

# MATERIAL SAFETY DATA SHEET FOR BOSS UNIVERSAL



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

<b>Product type:</b>	Castor based pipe thread sealant
<b>Intended use:</b>	Pipe thread sealant
<b>Trade Name:</b>	BOSS Universal
<b>Supplier of product:</b>	The BSS Group plc
<b>Registered Office:</b>	Fleet House, Lee Circle, Leicester, LE1 3QQ
<b>Telephone/Fax Numbers:</b>	0116 262 3232 / 0116 253 1343
<b>E-mail Address</b>	reception@bssgroup.com
<b>Web site Address</b>	www.bss-group.co.uk

## 2. HAZARD IDENTIFICATION

<b>Eyes:</b>	May cause irritation
<b>Skin:</b>	Possible rash for persons with sensitivity
<b>Inhalation:</b>	Viscous nature may block breathing passages if inhaled
<b>Ingestion:</b>	May cause diarrhoea

## 3. COMPOSITION/INFORMATION ON INGREDIENTS.

<b>Hazardous Components:</b>	<b>CAS No</b>	<b>EC No</b>	<b>WT%</b>	<b>OSHA PEL</b>	<b>ACGHI TLV</b>
<b>Aramid Fibre</b>	26125-61-1	- - -	0.5-1	5mg/m <sup>3</sup>	10mg/m <sup>3</sup>
<b>Baragel</b>	14808-60-7	238-878-4	5mg/m <sup>3</sup>	5mg/m <sup>3</sup>	10mg/m <sup>3</sup>
<b>Bentonite</b>	1302-78-9	215-108-5	10-15	Not established	
<b>Castor Oil</b>	8001-79-4	232-293-8	25-30	Not established	
<b>Diacetone Alcohol</b>	123-42-2	204-626-7	5-10	50ppm	50ppm
<b>Mica</b>	12001-26-2	310-127-6	10-15	5mg/m <sup>3</sup>	10mg/m <sup>3</sup>
<b>Polyoxyalkalene Glycol</b>	31694-55-0	500-075-4	2-5	Not established	
<b>PTFE Flake</b>	9002-84-0	204-126-9	2-5	Not established	
<b>Talc</b>	14807-96-6	238-877-9	15-20	2mg/m <sup>3</sup>	2mg/m <sup>3</sup>
<b>Titanium Dioxide</b>	13463-67-7	236-675-5	1-2	15,g/m <sup>3</sup>	10mg/m <sup>3</sup>
<b>Oleoresinous Binders</b>	Proprietary mix		5-10	(Not colophony)	

## 4. FIRST AID MEASURES

<b>Eye Contact:</b>	Flush with water until all residual material is gone. If irritation persists, seek medical help.
<b>Skin Contact:</b>	Wash thoroughly with hand cleanser, followed by soap and water. Contaminated clothing should be dry cleaned before reuse.
<b>Inhalation:</b>	Clear air passage. If respiratory difficulty continues, seek medical help.
<b>Ingestion:</b>	Wash out mouth immediately. Consult physician.

# MATERIAL SAFETY DATA SHEET FOR BOSS UNIVERSAL

## 5. FIRE FIGHTING MEASURES

<b>Extinguishing Media:</b>	Foam, dry powder, carbon dioxide, sand, earth or water mist.
<b>Unsuitable Extinguishing Media:</b>	Water jet
<b>Protective Equipment for Fire-fighting:</b>	Self-contained breathing apparatus

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Wear gloves & eye protection
<b>Environmental Precautions:</b>	Do not allow it to enter drains or watercourses
<b>Spillage:</b>	Scrape up bulk, then wipe up remainder with cloth. To prevent walking hazard, pick up remaining residue with diatomaceous earth or sand.

## 7. HANDLING AND STORAGE:

<b>Handling:</b>	No special handling precautions necessary
<b>Storage precautions:</b>	Do not store at elevated temperatures

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Hand Protection:</b>	Protective gloves for sensitive persons
<b>Eye Protection:</b>	Glasses, if applied to parts in motion
<b>Body Protection:</b>	None needed
<b>Respiratory Protection:</b>	None needed

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Semifluid (gel)
<b>Colour:</b>	Ivory/Beige
<b>Odour:</b>	Pungent
<b>Boiling Range/Point (°C):</b>	>189
<b>Melting Point (°C):</b>	None
<b>pH:</b>	Neutral
<b>Flash Point (PMCC) (°C):</b>	113
<b>Autoignition Temp (°C):</b>	>260
<b>Explosive Properties:</b>	LEL: UN   UEL: UN
<b>Evaporation Rate (Butyl Acetate):</b>	0.02
<b>Partition Coefficient (Log Pow):</b>	UN
<b>Vapour Pressure:</b>	0.6
<b>Density (Kg/dm<sup>3</sup>):</b>	1.32
<b>Percent Volatiles:</b>	15 typ.
<b>Flammability:</b>	Not flammable at ambient temperature
<b>OAR Group:</b>	5
<b>Oxidising Properties:</b>	None
<b>Solubility in Water:</b>	Nil
<b>Vapour Density:</b>	>1.1

# MATERIAL SAFETY DATA SHEET FOR BOSS UNIVERSAL

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Chemically stable under normal conditions. No photoreactive agents
<b>Conditions to Avoid:</b>	Powerful source of ignition and extreme temperatures
<b>Materials to Avoid:</b>	Strong inorganic and organic acids and oxidising agents
<b>Hazardous Decomposition Products:</b>	Burning generates smoke, airborne soot, hydrocarbons and oxides of carbon and nitrogen. Residue mainly comprised of soot and mineral oxides.

## 11. TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	Not know
<b>Irritancy Skin:</b>	Very mild
<b>Allergens:</b>	None known
<b>Skin Sensitisation:</b>	Not known
<b>Subacute/Sub-chronic Toxicity:</b>	Not known
<b>Chronic Toxicity:</b>	None known
<b>Genotoxicity:</b>	None known
<b>EC Class (67/548/EEC):</b>	No
<b>Carcinogen:</b>	NTP: No   IARC: No   OSHA: No
<b>LC-50:</b>	>4000 mg/kg (extrapolated from component Date)
<b>LD-50:</b>	Not applicable

## 12. ECOLOGICAL INFORMATION

<b>Possible Effects:</b>	Unlikely to act as a marine pollutant
<b>Behaviour:</b>	Bioaccumulation potential nil
<b>Environmental Fate:</b>	Nontoxic to marine of land organisms.

## 13. DISPOSAL CONSIDERATIONS

<b>Product Disposal:</b>	Do not incinerate. Contact waste disposal company or local authority for advice
<b>Container Disposal:</b>	See Product Disposal section above

## 14. TRANSPORT INFORMATION

Not classified as hazardous for transport.
--

## 15. REGULATORY INFORMATION

<b>Labelling Information:</b>	X: Irritant
<b>EC Annex 1 Classification:</b>	Not applicable
<b>R Phrases:</b>	R36 Irritating to eyes
<b>S Phrases:</b>	S25 Avoid contact with eyes

## 16. OTHER INFORMATION

### 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.