

**MATERIAL SAFETY DATA SHEET FOR
BOSS PVCU NON PRESSURE SOLVENT CEMENT**



1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY





Product type:	Adhesive
Intended use:	Suitable for gap-filling and jointing non-pressure and drainage PVCU applications
Trade Name:	BOSS PVCU Non Pressure Solvent Cement
Supplier of product:	The BSS Group plc
Registered Office:	Fleet House, Lee Circle, Leicester, LE1 3QQ
Telephone/Fax Numbers:	0116 262 3232 / 0116 253 1343
E-mail Address	reception@bssgroup.com
Web site Address	www.bss-group.co.uk

2. HAZARD IDENTIFICATION

Classification of the substance or mixture		
Classification according to Regulation (EC) No 1272/2008		
	GHS02 Flame	H225 Highly flammable liquid and vapour
	GHS07	H319 Causes serious eye irritation H336 May cause drowsiness or dizziness H303 May be harmful if swallowed H313 May be harmful if in contact with skin
Classification according to Directive 67/548/EEC or Directive 1999/45/EC		
		Xi; Irritant R36: Irritating to eyes
		F; Highly flammable R11: Highly flammable
		R67: Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness
Information concerning to particular hazards to man and environment:		
The product has to be labelled due to the calculation procedure on the “General Classification guideline for preparations of the EU” in the latest valid version.		
At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent. Has a narcotizing effect.		

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2. HAZARD IDENTIFICATION cont.

Classification system:	The classification is according to the latest edition of the EU-lists, and extended by company and literature data.
Label elements Labelling according to Regulations (EC) No 1272/2008 Hazard pictograms	
 	
GHS02 GHS07	
Signal Word: Danger	
Hazard-determining components of labelling: Void	
Hazard Statements: Highly flammable liquid and vapour May be harmful if swallowed May be harmful in contact with skin Causes serious eye irritation May cause drowsiness or dizziness	
Precautionary statements: Keep away from heat/sparks/open flames/hot surfaces – No smoking Use explosion-proof electrical/ventilating/lighting/equipment. IF ON SKIN (of hair): Remove/Take off immediately all contaminated clothing Rinse skin with water/shower IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Store locked up Dispose of contents/container in accordance with local/regional/national/international regulations.	
Labelling According to EU Guidelines:	
The product has been classified and marked in accordance with EU Directives/Ordinance on Hazardous Materials	
Code letter and hazard designation of product:	
 	
Xi Irritant F Highly flammable	
Risk Phrases: 11 Highly flammable 36 Irritation to eyes 66 Repeated exposure may cause skin dryness or cracking 67 Vapours may cause drowsiness and dizziness	
Safety Phrases: 9 Keep container in a well-ventilated place 16 Keep away from sources of ignition – No smoking 24 Avoid contact with skin 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice 46 If swallowed, seek medical advice immediately and show this container or label 51 Use only in well-ventilated areas	

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3. COMPOSITION/INFORMATION ON INGREDIENTS.

Chemical Characterization					
Description:	Adhesive				
Main Constituents:	%	Cas No.	EINECS	Symbols	Risk Phrases
Methyl Ethyl Ketone	25-50	78-93-3	201-159-0	Xi, F	11, 36, 66, 67
	GHS02 H225, GHS07 H319; H336				
Cyclohexanone	10-25	108-94-1	203-631-1	Xn	10, 20
	GHS02 H226; GHS07 H332				
Tetrahydrofuran	10-25	109-99-9	203-726-8	Xi	11, 19, 36/37
	GHS02 H225; GHS07 H319, H335				
N-Methyl-2-Pyrrolidone	<2.5%	872-50-4	212-828-1	T R61, Repr. Cat 2; Xi	36/37/38
	GHS08 H360; GHS07 H315, H319; H335				
Additional Information: For the wording of the listed risk phrases refer to section 16					

4. FIRST AID MEASURES

After Inhalation:	Supply fresh air; consult doctor in case of complaints.
After Skin Contact:	Generally the product does not irritate the skin
After Eye Contact:	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After Swallowing:	Do not induce vomiting; call for medical help immediately

5. FIRE FIGHTING MEASURES

Suitable extinguishing agents:	Water haze Alcohol resistant foam Fire-extinguishing powder Carbon Dioxide
For safety reasons unsuitable extinguishing agents:	Water with full jet
Protective equipment:	Mount respiratory protective device
Additional information:	Cool endangered receptacles with water spray Collect contaminated fire fighting water separately. It must not enter the sewage system

6. ACCIDENTAL RELEASE MEASURES

Person-related safety precautions:	Wear protective equipment. Keep unprotected persons away
Measures for environmental protection:	Prevent seepage into sewage systems, work pits and cellars Do not allow to enter sewers/surface or ground water
Measures for cleaning/collecting:	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust) Dispose contaminated material as waste according to item 13 Ensure adequate ventilation

