







**MATERIAL SAFETY DATA SHEET FOR  
BOSS ABS PRESSURE SOLVENT CEMENT - 79088075**

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY**

|                               |   |
|-------------------------------|---|
| <b>Product type:</b>          | Adhesive  |
| <b>Intended use:</b>          | Jointing pipe and fittings in pressure systems  |
| <b>Trade Name:</b>            | BOSS ABS Pressure Solvent Cement  |
| <b>Supplier of product:</b>   | The BSS Group Ltd   |
| <b>Registered Office:</b>     | Travis Perkins PLC, Lodge Way House, Lodge Way, Harlestone Road, Northampton NN5 7UG. |
| <b>Telephone/Fax Numbers:</b> | 0116 245 5500 / 0116 218 2214   |
| <b>E-mail Address</b>         | <a href="mailto:reception@bssgroup.com">reception@bssgroup.com</a>                    |
| <b>Web site Address</b>       | <a href="http://www.bssindustrial.co.uk">www.bssindustrial.co.uk</a>                  |

**2. HAZARD IDENTIFICATION**

|   |  |
|---|--|
| <b>Classification according to Regulation (EC) No 1272/2008</b>                     |  |
|   | GHS02 Flame  |
| Flam. Liq.  | H225 Highly flammable liquid and vapour  |
|  | GHS07  |
| Eye Irrit. 2  | H319 Causes serious eye irritation.  |
| STOT SE 3   | H336 May cause drowsiness or dizziness.  |
| <b>Labelling according to Regulation (EC) No 1272/2008</b>                          |  |
| The product is classified and labelled according to the CLP regulation.             |  |
| <b>Hazard pictograms</b>  |  |
|  | GHS02 Flame  |
|  | GHS07  |
| <b>Signal word</b>  | Danger   |
| <b>Hazard-determining components of labelling:</b>                                  | methyl ethyl ketone  |
| <b>Hazard statements</b>  | H225 Highly flammable liquid and vapour.<br>H319 Causes serious eye irritation.<br>H336 May cause drowsiness or dizziness. |



## **2. HAZARD IDENTIFICATION cont**

|                                    |  |  |
|------------------------------------|--|--|
| Precautionary statements           | P101   | If medical advice is needed, have product container or label at hand.  |
|                                    | P102   | Keep out of reach of children.   |
|                                    | P210   | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.                     |
|                                    | P261   | Avoid breathing vapours.   |
|                                    | P370+P378  | In case of fire: Use to extinguish: Water haze, Alcohol resistant foam, Fire-extinguishing powder, Carbon dioxide. |
|                                    | P403+P233  | Store in a well-ventilated place. Keep container tightly closed.   |
|                                    | P501   | Dispose of contents/container in accordance with national regulations  |
| Additional information:            | EUH066 Repeated exposure may cause skin dryness or cracking. |  |
| Other hazards                      |  |  |
| Results of PBT and vPvB assessment | PBT:   | Not applicable.  |
|                                    | vPvB:  | Not applicable.  |

## **3. COMPOSITION/INFORMATION ON INGREDIENTS.**

|  |  |         |
|--|--|---------|
| <b>Chemical characterization: Mixtures</b><br><b>Description: Adhesive</b><br><b>Dangerous components:</b> |  |         |
| CAS: 78-93-3<br>EINECS: 201-159-0<br>Reg.nr.: 01-2119457290-43   | methyl ethyl ketone<br>Flam. Liq. 2, H225;<br>STOT SE 3, H336<br>Eye Irrit. 2, H319; | 50-100% |
| <b>Additional information:</b><br>For the wording of the listed risk phrases refer to section 16.          |  |         |

## **4. FIRST AID MEASURES**

|   |  |
|---|--|
| <b>Description of first aid measures</b>  |  |
| <b>After Inhalation:</b>  | Supply fresh air. Consult doctor in case of complaints.  |
| <b>After Skin Contact:</b>  | Generally the product does not irritate the skin   |
| <b>After Eye Contact:</b>   | Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. |
| <b>After Swallowing:</b>  | Do not induce vomiting; call for medical help immediately  |
| <b>Most important symptoms and effects, both acute and delayed</b><br>No further relevant information available.                |  |
| <b>Indication of any immediate medical attention and special treatment needed</b><br>No further relevant information available. |  |



