

SAFETY DATA SHEET BP&PIC/12



1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

ADSEAL BLOCK PAVING & PRINTED CONCRETE SEALER

T.D.S Group Ltd, Units 17 & 18 Raikes Clough Industrial Estate, Raikes Lane, Bolton BL3 1RP
Tel: 01204 523973 Fax: 01204 559881 E-mail: enquiries@adseal.info

2. COMPOSITION / INFORMATION ON INGREDIENTS

CONTAINING: XYLENE

dimethyl-benzene

| <u>Component</u> | <u>%</u> | <u>CAS Nr</u> | <u>EECS Nr</u> | <u>Index Number</u> |
|------------------|----------|---------------|-------------------------|---------------------|
| Acrylate | 10 - 30 | 80-62-6 | | |
| 2-methylbenzene | 70 - 100 | 1330-20-7 | 202-422-2/ 215-535-7 | 601-022-00-9 |

3. HAZARDS IDENTIFICATION

| | | |
|-----------------------|----------------------|--|
| Risk Phrases | R10 R20/21 R38 | Flammable Harmful by inhalation and contact with skin Irritating to Skin |
| Labelling Requirement | Xn - | Harmful Xi - Irritant |

4. FIRST AID MEASURES

| | |
|--------------|--|
| Inhalation | Move the exposed person to fresh air. Keep warm and at rest. Perform artificial respiration if breathing has stopped. If breathing is difficult, give oxygen. Obtain medical attention urgently. |
| Skin Contact | Wash skin with soap and water. Remove contaminated clothing which should be washed or dry cleaned before reuse. |
| Eye Contact | Wash eyes with copious amounts of water while lifting the eyelids. Continue to rest for at least 15 minutes. Obtain medical attention urgently. |
| Ingestion | Rinse mouth thoroughly. Keep warm and at rest. Perform artificial respiration if breathing has stopped. If breathing becomes difficult, give oxygen. If conscious, give water to drink but do not induce vomiting because of risk of aspiration. Seek medical attention immediately. |

5. FIRE-FIGHTING MEASURES

| | |
|-------------------------------|---|
| Fire-Fighting Procedures | Use dry chemical or Carbon Dioxide (CO ₂). Do not use water jet as this will spread fire. Use water spray to reduce vapours. Keep fire-exposed containers cool with water spray. Wear self-contained breathing apparatus. |
| Special Hazards | None |
| Hazardous Combustion Products | Fire produces Smoke, Carbon Monoxide, Carbon Dioxide and Water. |

SAFETY DATA SHEET BP&PIC/12

6. ACCIDENTAL RELEASE MEASURES

| | |
|---------------------------|--|
| Personal Precautions | Eliminate ignition sources. Wear Rubber or PVC gloves and goggles. Avoid Contact with liquid. Provide ventilation and confine spill. |
| Environmental Precautions | Do not allow runoff to sewer. If this occurs, inform authorities. |
| Methods of Cleaning | Absorb in dry sand, earth or vermiculite and place into containers. |

7. HANDLING AND STORAGE

| | |
|---------------------|--|
| Handling | Keep away from ignition sources. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Wear approved respirator if air contamination is above accepted level. Keep container closed at all times when not in use. |
| Storage | Keep away from oxidizers, heat, flames and direct sunlight. Store in cool, dry, well ventilated area in closed containers. Take precautionary measures to prevent static discharges. |
| Packaging Materials | Contain in mild or stainless steel containers. Plastics and rubbers are unsuitable. |

8. EXPOSURE CONTROLS

Maximum exposure limits and occupational exposure standards are listed in HSE's EH40 document which should be referred to for the most up to date data. (HSE's Toxicity Review Series TR26 document gives additional information).

| | |
|------------------------|---|
| Exposure Limits | Long term exposure limit TWA 8 hr 100 ppm (441 mg/m ³). Short term exposure limit TWA 15 min 150 ppm (662 mg/m ³). SK = Can be absorbed through skin. |
| Respiratory Protection | If exposed to high concentrations of vapour wear self-contained breathing apparatus. |
| Hand Protection | Use protective gloves made of PVC or Butyl Rubber. |
| Skin Protection | Wear protective apron and boots. |
| Eye Protection | Wear chemical goggles. Provide eyewash station and safety shower. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---------------------------|---|
| Appearance | Coloured solution |
| Odour | Aromatic |
| pH | Not applicable |
| Boiling Point | ca. 200°C |
| Freezing Point | Not applicable |
| Flammability | Flammable. Flammable limits 1.1—6.6 vol%. |
| Auto ignition temperature | 500°C |
| Explosion Hazard | Low to Moderate |
| Oxidising Properties | Not Oxidising |
| Vapour Pressure | Approx. 8.0 mbar at 20°C |
| Solubility in Water | Immiscible |
| Solubility in Solvents | Soluble in most solvents |

