

## Section 1: Product Information

Supplier: BOSS Lubricants  
112, 6303 30 Street SE  
Calgary, Alberta T2C 1R4  
Telephone Number: 1-800-844-9457  
EMERGENCY TELEPHONE NUMBER: CANUTEC: (613) 996-6666

WHMIS (Classification): Non-WHMIS Regulated  
TDG (Classification): N/A

Product Name: BOSS RED BULLDOG CLEANER  
Synonym: N/A Material Uses: N/A  
Chemical Name: N/A CAS #: N/A  
Chemical Family: N/A DAL: N/A  
Chemical Formula: N/A CI#: N/A

## Section 2: Hazardous Ingredients

<u>Chemical Identity</u>	<u>Percent</u>	<u>CAS Number</u>	<u>LC50/LD50</u>
1: Sodium Metasilicate	% 1: 10-20	#1: 006834920	ORAL (LD50): Acute: 622 Mg/Kg (Rat) 770 Mg/Kg (Mouse)
2: Nonoxynol 9	% 2: 0-5	#2: 9016-45-9	ORAL (LD50): Acute: 2590 Mg/Kg (Rat)
3: Sodium Laureth Sulphate	% 3: 10-20	#3: mixture	ORAL (LD50): Acute: 7060 Mg/Kg (Rat) 3450 Mg/Kg (Mouse) 6300 Mg/Kg (Rabbit) VAPOR (LC50): Acute: 8000ppm (4 Hrs.) (Rat)
4: Sodium Myritheth Sulfate	% 4: 5-20	#4: 1191-50-0	ORAL (LD50): Acute: >4950 Mg/Kg (Rat)

## Section 3: Hazards Identification

Potential Acute Health Effects:

Hazardous in case of eye contact (irritant).

Hazardous in case of skin contact (irritant).  
Hazardous in case of ingestion.  
Hazardous in case of inhalation, no known effect.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: N/A  
MUTAGENIC EFFECTS: N/A  
TERATOGENIC EFFECTS: N/A  
DEVELOPMENTAL TOXICITY: N/A

Section 4: First Aid Measures

Eye Contact: Check for and remove any contact lenses.  
IMMEDIATELY flush eyes with running water for at least 5 minutes, keeping eyelids open. COLD water may be used. DO NOT use an eye ointment. Seek medical attention.

Skin Contact: After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly, careful to clean folds, crevices, creases and groin. COLD water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Hazardous Skin Contact: Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation: Allow the victim to rest in a well-ventilated area. If irritation persists, seek medical attention.

Hazardous Inhalation: N/A

Ingestion: DO NOT induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Hazardous Ingestion: No additional information

Section 5: Fire and Explosion Data

The product is: Non-Flammable  
Auto-Ignition Temperature: N/A  
Flash Points: N/A  
Flammable Limits: N/A  
Products of Combustion: N/A  
Fire Hazards in Presence of Various Substances: N/A

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: N/A  
Risks of explosion of the product in presence of static discharge: N/A

Fire Fighting Media and Instructions:

SMALL FIRE: N/A  
LARGE FIRE: N/A

Section 6: Accidental Release Measures

Small Spill: Dilute with water and mop up, or absorb with an inert DRY material and place in an appropriate waste disposal container.  
Large Spill: Keep away from heat. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. DO NOT touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Be careful that the product is not present at a concentration level above TLV. Check the TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions: Keep away from heat. DO NOT ingest. DO NOT breathe gas, fumes vapor or spray. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents.  
Storage: Keep away from heat. Keep container tightly closed. Keep in a cool well-ventilated place. Ground all equipment containing material.

Section 8: Exposure Controls/Personal Protection

Engineering Controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work station location.  
Personal Protection: Splash goggles, Lab coat, Vapor respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent. Gloves. Wear appropriate respirator when ventilation is inadequate.  
Personal Protection in Case Of a Large Spill: Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.  
Exposure Limits: N/A

Section 9: Physical and Chemical Properties

Physical State and Appearance: Dark Red Liquid  
Molecular Weight: N/A

PH	12
Boiling Point:	100 °C
Odor:	None
Taste:	N/A
Color:	Dark Red
Melting Point:	N/A
Critical Temperature:	N/A
Specific Gravity:	1.05
Vapor Pressure:	N/A
Vapor Density:	N/A
Volatility:	N/A
Odor Threshold:	N/A
Evaporation Rate:	N/A
Viscosity:	N/A
Water/Oil Dist. Coeff.:	N/A
Ionicity (in water):	N/A
Dispersion Properties:	N/A
Freezing Point:	-5 °C

#### Section 10: Stability and Reactivity Data

Stability:	The product is stable
Instability Temperature:	N/A
Conditions of Instability:	No additional remark.
Incompatibility with various substances:	Reactive with oxidizing agents.
Corrosively:	N/A
Special Remarks on Reactivity:	No additional remark.
Special Remarks on Corrosively:	No additional remark.
Hazardous Polymerization:	N/A

#### Section 11: Toxicological Information

Routes of Entry: Eye contact, Inhalation, Ingestion  
 Toxicity to Animals: **WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4 HOUR EXPOSURE.**

ORAL (LD50) Acute:	VAPOR (LC50) Acute:
3450 Mg/Kg. (Mouse)	8000 ppm 4 Hrs. (Rat)

Chronic Effects on Humans:

CARCINOGENIC EFFECTS:	N/A
MUTAGENIC EFFECTS:	N/A
TERATOGENIC EFFECTS:	N/A
DEVELOPMENTAL TOXICITY:	N/A

Other Toxic Effects on Humans:

Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: No additional remark.  
Special Remarks on Chronic Effects on Humans: Passes through the placenta, excreted in maternal milk.

#### Section 12: Ecological Information

Ecotoxicity: N/A  
BOD5 AND COD: N/A  
Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.  
Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

#### Section 13: Disposal Considerations

Waste Disposal: Recycle, if possible. Consult your local or regional authorities.

#### Section 14: Transport Information

TDG Classification: N/A  
Shipping Name: N/A  
PIN: N/A  
Packing Group: N/A  
Special Provisions for Transport: No additional remark

#### Section 15: Other Regulatory Information

Other Regulations: AGRICULTURE CANADA AND AGRI-FOOD CANADA  
APPROVAL FILE No. 3100-3/P164

#### Section 16: Preparation Information

Prepared By: BOSS Lubricants  
Telephone: 1-800-844-9457  
Date: January 1st, 2012

#### Section 17: Other Information

##### Notice to Reader:

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards

that exist.