





**MATERIAL SAFETY DATA SHEET FOR  
BOSS AC-90 SPRAY LUBRICANT – ALL SIZES**

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

<b>Product type:</b>	Multipurpose Lubricant
<b>Intended Use:</b>	Cleaner, Lubricant, Anti –Rust fluid, Displaces Moisture, Removes sticky deposits, removes rust marks.
<b>Trade Name:</b>	BOSS AC-90 Multipurpose Lubricant.
<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>	reception@bssgroup.com
<b>Web site Address</b>	www.bssindustrial.co.uk

**2. HAZARD IDENTIFICATION**

Classification of the substance or mixture		
Regulation (EC) No. 1272/2008 (CLP)	Aerosol 1; Extremely flammable aerosol. Pressurised container: May burst if heated. STOT SE 3; May cause drowsiness or dizziness. Aquatic Chronic 3; Harmful to aquatic life with long lasting effects. Repeated exposure may cause skin dryness or cracking.	
Label elements According to Regulation (EC) No. 1272/2008 (CLP)		
Product Name	BOSS AC-90 Multipurpose Lubricant	
Hazard pictogram(s)	 GHS02	 GHS07
Signal word(s)	Danger	
Hazard statement(s)	H222: Extremely flammable aerosol. H229: Pressurised container: May burst if heated. H336: May cause drowsiness or dizziness. H412: Harmful to aquatic life with long lasting effects. EUH066: Repeated exposure may cause skin dryness or cracking.	



## **2. HAZARD IDENTIFICATION (cont.)**

<b>Precautionary statement(s)</b>	P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211: Do not spray on an open flame or other ignition source. P251: Do not pierce or burn, even after use. P261: Avoid breathing vapours. P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
<b>Additional Information</b>	Keep out of reach of children.
<b>Other hazards</b>	None.
<b>Additional Information</b>	For full text of H/P phrases see section 16. Gloves advised as general industrial good practice.

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

<b>Product as supplied: Aerosol.</b>					
<b>Hazardous ingredient(s)</b>	<b>%W/W</b>	<b>CAS No.</b>	<b>EC No.</b>	<b>REACH Registration No.</b>	<b>Hazard pictogram(s) and Hazard statement(s)</b>
<b>Naphtha (petroleum), hydrotreated heavy</b>	50 - 75	64742-48-9	265-150-3	None assigned	GHS02, Flam. Liq. 3; H226, GHS07, STOT SE 3; H336, GHS08, Asp. Tox. 1; H304, Aquatic Chronic 3; H412, EUH066
<b>Butane</b>	10 - 25	106-97-8	203-447-8	None assigned	GHS02, Flam. Gas 1; H220, GHS04, Press. Gas: Liquefied gas; H280
<b>Isobutane</b>	10 - 25	75-28-5	200-857-2	None assigned	GHS02, Flam. Gas 1; H220, GHS04, Press. Gas: Liquefied gas; H280

### **3.2 Additional Information**

For full text of H/P phrases see section 16.



#### **4. FIRST AID MEASURES**

<b>Inhalation:</b>	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
<b>Skin Contact:</b>	Wash affected skin with soap and water. Remove any contaminated clothing, do not keep cloths contaminated with this product in overall pockets or next to skin.
<b>Eye Contact:</b>	Hold eye open and rinse slowly and gently with water for 15-20 minutes. If symptoms persist, obtain medical attention.
<b>Ingestion:</b>	Unlikely route of exposure. Wash out mouth with water. Do not induce vomiting. Risk of aspiration.

<b>Most important symptoms and effects, both acute and delayed</b>	Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.
<b>Indication of any immediate medical attention and special treatment needed</b>	Unlikely to be required but if necessary treat symptomatically.

#### **5. FIRE FIGHTING MEASURES**

<b>Extinguishing Media</b>	
<b>Suitable Extinguishing Media</b>	Extinguish preferably with dry chemical, sand or carbon dioxide.
<b>Unsuitable Extinguishing Media</b>	Water jet spray.
<b>Special hazards arising from the substance or mixture</b>	Heating may cause pressure rise with risk of bursting.
<b>Advice for fire-fighters</b>	Fire fighters should wear complete protective clothing including self-contained breathing apparatus. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions. Keep fire exposed containers cool by spraying with water.

