

BOSS LUBRICANTS: MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

EFFECTIVE DATE: January 1, 2012
PRODUCT: ONE SHOT GAS TREATMENT
PRODUCT USE: GASOLINE FUEL ADDITIVE TREATMENT

MANUFACTURER

TELEPHONE NUMBERS

BOSS LUBRICANTS
112, 6303-30TH Street SE
Calgary, AB CANADA
T2C 1R4

BOSS EMERGENCY NUMBER 1-800-844-9457
CANUTTEC 24 HOUR EMERGENCY 613-996-6666

This MSDS was prepared by the Toxicology and Material Safety Section of BOSS LUBRICANTS.

Product Trade Name	One Shot Gas Treatment
Product Use	Gasoline Fuel Treatment
Transportation Emergency Phone No.	CANUTTEC 613-996-666
WHMIS Hazard Class	Not a controlled product

2.COMPOSITION/ INFORMATION ON INGREDIENTS

Hazardous Ingredients This material contains no ingredients requiring disclosure under regulatory hazard criteria for this jurisdiction. See Section 11 for additional details.

3. HAZARDOUS IDENTIFICATION

Principal Hazards Caution.
8 May cause eye irritation.
9 May cause respiratory tract irritation.

4. FIRST AID MEASURES

Ingestion DO NOT INDUCE VOMITING. If conscious, give 1 glass of water. Get immediate medical attention. If vomiting occurs naturally, the casualty should lean forward to reduce the risk of aspiration.

Eyes Flush with water at least 15 minutes. Get medical attention if eye irritation develops or persists.

Skin Wash with soap and water. Get medical attention if irritation develops. Launder contaminated clothing before reuse.

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Inhalation Remove exposed person to fresh air if adverse effects are observed. If breathing is labored, administer oxygen. If breathing has stopped, apply artificial respiration. If irritation persists or if toxic symptoms are observed, get medical attention.

Additional Information Note to Physician: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flash Point 180 Deg, 356 Deg F PMCC (Typical)

Extinguishing Media CO₂, dry chemical, or foam. Water can be used to cool and protect exposed material.

Firefighting Procedures Wear full protective firegear including self-containing breathing apparatus operated in the positive pressure mode with full face piece, coat, pants, gloves and boots. Water may cause splattering.

Unusual Fire & Explosion Hazards Toxic fumes, gases or vapors may evolve on burning.

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures Personal Protective Equipment must be worn, see Personal Protective Section for PPE recommendations. Ventilate area if spilled in confined space or other poorly ventilated areas. Prevent entry into sewers and waterways. Pick up free liquid for recycle and/ or disposal. Residual liquid can be absorbed on inert material. Check under Transportation and Labeling (DOT/CERCLA) to determine regulatory reporting requirements for spills.

7. HANDLING AND STORAGE

Pumping Temperature Not available.

Maximum Handling Temperature Not available.

Handling Procedures Keep containers closed when not in use. Do not discharge into drains or the environment, dispose to an authorized waste collection point. Use appropriate containment to avoid environmental contamination. Wash thoroughly after handling. Empty containers retain material residue. Do not cut, weld, braze, solder, drill, grind or expose containers to heat, flame, spark or other sources of ignition.

Maximum Storage Temperature Not available

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Storage Procedures	Equip bulk storage tanks with overfill protection such as high level alarms or secondary containment. Store drums in area with secondary containment. Storage area should be covered to prevent rainwater from entering.
Loading Temperature	Not available.

8. Exposure Controls/ Personal Protection

Other Exposure Limits	See Hazardous Ingredients Section for any applicable exposure limits for components.
Ventilation Procedures	Use local exhaust ventilation to control mists or vapors. Additional ventilation or exhaust may be requires to maintain air concentrations below recommended exposure limits.
Gloves Procedures	Use nitrile or neoprene gloves.
Eye Protection	Safety glasses. If potential for splash or mist exists, wear chemical goggles or face shield.
Respiratory Protection	Under normal use conditions, respirator is not usually required. Use disposable dust/mist mask if the recommended exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites.
Clothing Recommendation	Long sleeve shirt id recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Flash Point	180 Deg C, 356 Deg F PMCC (Typical)
Explosion Data	Material does not have explosive properties.
Specific Gravity	0.96 (15.6 Deg C)
Water Soluble	Insoluble
Percent Volatile	Unknown
Odor	Ammonia
Appearance	Clear light liquid
Viscosity	170 Centistokes (40 Deg C) 22 Centistokes (100 Deg C)
Odor Threshold	Unknown

The above data ate typical values and do not constitute a specification .

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10. STABILITY AND REACTIVITY

Stability Material is normally stable at moderately elevated temperatures and pressures.

Decomposition Temperature Not available

Incompatibility Strong acids. Strong oxidizing agents.

Polymerization Will not occur.

Thermal Decomposition Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion. Ammonia may be formed on burning in limited air supply. Propylamine, polyalylglycols, and aliphatic alcohols may also be released.

11. TOXICOLOGICAL INFORMATION

Oral Toxicity The LD50 in rats is >5000 mg/kg. Based on data from components or similar materials. Swallowing this material causes severe irritation of the mouth, esophagus and stomach.

Eye Irritation May cause eye irritation. Does not meet Canadian D2B or EU R36 criteria. Based on actual data.

Skin Irritation Not expected to be a primary skin irritant. Based on actual data.

Dermal Toxicity The LD50 in rabbits is >2000 mg/kg. Based on data components or similar materials.

Inhalation Toxicity No data available to indicate product or components may be a toxic inhalation hazard.

Respiratory Irritation May cause nose, throat, and lung irritation. Based on data from similar materials.

Dermal Sensitization Not expected to cause skin sensitization. Based on data from similar materials.

Inhalation Sensitization No data available to indicate product or components may be respiratory sensitizers.

12. ECOLOGICAL INFORMATION

Freshwater Fish Toxicity The acute LC50 is 1-10 mg/L based on actual data

Freshwater Invertebrates Toxicity Not available

Algal Inhibition The acute EC50 is 10-100 mg/L based on actual data

Saltwater Fish Toxicity Not available

Saltwater Invertebrates Toxicity Not available

Bacteria Toxicity Not available

Miscellaneous Toxicity Not available

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13. DISPOSAL CONSIDERATION

Waste Disposal This material, if discarded, is not a hazardous waste under RCRA regulation 40 CFR 261.

14. TRANSPORT INFORMATION

Canada All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List. 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.

15. OTHER INFORMATION

The information presented herein has been compiled from sources considered to be dependable and is accurate to the best of BOSS Lubricants' knowledge; however BOSS Lubricants makes no warranty whatsoever, expressed or implied of MERCHANTABILITY OR FITNESS FOR THE PARTICULAR PURPOSE, regarding the accuracy of such data or the results to be obtained from use thereof BOSS Lubricants' assumes no responsibility for injury to recipient or to third persons or for any damage to any property and recipient assumes all such risks.

