



## SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

#### 1.1 Product identifier

**Product name** DAS PRODUCT  
**Synonyms** EMULSION OF BITUMEN IN WATER

#### 1.2 Uses and uses advised against

**Uses** DUST SUPPRESSION • ROAD STABILISATION

#### 1.3 Details of the supplier of the product

**Supplier name** DUST-A-SIDE AUSTRALIA PTY LTD  
**Address** Unit 20, 8 Metroplex Avenue, Murarrie, QLD, 4172, AUSTRALIA  
**Telephone** 1800 662 387  
**Email** [australia@dustaside.com.au](mailto:australia@dustaside.com.au)  
**Website** <http://dustaside.com.au/>

#### 1.4 Emergency telephone numbers

**Emergency** 1800 662 387  
**HSE/Technical Advisor** (07) 3902 1644  
**General Manager** 0427 152 707

### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

#### 2.2 GHS Label elements

No signal word, pictograms, hazard or precautionary statements have been allocated.

#### 2.3 Other hazards

No information provided.

### 3. COMPOSITION/ INFORMATION ON INGREDIENTS

#### 3.1 Substances / Mixtures

| Ingredient                | CAS Number    | EC Number     | Content   |
|---------------------------|---------------|---------------|-----------|
| ASPHALT                   | 8052-42-4     | 232-490-9     | >60%      |
| NON HAZARDOUS INGREDIENTS | Not Available | Not Available | Remainder |
| ADDITIVE(S)               | -             | -             | <10%      |

### 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

**Eye** If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.

**Inhalation** If inhaled, remove from contaminated area. To protect rescuer, use a Type A (Organic vapour) respirator or an Air-line respirator (in poorly ventilated areas). Apply artificial respiration if not breathing.

**Skin** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.

## PRODUCT NAME DAS PRODUCT

**Ingestion** For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.

**First aid facilities** Eye wash facilities and safety shower are recommended.

### **4.2 Most important symptoms and effects, both acute and delayed**

See Section 11 for more detailed information on health effects and symptoms.

### **4.3 Immediate medical attention and special treatment needed**

Treat symptomatically.

## **5. FIRE FIGHTING MEASURES**

### **5.1 Extinguishing media**

Use an extinguishing agent suitable for the surrounding fire.

### **5.2 Special hazards arising from the substance or mixture**

Non flammable. May evolve toxic gases (carbon/ sulphur oxides, sulphides, hydrocarbons) when heated to decomposition.

### **5.3 Advice for firefighters**

Treat as per requirements for surrounding fires. Evacuate area and contact emergency services. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

### **5.4 Hazchem code**

None allocated.

## **6. ACCIDENTAL RELEASE MEASURES**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS. Clear area of all unprotected personnel. Ventilate area where possible. Contact emergency services where appropriate.

### **6.2 Environmental precautions**

Prevent product from entering drains and waterways.

### **6.3 Methods of cleaning up**

Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal.

### **6.4 Reference to other sections**

See Sections 8 and 13 for exposure controls and disposal.

## **7. HANDLING AND STORAGE**

### **7.1 Precautions for safe handling**

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

### **7.2 Conditions for safe storage, including any incompatibilities**

Avoid storing at temperatures below 5°C or above 90°C.

### **7.3 Specific end uses**

No information provided.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

### **8.1 Control parameters**

#### **Exposure standards**

| Ingredient   | Reference | TWA |                   | STEL |                   |
|--------------|-----------|-----|-------------------|------|-------------------|
|              |           | ppm | mg/m <sup>3</sup> | ppm  | mg/m <sup>3</sup> |
| Bitumen fume | SWA [AUS] | --  | 5                 | --   | --                |

## PRODUCT NAME    **DAS PRODUCT**

### Biological limits

No biological limit values have been entered for this product.

### 8.2 Exposure controls

**Engineering controls**    Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended. Maintain vapour levels below the recommended exposure standard.

