

# MATERIAL SAFETY DATA SHEET FOR BOSS FOOD SAFE LUBRICANT



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

<b>Product type:</b>	Food safe lubricant (Non-Mineral Oil)
<b>Intended use:</b>	A non-mineral oil/non-synthetic oil. Derived from Soya Bean. Ideal for general lubrication in all food processing areas. It is safe if ingested, biodegradable and with a very low odour. Superior lubricating qualities over other natural oils, ideal for chains, overhead tracks, oven components, tools, knives and saws. Excellent extreme pressure rating.
<b>Trade Name:</b>	BOSS Food Safe Lubricant
<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>Eye Contact:</b>	Product may cause eye irritation if product comes into physical contact with eyes.
<b>Inhalation:</b>	High levels of vapour/mist may cause dizziness. Can cause irritation of the respiratory tract.

## 3. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS - NON HAZARDOUS INGREDIENTS MAY NOT BE LISTED :

<b>Ingredients:</b>	<b>CAS No.:</b>	<b>HEALTH.:</b>	<b>RISK:</b>	<b>CONTENTS:</b>
<b>Ester of Soya Extract</b>	-	None	None	Balance
<b>Butane</b>	106-97-8	None	None	10-25
<b>Propane</b>	74-98-6	None	None	10-25

## 4. FIRST AID MEASURES

<b>Eye Contact:</b>	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 10 minutes. Get medical attention if any discomfort continues.
<b>Inhalation:</b>	Move the exposed person to fresh air at once. If breathing is irregular or has stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in the recovery position and seek medical advice.
<b>Ingestion:</b>	If accidentally swallowed give milk or water to drink.
<b>Skin Contact:</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. DO NOT use solvents or thinners. If in doubt, seek medical advice.

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## 5. FIRE FIGHTING MEASURES

<b>Extinguishing Media:</b>	Alcohol resistant foam/CO <sub>2</sub> /powder/water spray/mist. DO NOT USE WATER JET.
<b>Special Fire Fighting Procedures:</b>	Fire exposed containers should be sprayed with water to lessen risk of explosion.
<b>Unusual Fire and Explosion Hazards:</b>	Fire will produce dense black smoke containing combustion products which may be a health hazard. Appropriate self-contained breathing apparatus may be required.  RUN OFF FROM FIRE MUST NOT ENTER DRAINS.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Procedures for Leaks or Spillages:</b>	Exclude sources of ignition and ventilate the areas. Exclude non-essential personnel. Avoid breathing vapours. Refer to protective measures listed in Section 7 and 8. Contain and collect spillages with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal in accordance with waste regulations (see Section 13).  DO NOT ALLOW TO ENTER DRAINS OR WATER COURSES.  Clean preferably with a detergent; avoid the use of solvents. If the product enters drains or sewers, the local water company should be contacted immediately: in the case of contamination of streams, rivers or lakes, the National Rivers Authority.
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## 7. HANDLING AND STORAGE:

<b>Handling:</b>	Vapours are heavier than air and may spread along floors. They may form explosive mixtures with air. Prevent with creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational exposure limits. Use only in areas from which all sources of heat, sparks and open flame have been excluded. Avoid inhalation of vapour and spray mist. Smoking, eating and drinking should be prohibited in areas of use and storage. READ DIRECTIONS FOR USE PRINTED ON EACH UNIT OF ISSUE.
<b>Storage precautions:</b>	Store below 50° in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. NO SMOKING. Observe the label precautions. Store separately from strong oxidising agents and strongly alkaline and strongly acidic materials.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>INGREDIENT NAME:</b>	OES/MEL	8 hrs TWA	10 min STEL
<b>Soya Ester</b>	-	-	-
<b>Butane</b>	OES	600ppm	750 ppm
<b>Ingredient Comments:</b>	OES = Occupational Exposure Standard.		