## **5. FIRE FIGHTING MEASURES**

|   |  |
|---|--|
| <b>Suitable extinguishing agents:</b>                         | Water haze<br>Alcohol resistant foam<br>Fire-extinguishing powder<br>Carbon Dioxide  |
| <b>For safety reasons unsuitable extinguishing agents:</b>    | Water with full jet  |
| <b>Special hazards arising from the substance or mixture:</b> | No further relevant information available.   |
| <b>Advice for firefighters</b>                                |  |
| <b>Protective equipment:</b>                                  | Mount respiratory protective device  |
| <b>Additional information:</b>                                | Cool endangered receptacles with water spray<br>Collect contaminated fire fighting water separately. It must not enter the sewage system |

## **6. ACCIDENTAL RELEASE MEASURES**

|  |   |
|--|---|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Wear protective equipment. Keep unprotected persons away  |
| <b>Environmental precautions:</b>  | Prevent seepage into sewage systems, work pits and cellars<br>Do not allow to enter sewers/surface or ground water  |
| <b>Methods and material for containment and cleaning up:</b>               | Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust)<br>Dispose contaminated material as waste according to item 13<br>Ensure adequate ventilation |
| <b>Reference to other sections</b>   | See Section 7 for information on safe handling.<br>See Section 8 for information on personal protection equipment.<br>See Section 13 for disposal information.                                |

## **7. HANDLING AND STORAGE:**

|   |  |
|---|--|
| <b>Handling</b>   |  |
| <b>Precautions for safe handling:</b>                               | Ensure good ventilation/exhaustion at the workplace.<br>Prevent formation of aerosols.<br>Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air). |
| <b>Information about fire - and explosion protection:</b>           | Keep ignition sources away – Do not smoke<br>Protect against electrostatic charges   |
| <b>Conditions for safe storage, including any incompatibilities</b> |  |
| <b>Storage:</b>   |  |
| <b>Requirements to be met by storerooms and receptacles:</b>        | Store in a cool location   |
| <b>Information about storage in one common storage facility:</b>    | Not required   |
| <b>Further information about storage conditions:</b>                | Keep receptacles tightly sealed<br>Store in cool, dry conditions in well sealed receptacles  |
| <b>Specific end use (s)</b>   | No further relevant information available  |




## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

|  |  |  |         |
|--|--|--|---------|
| <b>Additional information about design of technical facilities:</b>            | No further data, see item 7  |  |         |
| <b>Ingredients with limit values that require monitoring at the workplace:</b> |  |  |         |
| <b>78-93-3 Methyl Ethyl Ketone</b>   | WEL (Great Britain)  | Short-term value: 899 mg/m <sup>3</sup>            | 300ppm  |
|  |  | Long-term value: 600 mg/m <sup>3</sup><br>Sk, BMGV | 200ppm  |
|  | IOELV (European Union)   | Short-term value: 900 mg/m <sup>3</sup> ,          | 300 ppm |
|  |  | Long-term value: 600 mg/m <sup>3</sup> ,           | 200 ppm |
| <b>Ingredients with biological limit values</b>                                |  |  |         |
| <b>78-93-3 Methyl Ethyl Ketone</b>   | BMGV (Great Britain)   | 70 µmol/L  |         |
|  | Medium:  | urine  |         |
|  | Sampling time:   | post shift   |         |
|  | Parameter:   | butan-2-one  |         |
| <b>Additional information:</b>   | This lists valid during the making were used as a basis  |  |         |
| <b>Exposure Controls</b>   |  |  |         |
| <b>Personal protective equipment:</b>  |  |  |         |
| <b>General protective and hygienic measures:</b>                               | The usual precautionary measures are to be adhered to when handling chemicals<br>Keep away from foodstuffs, beverages and feed<br>Immediately remove all soiled and contaminated clothing<br>Wash hands before breaks and at the end of work<br>Do not inhale gases / fumes / aerosols<br>Avoid contact with the eyes<br>Avoid contact with the eyes and skin                          |  |         |
| <b>Respiratory Protection:</b>   | Use suitable respiratory protective device in case of insufficient ventilation   |  |         |
| <b>Recommended filter device for short term use:</b>                           | Filter A   |  |         |
| <b>Protection of hands:</b>  | Solvent resistant gloves<br>The glove material has to be impermeable and resistant to the product/the substance/the preparation<br>Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture<br>Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation |  |         |
| <b>Material of gloves:</b>   | The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.                                    |  |         |
| <b>Penetration time of glove material:</b>                                     | The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.  |  |         |



## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (cont)

|   |  |
|---|--|
| For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable: | PVC or PE gloves   |
| Eye Protection:   |  Tightly sealed goggles |
| Body Protection:  | Solvent resistant protective clothing  |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

| General Information                       |  |
|---|--|
| Form:                                     | Fluid  |
| Colour:                                   | According to product specification   |
| Odour:                                    | Characteristic   |
| Odour threshold:                          | Not determined   |
| pH-value:                                 | Not determined   |
| Change in condition                       |  |
| Melting point/Melting range:              | Undetermined   |
| Boiling point/boiling range:              | 79°C   |
| Flash point:                              | -1°C   |
| Flammability (solid, gaseous):            | Not applicable   |
| Ignition temperature:                     | 514°C  |
| Self-igniting:                            | Product is not self igniting   |
| Danger of explosion:                      | Product is not explosive. However, formation of explosive air/vapour mixtures are possible.  |
| Explosion Limits:                         |  |
| Lower:                                    | 1.8 Vol %  |
| Upper:                                    | 11.5 Vol %   |
| Vapour pressure at 20°C:                  | 105 hPa  |
| Density at 20°C:                          | 0.86 g/cm <sup>3</sup>   |
| Relative Density:                         | Not determined   |
| Vapour Density:                           | Not determined   |
| Evaporation rate:                         | Not determined   |
| Solubility in/Miscibility with water:     | Not miscible or difficult to mix   |
| Partition coefficient (n-octanol / water) | Not determined   |
| Viscosity:                                |  |
| Dynamic at 20°C:                          | 2500 mPas  |
| Kinematic:                                | Not determined   |
| Organic solvents:                         | 74.8%  |
| Solid content:                            | 24.3%  |
| Other information:                        | All relevant physical data were determined for the mixture. All non-determined data are not measurable or not relevant for the characterization of the mixture |



## **10. STABILITY AND REACTIVITY**

|  |  |
|--|--|
| <b>Reactivity:</b>                                     | No further relevant information available            |
| <b>Chemical stability</b>                              |  |
| <b>Thermal decomposition/conditions to be avoided:</b> | No decomposition if used according to specifications |
| <b>Possibility of hazardous reactions:</b>             | No dangerous reactions known                         |
| <b>Conditions to avoid:</b>                            | No further relevant information available            |
| <b>Incompatible materials:</b>                         | No further relevant information available            |
| <b>Hazardous decomposition products:</b>               | Danger of forming toxic pyrolysis products           |

## **11. TOXICOLOGICAL INFORMATION**

|  |   |
|--|---|
| <b>Information on toxicological effects</b>                                      |   |
| <b>Acute Toxicity:</b>   | Based on available data, the classification criteria are not met  |
| <b>LD/LC50 values relevant for classification:</b>                               |   |
| <b>78-93-3 methyl ethyl ketone</b>   | Oral LD50 3300 mg/kg (rat)  |
|  | Dermal LD50 5000 mg/kg (rbt)                                      |
| <b>Primary Irritant Effect:</b>  |   |
| <b>Skin corrosion/irritation</b>   | Based on available data, the classification criteria are not met. |
| <b>Serious eye damage / irritation:</b>  | Causes serious eye irritation                                     |
| <b>Respiratory or skin sensitisation</b>   | Based on available data, the classification criteria are not met. |
| <b>CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)</b> |   |
| <b>Germ cell mutagenicity:</b>   | Based on available data, the classification criteria are not met  |
| <b>Carcinogenicity:</b>  | Based on available data, the classification criteria are not met  |
| <b>Reproductive toxicity:</b>  | Based on available data, the classification criteria are not met  |
| <b>STOT-single exposure:</b>   | May cause drowsiness or dizziness                                 |
| <b>STOT-repeated exposure:</b>   | Based on available data, the classification criteria are not met  |
| <b>Aspiration hazard:</b>  | Based on available data, the classification criteria are not met  |

