

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

**Product name:** ADOBREAK  
**Synonyms:** BITUMEN SOLUTION  
**Company name:** Adomast Building Chemicals Ltd  
Unit G  
Lea Road Trading Estate  
Waltham Abbey  
Essex  
EN9 1AE  
Tel: 01992 710684  
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### 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous ingredients:** XYLENE 1-10%  
EINECS: 215-535-7 CAS: 1330-20-7  
[-] R10; [Xn] R20/21; [Xi] R38

- CUMENE <1%  
EINECS: 202-704-5 CAS: 98-82-8  
[-] R10; [Xi] R37; [N] R51/53; [Xn] R65
- MESITYLENE 1-10%  
EINECS: 203-604-4 CAS: 108-67-8  
[-] R10; [Xi] R37; [N] R51/53
- 1,2,4-TRIMETHYLBENZENE 1-10%  
EINECS: 202-436-9 CAS: 95-63-6  
[-] R10; [Xn] R20; [Xi] R36/37/38; [N] R51/53
- STRAIGHT RUN KEROSENE - SOLVENT NAPHTHA (PETROLEUM), MEDIUM ALIPH.  
10-30%  
EINECS: 265-191-7 CAS: 64742-88-7  
[Xn] R65; [Xi] R38; [N] R51/53

### 3. HAZARDS IDENTIFICATION

**Main hazards:** Flammable. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Other hazards:** In use, may form flammable / explosive vapour-air mixture.

### 4. FIRST AID MEASURES (SYMPTOMS)

**Skin contact:** Unlikely to cause harm to the skin on brief or occasional contact but repeated or prolonged exposure may lead to dermatitis.

**Eye contact:** There may be irritation and pain. The eyes may water profusely.

**Ingestion:** May cause stomach pain or vomiting.

**Inhalation:** Exposure to high concentrations of vapors which may cause effects ranging from irritation to the nose and throat, nausea, headaches, intoxication and unconsciousness.

**4. FIRST AID MEASURES (ACTION)**

- Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.
- Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.
- Ingestion:** Do not induce vomiting. Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Consult a doctor.
- Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

**5. FIRE-FIGHTING MEASURES**

- Extinguishing media:** Dry chemical powder. Carbon dioxide. Foam Small Fires: Foam, dry powder, carbon dioxide, sand or earth Do not use water.
- Exposure hazards:** Flammable. In combustion emits toxic fumes. Vapours settle to ground level. Forms explosive air-vapour mixture.
- Protection of fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

**6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions:** Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid. Eliminate all sources of ignition.
- Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.
- Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

**7. HANDLING AND STORAGE**

- Handling requirements:** Keep containers closed when not in use.
- Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Workplace exposure limits**

**WEL (8 hr exposure limit):** 600 mg/m<sup>3</sup>

**Hazardous ingredients:** XYLENE

WEL (8 hr exposure limit): 220 mg/m<sup>3</sup> WEL (15 min exposure limit): 441 mg/m<sup>3</sup>

- CUMENE

WEL (8 hr exposure limit): 125 mg/m<sup>3</sup> WEL (15 min exposure limit): 250 mg/m<sup>3</sup>

- MESITYLENE

WEL (8 hr exposure limit): 25 ppm

- 1,2,4-TRIMETHYLBENZENE

WEL (8 hr exposure limit): 100 mg/m<sup>3</sup> WEL (15 min exposure limit): 200 mg/m<sup>3</sup>

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**SAFETY DATA SHEET**

ADOBREAK

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency. Respiratory protection is unnecessary, provided the concentration of vapour, mists or fumes is adequately controlled.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**State:** Liquid

**Colour:** Black

**Odour:** Characteristic odour

**Evaporation rate:** Moderate

**Solubility in water:** Insoluble

**Also soluble in:** Most organic solvents.

**Viscosity:** Low viscosity liquid

**Boiling point/range°C:** >150

**Flammability limits %: lower:** 0.6

**upper:** 8.0

**Flash point°C:** 39

**Vapour pressure:** 2.40 mm mercury

**Relative density:** 0.90

**VOC g/l:** <300

**10. STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions. Stable at room temperature.

**Conditions to avoid:** High temperatures

**Materials to avoid:** Strong acids. Alkalis. Halogens. Oxidising agents.

**Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

**11. TOXICOLOGICAL INFORMATION**

**Acute toxicity:** ADOBREAK

ORL RAT LD50 5000+ mg/kg

**Hazardous ingredients:** XYLENE

ORL MUS LD50 2119 mg/kg

ORL RAT LD50 4300 mg/kg

SCU RAT LD50 1700 mg/kg

- CUMENE

ORL MUS LD50 12750 mg/kg

ORL RAT LD50 1400 mg/kg

- MESITYLENE

IPR GPG LDLO 1303 mg/kg

- 1,2,4-TRIMETHYLBENZENE

IPR RAT LDLO 1752 mg/kg

ORL RAT LD50 5 gm/kg

**Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

## 12. ECOLOGICAL INFORMATION

**Mobility:** Readily absorbed into soil.

**Persistence and degradability:** Biodegradable.

**Bioaccumulative potential:** No bioaccumulation potential.

**Other adverse effects:** White spirit is a marine pollutant

## 13. DISPOSAL CONSIDERATIONS

**Disposal operations:** D10 Incineration on land. D1 Tipping above or underground (e.g. landfill, etc.).

**Disposal of packaging:** Empty containers then treat as above.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## 14. TRANSPORT INFORMATION

### ADR / RID

**UN no:** 1999

**ADR Class:** 3

**Packing group:** III

**Classification code:** F1

**Shipping name:** TARS, LIQUID

**Labelling:** 3

**Hazard ID no:** 30



### IMDG / IMO

**UN no:** 1999

**Class:** 3

**Packing group:** III

**EmS:** F-E,S-E

**Marine pollutant:** .

**Labelling:** 3

### IATA / ICAO

**UN no:** 1999

**Class:** 3

**Packing group:** III

**Packing instructions:** 309(P&CA); 310(CAO)

**Labelling:** 3

## 15. REGULATORY INFORMATION

**Hazard symbols:** Dangerous for the environment.

Harmful.



**Risk phrases:** R10: Flammable.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## SAFETY DATA SHEET

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**Safety phrases:** S24: Avoid contact with skin.  
S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.

**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

### 16. OTHER INFORMATION

**Risk phrases used in s.2:** R10: Flammable.  
R20/21: Harmful by inhalation and in contact with skin.  
R38: Irritating to skin.  
R37: Irritating to respiratory system.  
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65: Harmful: may cause lung damage if swallowed.  
R20: Harmful by inhalation.  
R36/37/38: Irritating to eyes, respiratory system and skin.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.