### PPE

|                    |                                                                                                                                                                                                                                                                 |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye / Face</b>  | Wear splash-proof goggles.                                                                                                                                                                                                                                      |
| <b>Hands</b>       | Wear PVA or Viton® gloves.                                                                                                                                                                                                                                      |
| <b>Body</b>        | When using large quantities or where heavy contamination is a possibility, consider wearing coveralls and protective footwear.                                                                                                                                  |
| <b>Respiratory</b> | Where an inhalation risk exists, wear a Type A (Organic vapour) respirator. If spraying, wear a Type A-Class P1 (Organic gases/vapours and Particulate) respirator or an Air-line respirator. If sanding dry product, wear a Class P1 (Particulate) respirator. |



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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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### 9.1 Information on basic physical and chemical properties

|                                  |                       |
|----------------------------------|-----------------------|
| <b>Appearance</b>                | BROWNISH-BLACK LIQUID |
| <b>Odour</b>                     | MILD BITUMEN ODOUR    |
| <b>Flammability</b>              | NON FLAMMABLE         |
| <b>Flash point</b>               | DOES NOT BURN         |
| <b>Boiling point</b>             | 100°C                 |
| <b>Melting point</b>             | > 4°C                 |
| <b>Evaporation rate</b>          | NOT AVAILABLE         |
| <b>pH</b>                        | 11.5 to 12.5          |
| <b>Vapour density</b>            | NOT AVAILABLE         |
| <b>Relative density</b>          | 1.02 (Approximately)  |
| <b>Solubility (water)</b>        | MISCIBLE              |
| <b>Vapour pressure</b>           | 2.37 kPa @ 25°C       |
| <b>Upper explosion limit</b>     | NOT AVAILABLE         |
| <b>Lower explosion limit</b>     | NOT AVAILABLE         |
| <b>Partition coefficient</b>     | NOT AVAILABLE         |
| <b>Autoignition temperature</b>  | NOT APPLICABLE        |
| <b>Decomposition temperature</b> | NOT AVAILABLE         |
| <b>Viscosity</b>                 | NOT AVAILABLE         |
| <b>Explosive properties</b>      | NOT AVAILABLE         |
| <b>Oxidising properties</b>      | NOT AVAILABLE         |
| <b>Odour threshold</b>           | NOT AVAILABLE         |

### 9.2 Other information

|                       |     |
|-----------------------|-----|
| <b>Freezing point</b> | 0°C |
|-----------------------|-----|

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## 10. STABILITY AND REACTIVITY

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### 10.1 Reactivity

Carefully review all information provided in sections 10.2 to 10.6.

### 10.2 Chemical stability

Stable under recommended conditions of storage.

### 10.3 Possibility of hazardous reactions

Polymerization will not occur.

### 10.4 Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources.

**10.5 Incompatible materials**

Incompatible with oxidising agents (e.g. hypochlorites) and acids (e.g. nitric acid).

**10.6 Hazardous decomposition products**

May evolve toxic gases (carbon/ sulphur oxides, sulphides, hydrocarbons) when heated to decomposition.

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**11. TOXICOLOGICAL INFORMATION**

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**11.1 Information on toxicological effects**

|                                 |                                                                                                                                                                                                                                       |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Acute toxicity</b>           | Based on available data, the classification criteria are not met.                                                                                                                                                                     |
| <b>Skin</b>                     | Contact may result in irritation, redness and rash.                                                                                                                                                                                   |
| <b>Eye</b>                      | Contact may result in irritation, lacrimation, pain and redness.                                                                                                                                                                      |
| <b>Sensitisation</b>            | Not classified as causing skin or respiratory sensitisation.                                                                                                                                                                          |
| <b>Mutagenicity</b>             | Insufficient data available to classify as a mutagen.                                                                                                                                                                                 |
| <b>Carcinogenicity</b>          | Bitumens, occupational exposure to straight-run bitumens and their emissions during road paving, and hard bitumens and their emissions during mastic asphalt work, are classified as possibly carcinogenic to humans (IARC Group 2B). |
| <b>Reproductive</b>             | Insufficient data available to classify as a reproductive toxin.                                                                                                                                                                      |
| <b>STOT - single exposure</b>   | Not classified as causing organ damage from single exposure. However, high level exposure may result in headache, nausea and respiratory tract irritation.                                                                            |
| <b>STOT - repeated exposure</b> | Not classified as causing organ damage from repeated exposure.                                                                                                                                                                        |
| <b>Aspiration</b>               | Not expected to present an aspiration hazard.                                                                                                                                                                                         |

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**12. ECOLOGICAL INFORMATION**

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**12.1 Toxicity**

No information provided.

