSC.
- This product is NOT classified as Dangerous Goods according to the Australian Dangerous Goods (ADG) Code.
- This product is classified as a Scheduled 6 Poison according to the SUSDP.

Approved Criteria
Classification Not hazardous
UN Number none allocated
ADG Classification none allocated
ADG Subsidiary
Shipping Name none allocated
Risk none allocated
Hazchem Code none allocated
Packing Group none allocated
SUSDP Classification S6 POISON

EMERGENCY OVERVIEW
Colour white Odour Fragrant
Physical Description Uniform granules Viscosity solid
Major Health Hazards None known

SECTION 3 – INGREDIENTS

Ingredients determined not to be hazardous are present in concentrations that do not exceed the relevant cut-off concentrations as found from NOHSC publication “List of Designated Hazardous Substances” or have been found NOT to meet the criteria of a hazardous substance as defined in the NOHSC publication “Approved Criteria for Classifying Hazardous Substances”.

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS Number</th>
<th>Proportion:</th>
<th>Exposure Standards TWA</th>
<th>Exposure Standards STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfamic acid</td>
<td>5329-14-6</td>
<td>10 - 30 % w/w</td>
<td>not set</td>
<td>not set</td>
</tr>
<tr>
<td>Citric acid</td>
<td>77-92-9</td>
<td>10 - 30 % w/w</td>
<td>1 mg/m³</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td>Ingredients determined to be non-hazardous</td>
<td>Various</td>
<td>30 - 60 % w/w</td>
<td>not set</td>
<td>not set</td>
</tr>
</tbody>
</table>

The TWA exposure value is the Time Weighted Average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term “peak” is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.
## SECTION 4 – FIRST AID MEASURES

| Scheduled Poisons | Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons. (Phone Australia 131126 or New Zealand 0800 764 766). |
| First Aid Facilities | Normal washroom facilities. |
| Skin contact | Wash skin with plenty of water. Remove contaminated clothing and wash before re-use. Seek medical advice (e.g. doctor) if irritation, burning or redness develops. |
| Eye contact | Immediately irrigate with copious quantities of water for at least 20 minutes. Eyelids to be held open. Seek medical advice (e.g. ophthalmologist). |
| Ingestion | Do NOT induce vomiting. Do NOT attempt to give anything by mouth to an unconscious person. Rinse mouth thoroughly with water immediately. Give water to drink. If vomiting occurs, give further water to achieve effective dilution. Seek medical advice (e.g. doctor). |
| Inhalation | Remove victim to fresh air away from exposure. Obtain medical attention if symptoms occur. |
| Advice to Doctor | Treat symptomatically. All treatments should be based on observed signs and symptoms of distress of the patient. Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons. |
| Aggravated Medical Conditions | None known. |

## SECTION 5 – FIRE AND EXPLOSION DATA

| Fire and Explosion Hazards | Not combustible. However if involved in a fire will emit toxic fumes. |
| Extinguishing Media | Use an extinguishing media suitable for surrounding fires. |
| Fire Fighting | Keep containers exposed to extreme heat cool with water spray. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of combustion or decomposition. Evacuate area - move upwind of fire. |
| Flash Point | None – does not support combustion. |

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

| Emergency Procedures | No HAZCHEM code. |
### Occupational Release

Minor spills do not normally need any special clean-up measures. In the event of a major spill, prevent spillage from entering drains or water courses. Wear protective equipment to prevent skin and eye contact and breathing in dust. Work up wind or increase ventilation. Cover with damp absorbent (inert material, sand or soil). Sweep or vacuum up, but avoid generating dust. Collect and seal in properly labelled containers or drums for disposal. Wash area down with excess water.

### Waste Disposal:

Refer to State Land Waste Management Authority.

### SECTION 7 HANDLING AND STORAGE

#### Handling

Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers closed at all times. Avoid physical damage to containers. Always wash hands with water after handling.

#### Storage

Store in a cool, dry, place with good ventilation. Avoid storing in aluminium and light alloy containers. Store away from incompatible materials (Section 10). Keep containers closed at all times – check regularly for leaks.

### SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Exposure Limits

National Occupational Exposure Limits, as published by National Occupational Health & Safety Commission:

- **Time-weighted Average (TWA):** None established for specific product.
  
  See SECTION 3 for Exposure Limits of individual ingredients.

- **Short Term Exposure Limit (STEL):** None established for specific product.
  
  See SECTION 3 for Exposure Limits of individual ingredients.