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7. HANDLING AND STORAGE:

Handling	
Information for safe handling:	Ensure good ventilation/exhaustion at the workplace Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air)
Information about fire - and explosion protection:	Keep ignition sources away – Do not smoke Protect against electrostatic charges
Storage	
Requirements to be met by storerooms and receptacles:	Store in a cool location
Information about storage in one common storage facility:	Not required
Further information about storage conditions:	Keep receptacles tightly sealed Store in cool, dry conditions in well sealed receptacles

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical facilities:	No further data, see item 7		
Ingredients with limit values that require monitoring at the workplace:			
78-93-3 Methyl Ethyl Ketone	WEL	Short-term value: 899 mg/m ³ Long-term value: 600 mg/m ³ Sk	300 ppm 200 ppm
108-94-1 Cyclohexanone	WEL	Short-term value: Long-term value: Sk	20 ppm 10 ppm
109-99-9 Tetrahydrofuran	WEL	Short-term value: 300 mg/m ³ , Long-term value: 150 mg/m ³ Sk	100 ppm 50 ppm
872-50-4 N-methyl-2-pyrrolidone	WEL	Short-term value: 309 mg/m ³ , Long-term value: 103 mg/m ³ Sk	75 ppm 25 ppm
Additional information:	This lists valid during the making were used as a basis		
Personal protective equipment			
General protective and hygienic measures:	The usual precautionary measures are to be adhered to when handling chemicals. Keep away from foodstuffs, beverages and feed Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work Avoid contact with the eyes Avoid contact with the eyes and skin		
Respiratory Protection:	Not required		
Protection of hands:	Protective gloves Solvent resistant gloves The glove material has to be impermeable and resistant to the product/the substance/the preparation Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation		

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION (cont.)

Material of gloves:	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.
Penetration time of glove material:	The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
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 goggled
Body Protection:	Solvent resistant protective clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information	
Form:	Fluid
Colour:	According to product specification
Odour:	Characteristic
Change in condition	
Melting point/Melting range:	Undetermined
Boiling point/boiling range:	65°C
Flash point:	< 0°C
Ignition temperature:	230°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:	1.3 Vol %
Upper:	12.0 Vol %
Vapour pressure at 20°C:	200 hPa
Density at 20°C:	0.92 g/cm ³
Solubility in/Miscibility with water:	Not miscible or difficult to mix
Solids Content:	20.5%

10. STABILITY AND REACTIVITY

Thermal decomposition/conditions to be avoided:	No decomposition if used according to specifications
Dangerous reactions:	No dangerous reactions known
Dangerous decomposition products:	Danger of forming toxic pyrolysis products

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11. TOXICOLOGICAL INFORMATION

Acute toxicity	
Primary Irritant Effect:	
On the Skin:	No irritant effect
On the Eyes:	Irritating effect
Sensitization:	No sensitizing effects known
Additional toxicological information:	The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version – Irritant

12. ECOLOGICAL INFORMATION

General Notes:	Water hazard class 1 (German Regulations) (Self Assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course of sewage system.
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13. DISPOSAL CONSIDERATIONS

Product	
Recommendation:	Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Uncleaned Packaging	
Recommendation:	Disposal must be made according to official regulations Packagings that may not be cleansed are to be disposed of in the same manner as the product

14. TRANSPORT INFORMATION

Land Transport ADR/RIDD (cross-border)	
ADR/RID Class:	3 (F1) Flammable liquids
Danger code (Kemler):	33
UN-Number:	1133
Packaging group:	II
Hazard label:	3
Description of goods:	1133 ADHESIVES, special provision 640D
Limited quantities (LQ):	LQ6
Transport category:	2
Tunnel restriction code:	D/E
Maritime Transport IMDG:	
IMDG Class:	3
UN Number:	1133
Label:	3
Packaging Group:	II
EMS Number:	F-E, S-D
Marine Pollutant:	No
Proper Shipping Name:	ADHESIVES
Air Transport ICAO-TI and IATA-DGR:	
ICAO/IATA Class:	3

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14. TRANSPORT INFORMATION (cont.)

UN/ID Number:	1133
Label:	3
Packaging Group:	II
Proper Shipping Name:	ADHESIVES
UN "Model Regulation":	UN1133, ADHESIVES, 3, II

15. REGULATORY INFORMATION

Regulatory Information	
Chemical Safety Assessment:	A Chemical Safety Assessment has now been carried out
National Regulations	
Technical Instructions (air):	
Class Share in %	NK 50-100
Water Hazard Class	
Water hazard class 1 (self-assessment):	Slightly hazardous for water

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.

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.