## **12. ECOLOGICAL INFORMATION**



|   |   |
|---|---|
| <b>Toxicity</b>                           |   |
| <b>Aquatic toxicity:</b>                  | No further relevant information available.  |
| <b>Persistence and degradability:</b>     | No further relevant information available.  |
| <b>Bioaccumulative potential:</b>         | No further relevant information available.  |
| <b>Mobility in soil:</b>                  | No further relevant information available.  |
| <b>Additional ecological information:</b> |   |
| <b>General Notes:</b>                     | Water hazard class 1 (German Regulations) (Self Assessment): slightly hazardous for water<br>Do not allow undiluted product or large quantities of it to reach ground water, water course of sewage system. |
| <b>Results of PBT and vPvB assessment</b> |   |
| <b>PBT:</b>                               | Not applicable  |
| <b>vPvB:</b>                              | Not applicable.   |
| <b>Other adverse effects</b>              | No further relevant information available.  |



### 13. DISPOSAL CONSIDERATIONS

| Waste treatment methods |  |
|-------------------------|--|
| <b>Recommendation:</b>  | Must not be disposed together with household garbage. Do not allow product to reach sewage system.   |
| Uncleaned Packaging     |  |
| <b>Recommendation:</b>  | Disposal must be made according to official regulations<br>Packagings that may not be cleansed are to be disposed of in the same manner as the product |

### 14. TRANSPORT INFORMATION

| UN-Number   |   | UN1133   |                                |
|---|---|--|--------------------------------|
| ADR, and, IMDG, IATA  |   |  |                                |
| UN proper shipping name   |   | 1133 ADHESIVES   |                                |
| ADR/ADN   |   | ADHESIVES  |                                |
| IMDG, IATA  |   |  |                                |
| Transport hazard class(es)  |   |  |                                |
| ADR/AND   |  | Class<br>Label   | 3 (F1) Flammable liquids.<br>3 |
| IMDG, IATA  |  | Class<br>Label   | 3 Flammable liquids.<br>3      |
| Packing group   |   | III  |                                |
| ADR, AND, IMDG, IATA  |   |  |                                |
| Environmental hazards:  |   | No   |                                |
| Marine pollutant:   |   | Warning: Flammable liquids.  |                                |
| Special precautions for user  |   | 33   |                                |
| Danger code (Kemler):   |   | F-E,S-D  |                                |
| EMS Number:   |   | A  |                                |
| Stowage Category:   |   | Not applicable.  |                                |
| Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code |   |  |                                |
| Transport/Additional information:                                       |   |  |                                |
| ADR/ADN   |   | 5L   |                                |
| Limited quantities (LQ)   |   | Code: E1   |                                |
| Excepted quantities (EQ)  |   | Maximum net quantity per inner packaging: 30ml<br>Maximum net quantity per outer packaging: 1000ml   |                                |
| Transport category  |   | 3  |                                |
| Tunnel restriction code   |   | D/E  |                                |
| IMDG  |   |  |                                |
| Limited quantities (LQ)   |   | 5L   |                                |
| Excepted quantities (EQ)  |   | Code: E1<br>Maximum net quantity per inner packaging: 30ml<br>Maximum net quantity per outer packaging: 1000ml   |                                |
| Remarks:  |   | Under certain conditions substances in Class 3 (flammable liquids) can be classified in packing group III.<br>See IMDG, Part 2, Chapter 2.3, Paragraph 2.3.2.2 |                                |
| . UN "Model Regulation":  |   | UN 1133 ADHESIVES, 3, III  |                                |



## **15. REGULATORY INFORMATION**

| <b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b> |   |
|---|---|
| <b>Directive:</b>   | 2012/18/EU  |
| <b>Named dangerous substances – ANNEX I</b>   | None of the ingredients is listed                     |
| <b>Qualifying quantity (tonnes) for the application of lower-tier requirements</b>                    | 5,000 t   |
| <b>Qualifying quantity (tonnes) for the application of upper-tier requirements</b>                    | 50,000 t  |
| <b>REGULATION (EC) No 1907/2006 ANNEX XVII</b>  | Conditions of restriction: 3                          |
| <b>15.2 Chemical safety assessment:</b>   | A Chemical Safety Assessment has not been carried out |

## **16. OTHER INFORMATION**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

### **Relevant phrases**

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Flam. Liq. 2: Flammable liquids – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

### **DISCLAIMER**

This information relates only to the specific material designated and may not be valid for such material used in combination with any other material 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, the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.