

MATERIAL SAFETY DATA SHEET FOR BOSS FOAM CLEANING SPRAY



1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product type:	Foam Cleaner
Intended Use:	Foam cleaner is a non-solvent based active cleaner for removing oil/grease/general soiling from hard surfaces. The product "foams" upon contact with the surface to be cleaned thus providing penetration of the contamination. Due to the strong nature of this product it is advised that a trial/test is carried out before general application to the surface to be cleaned.
Trade Name:	BOSS Foam Cleaning Spray
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

Extremely flammable.

3. COMPOSITION/INFORMATION ON INGREDIENTS.

Ingredients:	CAS No.:	EINECS NR.:	Classification:
Butane	106-97-8	203-448-7	Fx, R12
Propane	74-98-6	200-827-9	Fx, R12
Isobutane	75-28-5	200-857-2	Fx, R12
Potassium Silicate	1312-76-1		XI, R38, R41

The full text for all R-Phrases are displayed in Section 16.

4. FIRST AID MEASURES

General:	Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.
Inhalation:	Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering 100% oxygen. Keep the affected person warm and at rest. Get prompt medical attention.
Ingestion:	DO NOT INDUCE VOMITING! Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Get medical attention if any discomfort continues.
Skin Contact:	Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.
Eye Contact:	Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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5. FIRE FIGHTING MEASURES

Extinguishing Media:	Use: Powder, dry chemicals, sand, dolomite etc., water spray, fog or mist
Special Fire Fighting Procedures:	Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours.
Unusual Fire and Explosion Procedures:	Aerosol cans may explode in fires.

6. ACCIDENTAL RELEASE MEASURES

Spill Clean-Up Methods:	Wear necessary protection equipment. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Let evaporate. Keep out of confined spaces because of explosion risk. If leakage cannot be stopped, evacuate area.
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7. HANDLING AND STORAGE:

Usage precautions:	Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.
Storage Precautions:	Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient Name:	CAS No	STD	LT EXP	ST EXP
			(8 hrs)	(15min)
Butane	106-97-8	OES	600 ppm	750 ppm
Propane	74-98-6		Asphyxiating	Asphyxiating
Ingredient Comments:	OES = Occupational Exposure Standard			
It is good industrial practice to wear disposable hand protection and eye protection when using aerosol products. Care must be taken if the product is used in outside/on site locations.				
Ventilation:	Provide adequate general and local exhaust ventilation.			
Respirators:	No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL).			
Protective Gloves:	Protective gloves are advised for industrial use			
Eye Protection:	Use approved safety goggles or face shield for industrial use			
Other Protection:	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact			
Hygienic Work Routines:	DO NOT SMOKE IN WORK AREA. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly wash skin that becomes contaminated. Promptly remove any clothing that becomes contaminated. No eating or drinking while working with this material.			

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Aerosol
Colour:	White
Odour/Taste:	Characteristic
Solubility Description:	Soluble in water
Flammability Limit (Lower %):	0.8
Flammability Limit (Upper %):	9.0

10. STABILITY AND REACTIVITY

Stability:	Normally stable
Conditions to avoid:	Avoid heat, flames and other sources of ignition. Avoid contact with: Strong oxidizing agents. Strong alkalis. Strong mineral acids.
Hazardous Decomposition Products:	Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO ₂)

11. TOXICOLOGICAL INFORMATION

Inhalation:	May cause irritation to the respiratory system. Solvent vapours are hazardous and may cause nausea, sickness and headaches. Prolonged inhalation of high concentrations may damage respiratory system. Irritating to respiratory system.
Ingestion:	May cause discomfort if swallowed. May cause stomach pain or vomiting. Gastrointestinal symptoms, including upset stomach.
Skin Contact:	May cause irritation to the respiratory system. Solvent vapours are hazardous and may cause nausea, sickness and headaches. Prolonged inhalation of high concentrations may damage respiratory system. Irritating to respiratory system.
Eye Contact:	May cause discomfort if swallowed. May cause stomach pain or vomiting. Gastrointestinal symptoms, including upset stomach.
Route of Entry:	Inhalation. Skin and/or eye contact.

12. ECOLOGICAL INFORMATION

Dangerous to the environment if discharged into watercourses.

13. DISPOSAL CONSIDERATIONS

Empty containers must not be burned because of explosion hazard. Dispose of in accordance with Local Authority requirements.
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14. TRANSPORT INFORMATION

Label for Conveyance:	FLAMMABLE GAS
UN No. Road:	1950
UK Road Transport Class:	2.1
UK Road Pack GR:	Not applicable
ADR Class No:	2.1
ADR Class:	Division 2.1: Flammable gases
ADR Item No.:	5F
ADR Marginal:	2201
ADR Label No:	2.1
CEFIC TEC(R) No:	20G53
Proper Shipping Name 1:	AEROSOLS
RID Class No:	2.1
RID Item No:	5F
UN No. Sea	1950
IMDG Class:	2.1
IMDG Pack GR:	Not applicable
EMS No.	2.13
MFAG Table No:	See Guide
Marine Pollutant:	No
UN No. Air:	1950
ICAO Class:	2.1
Air Pack GR:	Not applicable

15. REGULATORY INFORMATION

Label for Supply:	EXTREMELY FLAMMABLE IRRITANT
Risk Phrases:	R12 Extremely Flammable R41 Risk of serious damage to eyes R38 Irritating to skin
Safety Phrases:	S16 Keep away from sources of ignition - No Smoking S2 Keep out of reach of children S23C Do not breathe vapour/spray S51 Use only in well ventilated areas

UK Regulatory references:	The Chemicals (Hazard Information & Packing for Supply) Regulations 2002. The Control of Substances Hazardous to Health Regulations 2002.
Statutory Instruments:	Control of Substances Hazardous to Health Regulations 2002 The Chemicals (Hazard Information & Packing for Supply) Regulations 2002.
Approved Code of Practice:	Classification and Labelling of Substances and Preparations Dangerous for Supply.
Guidance Notes:	Occupational Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. Chip for everyone HSG (108)

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16. OTHER INFORMATION

R Phrases (Full Text):	R38	Irritating to skin
	R41	Risk of serious damage to eyes
	R12	Extremely flammable

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.