

MATERIAL SAFETY DATA SHEET ALKAVIS TABLETS

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

| | |
|----------------------|---|
| PRODUCT NAME | ALKAVIS TABLETS |
| PRODUCT NO. | AD-1922, AK 192, AL 004B, AL 084B, AL 192B, AT-1920, CM 192, WAG-WE10300, SP 117, SP 612, SP 616 |
| APPLICATION | TESTING WATER |
| SUPPLIER | PALINTEST AUSTRALIA & ASIA/PACIFIC 1/53 LORRAINE STREET PEAKHURST NSW 2210 AUSTRALIA TEL + 61 1300 13 15 16 FAX + 61 1300 13 19 86 palintest@palintest.com.au |
| PROPER SHIPPING NAME | CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (POTASSIUM HYDROGENSULPHATE) |

2 HAZARDS IDENTIFICATION

RISK PHRASES

R36/38 Irritating to eyes and skin.

SAFETY PHRASES

S24/25 Avoid contact with skin and eyes.
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S37 Wear suitable gloves.

Not Classified as PBT/vPvB by current EU criteria.

HUMAN HEALTH

See section 11 for additional information on health hazards.

DG CLASS

Class 8: Corrosive substances.

PACKING GROUP III

UN NO. 3260

HAZCHEM CODE 2X

3 COMPOSITION/INFORMATION ON INGREDIENTS

| Name | EC No. | CAS-No. | Content % | Classification (67/548) |
|----------------------------|-----------|-----------|-----------|---------------------------------|
| POTASSIUM HYDROGENSULPHATE | 231-594-1 | 7646-93-7 | 5-10% | C;R34 Xi;R37 |
| ADIPIC ACID | 204-673-3 | 124-04-9 | <5.5 % | Xi;R36 |
| SODIUM DODECYL SULPHATE | 205-788-1 | 151-21-3 | <5.5 % | Xn;R21/22. Xi;R36/37/38. F;R11. |

The Full Text for all R-Phrases is Displayed in Section 16

COMPOSITION COMMENTS

The Data Shown is in accordance with the latest EC Directives.

4 FIRST-AID MEASURES

GENERAL INFORMATION

Treat Symptomatically.

NOTES TO THE PHYSICIAN

Treat Symptomatically.

INHALATION

Remove victim immediately from source of exposure. Move the exposed person to fresh air at once. Get medical attention.

ALKAVIS TABLETS**INGESTION**

Immediately rinse mouth and provide fresh air. Get medical attention if any discomfort continues.

SKIN CONTACT

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

EYE CONTACT

Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

5 FIRE-FIGHTING MEASURES**EXTINGUISHING MEDIA**

Use fire-extinguishing media appropriate for surrounding materials.

SPECIAL FIRE FIGHTING PROCEDURES

No specific fire fighting procedure given.

HAZCHEM CODE 2X

6 ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTIONS**

Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS

Not relevant considering the small amounts used.

SPILL CLEAN UP METHODS

Avoid generation and spreading of dust. Shovel into dry containers. Cover and move the containers. Flush the area with water. Wear necessary protective equipment.

7 HANDLING AND STORAGE**USAGE PRECAUTIONS**

Observe good chemical hygiene practices. Avoid inhalation of dust and contact with skin and eyes.

STORAGE PRECAUTIONS

Keep in original container. Keep separate from food, feedstuffs, fertilisers and other sensitive material. Store in a cool place. Store in a dry place.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION**INGREDIENT COMMENTS**

Due to the hazardous nature of ingredients, exposure should be minimal. WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT**ENGINEERING MEASURES**

Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of dust.

RESPIRATORY EQUIPMENT

Wear suitable respiratory protection.

HAND PROTECTION

Wear protective gloves.

EYE PROTECTION

Wear dust resistant safety goggles where there is danger of eye contact.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENE MEASURES

No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE Solid

COLOUR Beige.

ALKAVIS TABLETS

ODOUR Odourless.
 SOLUBILITY Soluble in water.

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

CONDITIONS TO AVOID

There are no known conditions that are likely to result in a hazardous situation.

MATERIALS TO AVOID

No specific, or groups of materials are likely to react to produce a hazardous situation.

HAZARDOUS DECOMPOSITION PRODUCTS

There are no anticipated hazardous decomposition products associated with this material.

11 TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION

No information available.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

There are no data on the ecotoxicity of this product. The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

MOBILITY

The product is soluble in water.

BIOACCUMULATION

No data available on bioaccumulation.

DEGRADABILITY

No data available.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

| | |
|--|---|
| PROPER SHIPPING NAME | CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (POTASSIUM HYDROGENSULPHATE) |
| ROAD TRANSPORT NOTES | THE PRODUCT IS NOT CONSIDERED HAZARDOUS FOR SUPPLY OR TRANSPORT AS PACKAGED AS PER ADR 2013 SECTION 3.5.1.4 |
| SEA TRANSPORT NOTES | THE PRODUCT IS NOT CONSIDERED HAZARDOUS FOR SUPPLY OR TRANSPORT AS PACKAGED AS PER IMDG 2012 SECTION 3.5.1.4 |
| AIR TRANSPORT NOTES | THE PRODUCT IS NOT CONSIDERED HAZARDOUS FOR SUPPLY OR TRANSPORT AS PACKAGED BASED UPON "DE MINIMIS QUANTITIES" AS PER IATA DANGEROUS GOODS REGULATIONS (54th EDITION) SUBSECTION 2.6.10.1 |
| ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT | No. |
| UN NO. | 3260 |
| ADG CLASS NO. | 8 |
| DG CLASS | Class 8: Corrosive substances. |
| PACKING GROUP | III |
| TUNNEL RESTRICTION CODE | (E) |
| ADG LABEL NO. | 8 |

ALKAVIS TABLETS

| | |
|---------------|----------|
| HAZCHEM CODE | 2X |
| UN NO. SEA | 3260 |
| IMDG CLASS | 8 |
| IMDG PACK GR. | III |
| EMS | F-A, S-B |
| UN NO. AIR | 3260 |
| ICAO CLASS | 8 |
| AIR PACK GR. | III |

15 REGULATORY INFORMATION

LABELLING



Irritant

RISK PHRASES

R36/38 Irritating to eyes and skin.

SAFETY PHRASES

S24/25 Avoid contact with skin and eyes.
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S37 Wear suitable gloves.

16 OTHER INFORMATION

ISSUED BY

L. Morgan

REVISION DATE 24/05/2013

REV. NO./REPL. SDS GENERATED 5

SAFETY DATA SHEET STATUS

Approved.

RISK PHRASES IN FULL

R34 Causes burns.
 R21/22 Harmful in contact with skin and if swallowed.
 R11 Highly flammable
 R36/38 Irritating to eyes and skin.
 R36/37/38 Irritating to eyes, respiratory system and skin.
 R36 Irritating to eyes.
 R37 Irritating to respiratory system.

**Rainbow Pool Products**

PO Box 2388, Mansfield Qld 4122

Telephone STD 61-7-3849 5385

Facsimile STD 61-7-3849 5384

Email: info@rainbowpoolproducts.com.auWeb: www.rainbowpoolproducts.com.au

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.