

BOSS LUBRICANTS: MATERIAL SAFETY DATA SHEET

Section 1 – Company Identification

Date Prepared: 01/01/2012
BOSS Lubricants
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Section 2 – Product Description

Product Name: BOSS Blue Ram EP 1.5 Grease
Chemical Formulation: Complex lubricant
Material Use: Grease lubrication

Section 3 – Composition / Hazards Identification

Hazardous Ingredients	Over-Based Calcium Sulfonate	Chloro Alkanes
%	70-90	5-30
T.L.V.	Not Applicable	Not Applicable
C.A.S. #	Not Applicable	61788-76-9
LD/50 Route, Species	Not Available	7 g/kg RAT. Oral
LC/50 Route, Species	Not Available	Not Applicable

Section 4 – First Aid Measures

Skin Contact	Wash affected area, remove contaminated clothing. If irritation persists, consult a doctor
Eye Contact	Flush eyes with large quantities of water for at least 15 minutes; get medical attention.
Inhalation	Remove victim to fresh air. If victim is not breathing, begin artificial respiration immediately. Get immediate medical attention.
Ingestion	Dilute with large quantities of water. Do not induce vomiting. Get immediate medical attention.

Section 5 – Fire Fighting Measures

Flammability	Not Applicable
If Yes, Under Which Conditions?	Not Applicable
Means of Extinction	Water Fog, Carbon Dioxide, Dry Chemical, Foam
Special Procedures	Keep Storage containers cool in fire vicinity. Firefighters should wear self-contained breathing apparatus and protective clothing.
Flash Point °C (°F)	> 235°C (455°F) Closed Cup
Auto Ignition Temperature	Not Available
Upper Explosion Limit	Not Applicable
Lower Explosion Limit	Not Applicable
Hazardous Combustion Products	Oxides of Carbon
Sensitivity to Static Discharge	No
Sensitivity to Impact	No, not under normal handling conditions

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Section 6 – Accidental Release Measures

Leak/Spill.....Small Spills: Stop flow, contain material, collect in proper containers. Remove all sources of ignition. Provide adequate ventilation.

Section 7 – Handling and Storage

Handling Procedures & Equipment Handle an open container with care.
Handle away from all sources of ignition. Avoid smoking.
Keep container closed.

Storage Needs Keep away from heat and flame.
Keep away from freezing.
Store at room temperature in well ventilated area.

Section 8 – Exposure Controls/Personal Protection

Protective Equipment

Gloves/Type	Wear neoprene gloves if direct contact is likely.
Respiratory/Type	Wearing of niosh mask approved for organic vapours or (SCBA), If appropriate
Eye/Type	Splash-proof safety goggles
Footwear/Type	Safety boots per local requirements
Clothing/Type	Wear adequate protective clothes
Other/Type	Emergency shower and eye wash station should be in close proximity to work area.
Engineering Controls	Local exhaust at points of emission.

Section 9 – Physical and Chemical Properties

Physical State	Paste	Evaporation Rate	Not Available
Odor/Appearance	Pleasant Odor/Rich, Glossy Blue	Freezing Point	Not Available
Odor Threshold	Not Available	Specific Gravity	1.0
Vapor Density (Air=1)	Not Available	ph	Not Applicable
Vapor Pressure	< 5mm Hg	Boiling Point	Not Available
Insoluble		Solublility in Water (20°C)	
Volatiles: % by Volume	0.0 %	Coefficient Water/Oil Dist.	Not Applicable
% by Weight	0.0 %		

Section 10 – Stability and Reactivity

Chemical Stability:
Yes Product is stable; Hazardous Polymerization will not occur.

Compatibility with other substances: Yes
No, which products? Strong Oxidizers and reducing agent.

Reactivity, what conditions? Excessive heat, Strong oxidizers, acids and bases

Hazardous Products of Decomposition Oxides of carbon.

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Section 11 – Toxicological Information

Route of entry:

Skin Contact	Possible Irritation
Skin Absorption	Low Order of Toxicity
Eye Contact	Irritation
Inhalation	Vapours may cause respiratory tract irritation, nausea, headache and dizziness.
Ingestion	May cause nausea, vomiting, diarrhea, central nervous system depression.
Effects of Chronic Exposure	Conjunctivitis, tracheitis, dermatitis, narcosis.
Effects of Acute Exposure	No evidence of adverse effects
LD/50 of Material, Species & Route	See Sections 3
LC/50 of Material, Species & Route	See Sections 3
Exposure Limit of Material	See Sections 3
Carcinogenicity of Material	None known
Reproductive Effects	None known
Mutagenicity	None known
Synergistic Materials	None known

Section 12 – Ecological Information

Leak/Spill.....Large Spills: Prevent run-off into drains, sewers and waterways. Wear protective equipment to protect against hazards & dispose as per approved local waste disposal method. Follow instructions for small spills.

Section 13 – Disposal Considerations

Waste Disposal, Method,& Equipment In accordance with municipal, provincial and federal regulations.

Section 14 – transport Information

T.D.G. Classification Not regulated

Section 15 – Regulatory Information

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

Section 16 – Other Information

WHMIS Not controlled

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SUPPLIER: BOSS Lubricants
MSDS PREPARED BY: TECHNICAL SERVICES – BOSS Lubricants

The information contained on this MSDS is to the best of our knowledge an accurate summary of the data available as of the date of preparation. BOSS Lubricants is not liable for the application or use of this information in situations beyond its control or outside the normal and accepted use of its product. BOSS Lubricants assumes no responsibility for damage or injury from the use for the product described herein.

Date Prepared: March 1, 2009

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