<b>Engineering Measures:</b>	Provide adequate ventilation to maintain the flammable vapour concentration well below the lower explosion limited (LEL) and ensure the airborne concentration of substances to which an OES has been assigned is below that OES (Occupational Exposure Standard).
<b>Respiratory Protection:</b>	Under normal workshop conditions workshop conditions no respiratory equipment is required. Air-fed respiratory equipment should be worn when this product is sprayed if the exposure of the sprayer or other people nearby cannot be controlled to below the occupation exposure limited and engineering controls and measures cannot reasonably be improved.
<b>Hand Protection:</b>	Hand protection is not specified for product use in aerosol form. However, barrier creams may help to protect exposed areas of the skin but are not substitutes for full physical protection. They should not be applied once exposure has occurred.
<b>Eye Protection:</b>	Eye protection is not specified for product use in aerosol form. However, bulk application by spray gun or powered system should be carried out by operators wearing appropriate eye protection.
<b>Skin Protection:</b>	Cotton or cotton/synthetic overalls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Aerosol
<b>Appearance:</b>	Clear Liquid
<b>Odour:</b>	Hydrocarbon
<b>pH:</b>	Not applicable
<b>Flash Point:</b>	-40°C Refers to Butane Propellant
<b>Flammability:</b>	LEL 0.8 (% Vol in Air at 25°C) UEL 9.0
<b>Autoflammability:</b>	240°C Refers to bulk product
<b>Explosive Properties:</b>	None
<b>Oxidising Properties:</b>	None
<b>Can Pressure:</b>	2.41 bar
<b>Relative Density:</b>	0.93 DIN 51 757
<b>VOC Contents:</b>	65g/100ml
<b>Solubility (Water):</b>	Insoluble
<b>Solubility (Solvent):</b>	Soluble in aliphatic hydrocarbons
<b>Pour Point:</b>	- 39°C base Product – DIN 150 3016

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Conditions to Avoid:</b>	Naked flames, red hot surfaces, other high temperature sources that may induce thermal decomposition.
<b>Incompatibility (Materials to Avoid)</b>	Oxidising agents, strong acids, strong alkalis.
<b>Hazardous Decomposition Products:</b>	Carbon Monoxide Smoke, SO <sub>2</sub> / Ch / CO

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## 11. TOXICOLOGICAL INFORMATION

<b>Ingredient:</b>	LD50 (Oral)
<b>Ester of Soya Oil Extract with Additives</b>	2000mg/Kg (Rat)
<p>There is no data available on the specific product itself. Splashes in the eyes may cause irritation and reversible local damage.</p> <p>Butane vapour in high concentrations can cause intoxicification, headache, nausea, and in extreme cases, coma.</p> <p>Inhalation of high concentrations of oil most may produce local irritation of the respiratory tract or systemic effects from absorption into the blood stream.</p>	

## 12. ECOLOGICAL INFORMATION

There is no data available on the product itself.
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## 13. DISPOSAL CONSIDERATIONS

<p>Do not allow into drains or water courses or dispose of where ground or surface waters may be affected.</p> <p>Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulation made under the Control of Pollution Act.</p> <p>Using the information provided in this data sheet, advice should be obtained from the Waste Regulation Authority whether the special waste regulations apply.</p>
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## 14. TRANSPORT INFORMATION

<b>UN NO. Road:</b>	1950
<b>Aerosol:</b>	CLASS 2
<b>Packing Group:</b>	2
<b>IMDG:</b>	9022

## 15. REGULATORY INFORMATION

LABEL FOR SUPPLY: (AEROSOL) CAUTION FLAMMABLE		
<b>Risk Phrases:</b>	None	
<b>Safety Phrases:</b>	S-2 S-23C S-46	Keep out of reach of children Do not breathe vapour/spray If swallowed seek medical advice immediately and show this container or label.

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## **16. OTHER INFORMATION**

The information contained in this data sheet is provided in accordance with the requirements of the Chemical (Hazard Information and Packing) Regulations. It does not constitute the user's own assessment of workplace risks as required by other health and safety legislation. The provisions of the Health and Safety at Work etc., Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work.

The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of the relevant legislation are complied with.

OES/MEL values are obtained from the current issue of EH40 unless indicated this (Sup) when a value has been obtained from the supplier.

### **FURTHER INFORMATION AND ADVICE CAN BE FOUND IN THE FOLLOWING PUBLICATIONS:**

Chip Version 3 - 2002

The Control of Substances Hazardous to Health Regulations 1988 (SI 1988 1657)

Storage of Packaged Dangerous Substances HS(G)71.

The Environmental Protection (Duty of Care) Regulations 1992 (SI 1992 2839).

The Highly Flammable Liquids and Liquefied Petroleum Gases Regulations 1972 (SI 1972 917).

Storage of Flammable Liquids in Containers HS(G)51.

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with legal regulations. The information contained herein is based on the current state of our knowledge and is intended to describe products from the point of view of safety requirements and thus should not be construed as guaranteeing specific properties.

### **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.**