**12.2 Persistence and degradability**

The emulsion is a product used for dust suppression, road stabilisation and the binder, after breaking, has a long life span.

**12.3 Bioaccumulative potential**

No data available on anionic emulsions. Bioaccumulation of bitumen is very unlikely because of insolubility and high molecular weight.

**12.4 Mobility in soil**

The product has no soil mobility.

**12.5 Other adverse effects**

The product will not have a long term effect on ecology.

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**13. DISPOSAL CONSIDERATIONS**

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**13.1 Waste treatment methods**

|                       |                                                                                                                                                                                                                                                                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Waste disposal</b> | For small amounts, absorb with sand, vermiculite or similar and dispose of to an approved landfill site. Contact the manufacturer/supplier for additional information if disposing of large quantities (if required). Prevent contamination of drains and waterways as aquatic life may be threatened and environmental damage may result. |
| <b>Legislation</b>    | Dispose of in accordance with relevant local legislation.                                                                                                                                                                                                                                                                                  |

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**14. TRANSPORT INFORMATION**

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**NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA**

|                                    | LAND TRANSPORT (ADG) | SEA TRANSPORT (IMDG / IMO) | AIR TRANSPORT (IATA / ICAO) |
|------------------------------------|----------------------|----------------------------|-----------------------------|
| <b>14.1 UN Number</b>              | None allocated.      | None allocated.            | None allocated.             |
| <b>14.2 Proper Shipping Name</b>   | None allocated.      | None allocated.            | None allocated.             |
| <b>14.3 Transport hazard class</b> | None allocated.      | None allocated.            | None allocated.             |
| <b>14.4 Packing Group</b>          | None allocated.      | None allocated.            | None allocated.             |

#### **14.5 Environmental hazards**

No information provided.

#### **14.6 Special precautions for user**

Hazchem code                      None allocated.

## **15. REGULATORY INFORMATION**

### **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

|                           |                                                                                                                                                                 |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Poison schedule</b>    | A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP). |
| <b>Classifications</b>    | Safe Work Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals (GHS Revision 7).                    |
| <b>Inventory listings</b> | <b>AUSTRALIA: AIIC (Australian Inventory of Industrial Chemicals)</b><br>All components are listed on AIIC, or are exempt.                                      |

## **16. OTHER INFORMATION**

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Additional information</b> | <p><b>PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:</b><br/>The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as form of product, method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.</p> <p><b>HEALTH EFFECTS FROM EXPOSURE:</b><br/>It should be noted that the effects from exposure to this product will depend on several factors including: form of product; frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.</p> |
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**Abbreviations**

|                   |                                                                                                 |
|-------------------|-------------------------------------------------------------------------------------------------|
| ACGIH             | American Conference of Governmental Industrial Hygienists                                       |
| CAS #             | Chemical Abstract Service number - used to uniquely identify chemical compounds                 |
| CNS               | Central Nervous System                                                                          |
| EC No.            | EC No - European Community Number                                                               |
| EMS               | Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)                   |
| GHS               | Globally Harmonized System                                                                      |
| GTEPG             | Group Text Emergency Procedure Guide                                                            |
| IARC              | International Agency for Research on Cancer                                                     |
| LC50              | Lethal Concentration, 50% / Median Lethal Concentration                                         |
| LD50              | Lethal Dose, 50% / Median Lethal Dose                                                           |
| mg/m <sup>3</sup> | Milligrams per Cubic Metre                                                                      |
| OEL               | Occupational Exposure Limit                                                                     |
| pH                | relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline). |
| ppm               | Parts Per Million                                                                               |
| STEL              | Short-Term Exposure Limit                                                                       |
| STOT-RE           | Specific target organ toxicity (repeated exposure)                                              |
| STOT-SE           | Specific target organ toxicity (single exposure)                                                |
| SUSMP             | Standard for the Uniform Scheduling of Medicines and Poisons                                    |
| SWA               | Safe Work Australia                                                                             |
| TLV               | Threshold Limit Value                                                                           |
| TWA               | Time Weighted Average                                                                           |

**Report status**

This document has been compiled by RMT on behalf of the manufacturer, importer or supplier of the product and serves as their Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier.

While RMT has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

**Prepared by**

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