

# MATERIAL SAFETY DATA SHEET FOR BOSS NON SOLUBLE CUTTING OIL



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

<b>Product type:</b>	Neat Cutting Oil
<b>Trade Name:</b>	BOSS Non Soluble Cutting Oil
<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. COMPOSITION/INFORMATION ON INGREDIENTS.

<b>Chemical Characterization:</b>	A blend of highly refined mineral oils, extreme pressure additives and vegetable oil esters
<b>Dangerous Components:</b>	None
<b>Additional Information:</b>	For the wording of the listed risk phrases refer to section 16

## 3. HAZARD IDENTIFICATION

<b>Hazard Designation:</b>	Not classified as Hazardous under CHIP regulations
<b>Information Pertaining to Particulars for Man and Environment:</b>	Not applicable
<b>Classification System:</b>	The health and environment hazard of this preparation have been assessed by the conventional method described in annex II and III of the preparations Directive 1999/45 EC

## 4. FIRST AID MEASURES

<b>Eye Contact:</b>	Flush with plenty of clean water for at least 15 minutes. If irritation persists obtain medical attention.
<b>Skin Contact:</b>	Wash off with soap water. The application of skin reconditioning cream can be beneficial.
<b>Inhalation:</b>	Remove to fresh air. Keep warm, seek medical advice.
<b>Ingestion:</b>	Milk or water to drink may be beneficial. Do not induce vomiting without medical advice

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## 5. FIRE FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Foam, Dry Powder, CO <sub>2</sub> , Halon, fine water spray suitable
<b>Unsuitable Extinguishing Media for Reasons of Safety:</b>	None
<b>Special Hazards caused by the material, its products of combustion or flue gases:</b>	Not classed as flammable but inherently combustible. May emit noxious fumes in a fire.
<b>Protective Equipment:</b>	Standard protective equipment. Fire fighters should enter area wearing breathing apparatus

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal safety precautions:</b>	Wear protective equipment. Keep unprotected persons away. Use protective clothing, chemical eye goggles and PVC or rubber gloves.
<b>Measures for environmental protection:</b>	Inform authorities in case of contamination of water or sewage system. Do not allow product to soak into drains or water courses.
<b>Methods for cleaning/collecting:</b>	Soak liquid in absorbent material and collect solids in a container. Wash down floor area as spillages can be slippery. Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent.

## 7. HANDLING AND STORAGE:

<b>Handling:</b>	Avoid contact with skin and eyes. Observe good standards of industrial hygiene.
<b>Information for safe handling:</b>	Keep in tightly closed containers. Take note of emission threshold.
<b>Storage:</b>	
<b>Requirements to be met by storerooms and containers:</b>	Store between 10-35°C. Store in mild steel, stainless steel or polyethylene.
<b>Information about storage in a common storage facility:</b>	Do not store in extremes of temperature or near foodstuffs.
<b>Specific Uses:</b>	To be used as metal cutting oil and lubricant.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Occupational exposure controls:</b>	
<b>Respiratory Protection:</b>	Unlikely to be necessary unless operations generate vapour, mist or fumes where the exposure cannot be controlled by local ventilation measures.
<b>Eye:</b>	Chemical eye goggles should be worn.
<b>Hand:</b>	PVC or rubber gloves are recommended.
<b>Skin Protection:</b>	Use protective clothing. Remove contaminated clothing and wash with soap and water.
<b>Environmental exposure controls:</b>	Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear Brown Fluid
<b>Odour:</b>	Bland
<b>Flash Point:</b>	>100°C
<b>Vapour Pressure:</b>	Water=18mm Hg
<b>Water Solubility:</b>	Insoluble
<b>Specific Gravity @ 20°C:</b>	0.910 typical
<b>Freezing Point:</b>	<0°C

## 10. STABILITY AND REACTIVITY

<b>Conditions to Avoid:</b>	Naked flames, hot surfaces, other high temperature sources.
<b>Materials to Avoid:</b>	Strong oxidising agents
<b>Hazardous Decomposition:</b>	Oxides of carbon, water vapour and unidentified compounds, some of which could be toxic may be evolved. Product is stable under normal conditions.

## 11. TOXICOLOGICAL INFORMATION

<b>Eye Contact:</b>	Product is not classified as an eye irritant. Contact with the product is likely to cause irritation and stinging.
<b>Skin Contact:</b>	Product is not classified as a skin irritant. Brief or occasional contact is unlikely to cause any significant reaction. Prolonged or repeated contact with the product may lead to de-fatting of the skin, slight irritation or dermatitis.
<b>Inhalation:</b>	Unlikely to present any significant hazard at ambient temperature. Excessive exposure to mists caused by atomising systems may cause irritation to eyes and respiratory tract.
<b>Ingestion:</b>	Low order of acute toxicity. Ingestion of this product is not regarded as a significant health hazard, likely to arise in normal use. Swallowing of significant quantities may cause vomiting and diarrhoea.

## 12. ECOLOGICAL INFORMATION

<b>Eco-toxicity:</b>	There is no data available on the product itself. Should be considered harmful to the aquatic environment.
<b>Mobility:</b>	The product should not be allowed to enter drains or watercourses or be deposited where it can affect ground or surface waters. Avoid transfer into the environment.
<b>Persistence and Degradability:</b>	The components of the product exhibit good to moderate biodegradability and readily broken down by sewage treatment plants.
<b>Bio-accumulative Potential:</b>	Not expected to bio-accumulate.

## 13. DISPOSAL CONSIDERATIONS

<p>Product should be disposed of via an authorised waste disposal contractor in accordance with all local and national regulations.</p> <p>Wash out containers with water, running the washings to sewage treatment plant system. Dispose of empty containers in accordance with local and national regulations.</p> <p>Advice can be obtained from the Waste Regulation Authority whether special waste regulations apply to this product.</p>
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## 14. TRANSPORT INFORMATION

Product is not classified as hazardous for transport.
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## 15. REGULATORY INFORMATION

<b>Designation according to EC guidelines:</b> The product has been classified and labeled in accordance with EC Directives / Ordinance on Hazardous Materials (CHIP).	
<b>Risk Phrases:</b>	None
<b>Safety Phrases:</b>	S2: Keep out of reach of children S24/25: Avoid contact with eyes and skin S37: Wear suitable gloves
<b>National Regulations:</b>  <b>Regulations which may apply in event of accident:</b> <b>Control of Major Accident Hazards (COMAH)</b> Critical quantity values according to the regulations on accidents should be adhered to.	

## 16. OTHER INFORMATION

<p>Do not mix with other chemicals. The information provided in this data sheet has been compiled in accordance with the requirements of the Chemicals (Hazard information and packaging) Regulations 2002 (CHIP 3). This data sheet does not constitute an assessment of the workplace risks as required under the provisions of the Health &amp; Safety at Work act and the Control of Substances Hazardous to Health (COSHH).</p> <p><b>R - Phrases relevant to the products hazardous ingredients:</b></p> <p><b>Training Advice:</b> Users should be trained in good industrial hygiene practise.</p>
<p><b><u>DISCLAIMER</u></b></p> <p><b>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.</b></p>