#### **6. ACCIDENTAL RELEASE MEASURES**

The product is an aerosol. It is unlikely to present spillage or leakage hazard. In case of rupture, released content should be contained as any other solvent spill.	
<b>Personal precautions, protective equipment and emergency procedures</b>	Eliminate sources of ignition. Ensure adequate ventilation. Stop leak if safe to do so. Avoid breathing vapours. Wear protective gloves.
<b>Environmental precautions</b>	Do not allow to enter drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.
<b>Methods and material for containment and cleaning up</b>	Place leaking cans in a bucket or pail to minimise product contamination of surfaces. Collect spillage. Absorb remaining liquid in sand or inert absorbent and remove to safe place. Transfer to a container for disposal. Do NOT wash away into sewer. Containers must not be punctured or destroyed by burning, even when empty.
<b>Reference to other sections</b>	See Also Section 8, 13.






## 7. HANDLING AND STORAGE:

<b>Precautions for safe handling</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from: Electrostatic charge. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Do not let the can touch battery terminals, electrical connectors or any source of electricity. Use product in a well-ventilated area only. Ensure adequate ventilation. Avoid breathing vapours. Avoid prolonged skin contact. Wear protective gloves.
<b>Conditions for safe storage, including any incompatibilities</b>	Protect from sunlight. Store in a well-ventilated place. Industrial product for professional use. Locked storage does not apply to this product.
<b>Storage Temperature</b>	Do not expose to temperatures exceeding 50°C/ 122°F.
<b>Storage Life</b>	Stable under normal conditions.
<b>Incompatible materials</b>	Oxidizing agents, Reducing agent.
<b>Specific end use(s)</b>	Cleaner, Lubricant, Anti –Rust fluid, Displaces Moisture, Removes sticky deposits, removes rust marks.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters Occupational Exposure Limits						
SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
Butane	106-97-8	600	1450	750	1810	WEL

WEL: Workplace Exposure Limit (UK HSE EH40)

<b>Biological limit value</b>	Not established.
<b>PNECs and DNELs</b>	Not established.
<b>Exposure controls</b>	
<b>Appropriate engineering controls</b>	Provide adequate ventilation.
<b>Personal protection equipment</b>	Not normally required, but eye protection advised as good practice for Industrial users. Take care to always spray away from your face
<b>Eye/face protection</b> 	Not normally required.
<b>Skin protection (Hand protection/Other)</b> 	Not normally required. Wear suitable gloves if prolonged skin contact is likely.
<b>Respiratory protection</b> 	In case of insufficient ventilation, wear suitable respiratory equipment. A suitable mask with filter type A (EN14387 or EN405) may be appropriate.
<b>Thermal hazards</b>	Not applicable.
<b>Environmental Exposure Controls</b>	Avoid release to the environment.



## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Information on basic physical and chemical	
<b>Appearance</b>	Aerosol.
<b>Colour</b>	Pale brown.
<b>Odour</b>	Characteristic.
<b>Odour Threshold</b>	Not available.
<b>pH</b>	Not applicable.
<b>Melting Point/Freezing Point</b>	Not available.
<b>Initial boiling point and boiling range</b>	Not available.
<b>Flash point</b>	Not applicable (Aerosol spray can)
<b>Evaporation rate</b>	43°C (Refers to product before aerosol packing)
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	Aerosol 1; Extremely flammable aerosol.
<b>Vapour pressure</b>	0.6 – 8.5 Vol-%
<b>Vapour density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Partition coefficient: n-octanol /water</b>	Not available.
<b>Auto-ignition temperature</b>	The product is not self-igniting.
<b>Ignition temperature</b>	240°C
<b>Decomposition Temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Explosive properties</b>	Pressurised container: May burst if heated.
<b>Oxidising properties</b>	Not oxidising.
<b>Other information</b>	None.