- **Nuisance dust:** 8hr TWA = 10 mg/m³ as published by the National Occupational Health and Safety Commission.

#### Biological Limit Value

None established for product.

#### Engineering Controls

Ensure ventilation is adequate to maintain air concentrations below exposure standards. Avoid generating dusts or mists of the product. Use only in a well-ventilated area.

#### Personal Protective Equipment

This product is not classified as hazardous according to the criteria of Worksafe Australia. Use good occupational work practice. The use of protective clothing and equipment depends upon the degree and nature of exposure. Final choice of appropriate protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. The following protective equipment should be available:

- **Eye Protection:**
  
  Generally not required to handle the product as per label directions however, eye protection is recommended.

  The use of safety glasses with side shield protection, goggles or face shield is recommended to handle in quantity, cleaning up spills, decanting, etc. Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them.
Skin Protection

Generally not required to handle the product as per label directions - wear gloves for sensitive skin.

Overalls, work boots and elbow length gloves are recommended for handling the concentrated product (as per AS/NZS 2161, or as recommended by supplier) to handle in quantity, cleaning up spills, decanting, etc.

Protective Material

Types

Material suitable for detergent contact – Butyl rubber, Natural Latex, Neoprene, PVC, and Nitrile.

Respirator

Not required for normal cleaning operations. If dust exists, wear dust mask/respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>powder</td>
</tr>
<tr>
<td>Odour</td>
<td>fragrant odour</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapour Pressure</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not flammable</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Miscible in all proportions</td>
</tr>
<tr>
<td>Volatile Organic Compounds (VOC)</td>
<td>0 % v/v</td>
</tr>
<tr>
<td>Viscosity</td>
<td>solid</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Colour</td>
<td>white</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.0 @ 25 °C</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapour Density</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammable Limits</td>
<td>None</td>
</tr>
<tr>
<td>pH</td>
<td>1.5 – 2.0 @ 1% sol’n</td>
</tr>
</tbody>
</table>

SECTION 10 – STABILITY AND REACTIVITY DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Stability</td>
<td>Stable at normal temperatures and pressure.</td>
</tr>
<tr>
<td>Conditions to Avoid</td>
<td>Moisture – keep container closed.</td>
</tr>
<tr>
<td>Incompatible Materials</td>
<td>Alkalis.</td>
</tr>
<tr>
<td>Hazardous</td>
<td>Product can decompose on combustion (burning) to form Carbon Monoxide, Carbon Dioxide, and other possibly toxic gases and vapours.</td>
</tr>
<tr>
<td>Decomposition Products</td>
<td></td>
</tr>
<tr>
<td>Hazardous Reactions</td>
<td>None known.</td>
</tr>
</tbody>
</table>

SECTION 11 - TOXICOLOGICAL INFORMATION

PRODUCT MIXTURE INFORMATION

Local Effects

May be an irritant: eye, skin, inhalation and ingestion.

Target Organs

None known.

POTENTIAL HEALTH EFFECTS

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion

short term exposure

Ingestion of large amounts may irritate the gastric tract causing nausea and vomiting.

long term exposure

No information available.

Skin contact

short term exposure

Contact with skin may result in irritation.
**RUBBEDIN PTY LTD**  
**MATERIAL SAFETY DATA SHEET**

<table>
<thead>
<tr>
<th>long term exposure</th>
<th>No known effects.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Eye contact</strong></td>
<td></td>
</tr>
<tr>
<td>short term exposure</td>
<td>Eye contact may cause mild stinging, blurring, tearing.</td>
</tr>
<tr>
<td>long term exposure</td>
<td>No information available.</td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td></td>
</tr>
<tr>
<td>short term exposure</td>
<td>Breathing in dust may result in respiratory irritation.</td>
</tr>
<tr>
<td>long term exposure</td>
<td>No information available.</td>
</tr>
</tbody>
</table>

**Carcinogen Status**
- NOHSC: No significant ingredient is classified as carcinogenic by NOHSC.
- NTP: No significant ingredient is classified as carcinogenic by NTP.
- IARC: No significant ingredient is classified as carcinogenic by IARC.

**Medical conditions aggravated by exposure**
No information available.

**CLASSIFICATION OF INDIVIDUAL INGREDIENTS**

**NOTE**: This information relates to each individual ingredient, when evaluated as pure undiluted chemical.

See SECTION 3 for actual proportions of ingredients present in this product.

