MATERIAL SAFETY DATA SHEET: BUTIN PASTE

SECTION 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier: IAH SALES PTY LTD
A.B.N. 57 109 433 883
18 HEALEY CIRCUIT, HUNTINGWOOD NSW 2148
Telephone (02) 96727944 Fax. (02) 96727988
Website: www.iahp.com.au Email: info@iahp.com.au

Emergency Contact: Poisons Information Centre: Phone Australia 131126; New Zealand 0800 POISON. (0800 764766)

Product Name: BUTIN PASTE
UN Number: None allocated
DG Class: Not Classified as Dangerous (Australian Code Transport of Dangerous Goods)
Hazchem: None allocated
Subrisk: None allocated
Packaging Group: None Allocated
Poisons Schedule: Schedule 4 (PRESCRIPTION ANIMAL REMEDY) PAR Class I (New Zealand)
Other names: Bute Paste, PBZ Paste

Uses
For the relief of painful musculoskeletal conditions in horses.

SECTION 2. HAZARDS IDENTIFICATION

BUTIN PASTE is considered hazardous according to Worksafe Australia criteria. Not classified as a dangerous good according to the Australian Code of Transport of Dangerous Goods (ACTDG).

Risk Phrases:
R22 Harmful if swallowed
R38 Irritating to skin
R36 Irritating to eyes

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CHEMICAL ENTITY</th>
<th>CAS No.</th>
<th>PROPORTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phenylbutazone</td>
<td>50-33-9</td>
<td>17.2%w/w</td>
</tr>
<tr>
<td>Sweetener</td>
<td></td>
<td>&lt;20%w/w</td>
</tr>
<tr>
<td>Thickener</td>
<td></td>
<td>1%w/w</td>
</tr>
<tr>
<td>Flavour</td>
<td></td>
<td>&lt;1%w/w</td>
</tr>
<tr>
<td>Colour</td>
<td></td>
<td>&lt;1%w/w</td>
</tr>
<tr>
<td>Vehicle</td>
<td></td>
<td>to 100%w/w</td>
</tr>
</tbody>
</table>

The identity of individual components of this mixture is proprietary information as is regarded to be a trade secret pursuant to Section 1910.1200 of Title 29 of the Code of Federal Regulations
MATERIAL SAFETY DATA SHEET: BUTIN PASTE

SECTION 4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131 126; New Zealand 0800 POISON (0800 764766)

Eye : Hold eyes open, flood with water for at least 15 minutes and seek medical advice.

Skin : Wash affected area with copious amounts of soap and water. After each day's use, wash contaminated clothing, and other personal protection equipment. Seek medical attention if irritation occurs.

Inhaled : Remove patient to fresh air. Contact a doctor.

Swallowed: If poisoning occurs, contact a doctor or Poisons Information Centre. If swallowed, and if more than 15 minutes from a hospital, induce vomiting, preferably using Ipecac Syrup.

ADVICE TO DOCTOR: Treat symptomatically as required.

SECTION 5. FIRE FIGHTING MEASURES

Extinguishing Media: Use water spray. Use CO₂, dry chemical or foam to extinguish fires.

Reactivity: May emit toxic fumes when heated to decomposition. Incompatible with strong oxidising agents such as Nitric acid, and permanganates.

UEL: No data available

LEL: No data available

SECTION 6. ACCIDENTAL RELEASE MEASURES

Spillages : Soak spills with absorbent materials ensuring no contact with skin. Prevent spills from entering streams, ponds or waterways. Collect and seal in a labelled container for disposal. Refer to the appropriate Waste Disposal Authority. Dispose of empty container according to label directions, or recycle after triple rinsing.

SECTION 7. HANDLING & STORAGE.

Storage Conditions : Store below 30°C (room temperature) in a dry place and away from ignition sources. Protect from physical damage. Keep container tightly closed.

UN Number : None allocated

DG Class : Not Classified as a Dangerous Good (Australian Code Transport of Dangerous Goods).

Hazchem : None allocated

Subrisk : None allocated

Packaging Group : None allocated

EPG : Not required
SECTION 8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Personal Protection: Avoid contact with eyes and skin. Avoid contamination of the work area. Avoid spraying or splashing of the preparation. Avoid inhalation of aerosol spray or vapor of the preparation. Wash skin and hands thoroughly with soapy water after handling and before eating, drinking or smoking.

Eye Protection : Goggles or face shield

Exposure Standards : Not applicable

Engineering Controls : Use with adequate ventilation.