SAFETY DATA SHEET FOR:

ADSEAL BLOCK PAVING & PRINTED CONCRETE SEALER

Page: 2

SAFETY DATA SHEET BP&PIC/12

10. STABILITY AND REACTIVITY

| | |
|------------------------|---|
| Stability | Stable under normal conditions |
| Materials to avoid | Strong oxidizing agents and concentrated mineral acids, alcohols, water, amines |
| Conditions to avoid | Heat, Flames and other potential sources of ignition |
| Decomposition Products | Hazardous decomposition products but none when handled correctly. |

11. TOXICOLOGICAL INFORMATION

| | |
|---------------------|---|
| Toxicological Data: | LD ₅₀ (ORAL RAT) 4.8g/kg. |
| Inhalation | Concentrations of around 200-400 ppm will irritate nose, throat, and upper respiratory tract. Progressively higher levels cause flushing, dizziness, tremors, CNS depression and coma. Repeated exposure may cause headaches, fatigue, drowsiness and possible dyspeptic disorders. No evidence of blood disorders. |
| Skin Contact | Irritations and Defatting of skin. Leading to dryness and possibly blistering or dermatitis. Absorbed through intact skin but unless contact is repeated or prolonged this is unlikely to be a significant hazard. |
| Eye Contact | Vapour concentrations in excess of 200 ppm cause irritation. Liquid causes conjunctival irritation with possible corneal burns. |
| Ingestion | Practically non-toxic. Irritates mouth and may cause severe gastrointestinal distress. Aspiration into lungs is hazardous because of risk of chemical pneumonitis. Ingestion of large amounts may produce depression or CNS. |

12. ECOLOGICAL INFORMATION

Do not allow to escape into waterways, waste water or soil.

13. DISPOSAL CONSIDERATIONS

The relevant EC Directives and local, regional and national regulations must be complied with.

European Waste Catalogue (EWC) code: 080102 Waste products from MFSU of paint and varnish.

14. TRANSPORT INFORMATION

| | |
|-----------------------|-------------------------|
| UN Number: | 1307 |
| Class: | 3.0.0 Flammable Liquids |
| Packaging Group | III |
| RID/ADR | 3 Inflammable Liquids |
| IMO Class | 3.3 Flammable Liquids |
| IMDG Code Page Number | 3394 Amdt 25-89 |
| ICAO/IATA Class | 3 Flammable Liquids |
| Kemler Code | 30 |
| Tremcard Number | TEC(R)33 OR 61G07C |
| CCT Number | 2902 4490 |

SAFETY DATA SHEET FOR:

ADSEAL BLOCK PAVING & PRINTED CONCRETE SEALER

Page: 3

SAFETY DATA SHEET BP&PIC/12

15. REGULATORY INFORMATION

Classification and Labelling according to EC directives.

| | |
|--|--|
| Classification | Xn Harmful |
| Risk Phrases | R10 Flammable R20/21 Harmful by inhalation and contact with skin R38 Irritating to skin |
| Safety Phrases | S25 Avoid Contact with the eyes |
| (Also obligatory where substance or preparation is sold to the General Public) | S2 Keep out of Reach of Children |
| Applicable Legislation | Packaging and Labeling of Dangerous Substances Regulations 1990, Environmental Protection Act 1990, COSHH Regulations 1988, CHIP 1988. |

IMPORTANT NOTE

This data sheet does not constitute a user's assessment of workplace risk as required by HSW Act, COSHH, Management of Health & Safety at Work Regulations or other Health & Safety legislation.

16. OTHER INFORMATION

| | |
|----------------------|---|
| Sources of Key Data: | Raw Material manufacturers safety data sheets, National and International Regulations. |
| Recommended Uses: | Cleaning equipment used for, and re-emulsifying surfaces coated with, xylene based acrylics |