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>R-Phrases.</th>
<th>Irritation Data</th>
<th>Toxicty Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfamic acid</td>
<td>R36/38 (IRRITANT) when &gt;20%</td>
<td>Causes skin irritation. May cause redness and pain. Severe burns may occur.</td>
<td>Toxic by ingestion. May cause severe burns of the mouth, throat, and stomach leading to death. Causes irritations of mucous membranes in the mouth, pharynx, oesophagus, gastrointestinal tract. May cause sore throat, vomiting and diarrhea.</td>
</tr>
<tr>
<td>Non hazardous ingredients to 100%</td>
<td>None allocated</td>
<td>None allocated</td>
<td>None allocated</td>
</tr>
<tr>
<td>100% Sulfamic acid</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Local Effects**
- Corrosive and harmful: inhalation, skin, eye, ingestion

**Chronic Toxicity**
- No available information.

**Target Organs**
- Skin, mucous membranes, eyes.

**Acute Toxicity**
- Slightly Toxic: ingestion

**Reproductive Effects**
- No available information.

**Mutagenic Data**
- No available information.

**Carcinogenic Data**
- No available information.

**SECTION 12 - ECOLOGICAL INFORMATION**

**Fish toxicity**
- None available for specific product. For ingredient: SULFAMIC ACID; Fish toxicity: P. promelas LC50: 70.3 mg/l/96 h.

**Algae toxicity**
- None available.

**Invertebrates toxicity**
- None available.

**Toxicity to Bacteria**
- None available for specific product. For ingredient: SULFAMIC ACID; Bacterial toxicity: Ps. putida EC10 > 1000 mg/l/16 h.

**OECD Biological degradation**
- Individual components stated to be biodegradable. Biological effects: Harmful effect on aquatic organisms -harmful effect due to pH shift.
SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of material according to Local Authority Regulations or through a licensed waste contractor.

SECTION 14 TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>UN Number</th>
<th>none allocated</th>
<th>ADG Classification</th>
<th>none allocated</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shipping Name</td>
<td>none allocated</td>
<td>ADG Subsidiary</td>
<td>none allocated</td>
</tr>
<tr>
<td>Hazchem Code</td>
<td>none allocated</td>
<td>Risk</td>
<td>none allocated</td>
</tr>
<tr>
<td>Packaging Method</td>
<td>none allocated</td>
<td>Packing Group</td>
<td>none allocated</td>
</tr>
<tr>
<td>Segregation</td>
<td>none allocated</td>
<td>Special Provisions</td>
<td>none allocated</td>
</tr>
</tbody>
</table>

SECTION 15 REGULATORY INFORMATION

AICS All ingredients present on AICS.

Labeling Details Not hazardous

HAZARD None allocated

RISK PHRASES None allocated

SAFETY PHRASES None allocated

SUSDP S6 POISON (SULFAMIC ACID >10%)

ADG Code none allocated

SECTION 16 OTHER INFORMATION

Acronyms

SUSDP Standard for the Uniform Scheduling of Drugs and Poisons.

ADG Code Australian Code for the Transport of Dangerous Goods by Road and Rail.

CAS Number Chemical Abstracts Service Registry Number.

UN Number United Nations Number.

R-Phrases Risk Phrases.

HAZCHEM An emergency action code of numbers and letters which gives information to emergency services.


NTP National Toxicology Program (USA).

IARC International Agency for Research on Cancer.

AICS Australian Inventory of Chemical Substances.

TWA Time Weighted Average

STEL Short Term Exposure Limit

Literature References

List of Designated Hazardous Substances [NOHSC:10005(1999)]


Standard for the Uniform Scheduling of Drugs and Poisons.


Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(1999)]


HSIS – Hazardous Substance Information System – National Worksafe Data Base.

Note
Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

Contact Point
Manager

Telephone
(07) 3245 3255

Issue Date
SEPT 2010

Supersedes Issue Date
AUG 2006

The MSDS is valid for five years from date of issue but may be withdrawn and revised at any time prior to that date.

All information contained in the Data Sheet is as accurate as possible at the time of issue. It is meant to describe the safety requirements of our products and should not be construed as guaranteeing specific properties. As per the Worksafe Guidance Note NOHSC 3017, each user should review the information in the specific context of the intended application. No expressed or implied warranties nor any responsibility for damages resulting from use of the information are given other than those implied mandatory by Commonwealth, State or Territory Legislation. If this product is to be re-packaged by others, it will be necessary for a new MSDS to be generated by the re-packer.