## **10. STABILITY AND REACTIVITY**

<b>Reactivity</b>	Stable under normal conditions.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Reacts violently with - Strong oxidising agents
<b>Conditions to avoid</b>	Heat and direct sunlight. Do not mix with other chemicals.
<b>Incompatible materials</b>	Oxidizing agent, Reducing agent
<b>Hazardous Decomposition Product(s)</b>	This product may give rise to hazardous fumes in a fire



## **11. TOXICOLOGICAL INFORMATION**

<b>Information on toxicological effects</b>	
<b>Mixtures</b>	
<b>Acute toxicity</b>	
<b>Inhalation</b>	STOT SE 3; May cause drowsiness or dizziness.
<b>Irritation</b>	Repeated exposure may cause skin dryness or cracking.
<b>Corrosivity</b>	Not classified.
<b>Sensitisation</b>	It is not a skin sensitiser.
<b>Repeated dose toxicity</b>	None anticipated.
<b>Carcinogenicity</b>	No evidence of carcinogenicity. No components are listed as a carcinogens or suspected carcinogens.
<b>Mutagenicity</b>	There is no evidence of mutagenic potential.
<b>Toxicity for reproduction</b>	None anticipated.
<b>Other information</b>	None.

## **12. ECOLOGICAL INFORMATION**

<b>Toxicity</b>	Aquatic Chronic 3; Harmful to aquatic life with long lasting effects.
<b>Persistence and degradability</b>	This product is readily biodegradable in soil.
<b>Bioaccumulative potential</b>	No information available.
<b>Mobility in soil</b>	The product is predicted to have low mobility in soil.
<b>Results of PBT and vPvB assessment</b>	Not classified as PBT or vPvB.
<b>Other adverse effects</b>	None.

## **13. DISPOSAL CONSIDERATIONS**

<b>Waste treatment methods</b>	Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Non-emptied aerosol: Dispose of wastes in an approved waste disposal facility.
<b>Additional Information</b>	Disposal should be in accordance with local, state or national legislation. Do not allow into any sewer on the ground, or into any body of water.



#### **14. TRANSPORT INFORMATION**

<b>UN number</b>	UN 1950
<b>UN proper shipping name</b>	Limited quantity provisions and exceptions apply to aerosol products in transit.
<b>ADR/RID/ADN/IMDG</b>	AEROSOLS.
<b>ICAO/IATA</b>	AEROSOLS, FLAMMABLE.
<b>Transport hazard class(es)</b>	
<b>ADR/RID/ADN</b>	2
<b>IMDG/ICAO/IATA</b>	2.1
<b>Packing Group</b>	None.
<b>Environmental hazards</b>	Not classified as a Marine Pollutant.
<b>Special precautions for user</b>	None.
<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
<b>Additional Information</b>	
<b>IMDG Code</b>	EmS: F-D, S-U
<b>Tunnel Restriction Code</b>	D

#### **15. REGULATORY INFORMATION**

<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
<b>EU regulations</b>	
<b>Authorisations and/or restrictions on use</b>	
Candidate List of Substances of Very High Concern for Authorisation	All chemicals are not listed.
REACH: ANNEX XIV LIST OF SUBSTANCES SUBJECT TO AUTHORISATION	All chemicals are not listed.
REACH: ANNEX XVII RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES	All chemicals are not listed.
Community Rolling Action Plan (CoRAP); Draft 04/11/2013	All chemicals are not listed.
<b>National regulations</b>	None known.
<b>Chemical Safety Assessment</b>	Not available.

## 16. OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

List contains all hazards, precautions and hazard pictograms may/may not be applicable to this product.

### LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative
Aerosol 1	Aerosol Category 1
Asp. Tox. 1	Aspiration hazard Category 1
Flam. Gas 1	Flammable gas Category 1
Flam. Liq. 3	Flammable Liquid Category 3
STOT SE 3	Specific target organ toxicity — single exposure Category 3
Aquatic Chronic 3	Hazardous to the aquatic environment Category 3
Press. Gas	Gases under pressure

### Hazard statement(s) and Precautionary statement(s)

H220	Extremely flammable gas.
H226	Flammable liquid and vapour.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.
P273	Avoid release to the environment.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor if you feel unwell.

### Hazard pictogram(s) and Hazard Symbol



GHS02



GHS04



GHS07



GHS08



## **16. OTHER INFORMATION (cont.)**

### **DISCLAIMER**

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose.

We give no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. We accept no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.

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