Flammability : Non flammable under normal storage conditions.

Other Information : Poisonous if swallowed.

SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

Appearance : Apple green paste with a smooth texture and the odour of vanilla.

Flash point : No data

Boiling point : Not applicable

Flammability limits : No data

Vapor pressure : No data

Bulk Density : 1.14 – 1.26

Solubility : Miscible in water.

SECTION 10. STABILITY & REACTIVITY

Stability : Stable at normal temperatures and pressure.

Incompatibility : May react with strong oxidizing agents such as Nitric acid, peroxides and permanganates.

Hazardous Decomposition: May emit toxic fumes when heated to decomposition.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Exposure:

LD_{50} Phenylbutazone, oral, woman 16mg/kg
LD_{50} Phenylbutazone, oral, rat 855mg/kg
LD_{50} Phenylbutazone, Subcutaneous, rat 310mg/kg

Phenylbutazone may cause nausea, vomiting, diarrhoea, headache, blurred vision, hypersensitivity reactions and hepatitis. More serious reactions may include gastric ulceration and bleeding, blood disorders and bone marrow suppression.

Swallowed: Phenylbutazone is readily absorbed from the gastrointestinal tract. It is used therapeutically in humans at a usual dose rate of 100 – 400mg/day orally (100 – 400mg phenylbutazone is equivalent to 0.5 – 2mL BUTIN PASTE).

Eye: May cause irritation

Skin: Absorption via intact skin is unlikely

Inhaled: BUTIN PASTE is a stable paste product: exposure via inhalation is unlikely.

Chronic Exposure: Chronic intake of phenylbutazone may result in gastric ulceration and bleeding, blood disorders and bone marrow suppression.

Chronic Exposure: Not applicable
MATERIAL SAFETY DATA SHEET: BUTIN PASTE

SECTION 12. ECOLOGICAL INFORMATION

No specific environmental toxicity data available for this formulation.

SECTION 13. DISPOSAL CONSIDERATIONS

DO NOT dispose of undiluted chemicals on site. Bury the empty container in a local authority landfill. If not available, bury below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots. Empty containers and product should not be burnt. Observe all federal, state and local environmental regulations.

SECTION 14. TRANSPORT INFORMATION

No specific transport considerations apply as BUTIN PASTE is not considered dangerous according to criteria of the Australian Code of Transport of Dangerous Goods (ACTDG).

UN Number : None allocated
DG Class : Not Classified as a Dangerous Good.
Hazchem : None allocated
Subrisk : None allocated
Packaging Group : None allocated
EPG : Not required

SECTION 15. REGULATORY INFORMATION

BUTIN PASTE is registered with the Australian Pesticides and Veterinary Medicines Authority (APVMA) and the New Zealand Food Safety Authority (NZFSA).
BUTIN PASTE is classified as a Schedule 4 (PRESCRIPTION ANIMAL REMEDY) according to the Standard for the Uniform Scheduling of Drugs (SUSDP) established under the Therapeutic Goods Act (1989) (as amended). Prescription Animal Remedy PAR Class I (New Zealand)
MATERIAL SAFETY DATA SHEET: BUTIN PASTE

SECTION 16. OTHER INFORMATION

This document has been revised in JULY 2009 and replaces the version dated September 2008.

DISCLAIMER STATEMENT:

This MSDS has been prepared according to Worksafe Australia/NOHSC guidelines. All information and data herein are believed to be accurate and have been compiled from sources we consider as reliable. It is intended as a guide for safe handling, storage and use in veterinary application, but it is not a specification or guarantee of specific properties. Since IAH Sales P/L cannot anticipate or control the condition of handling and use, or misuse of the product in the workplace, each user should read this Safety Data Sheet, prior to usage, in context of maintaining the product safely. Physical characteristics described herein are typical values based on material tested. The user should take due care to ensure the use and/or disposal of the product and empty container complies with relevant legislation.

References:

Glossary
UN = United Nations
UEL = Upper Explosive Limit
LEL = Lower Explosive Limit
EPG = Emergency Procedure Guide
TWA = Time weighted average, defined as the average airborne concentrations of a compound when calculated over a normal eight-hour working day, for a five-day working week.
ACGIH = American Conference of Governmental Industrial Hygienists
IARC = International Agency for Research on Cancer
NCI = National Cancer Institute
NTP = National Toxicology Program
OSHA = Occupational Safety and Health Administration
NOHSC = National Occupational Health and Safety Commission