



## MATERIAL SAFETY DATA SHEET

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### Section I: Preparation information

SUPPLIER/MANUFACTURER:  
ASHLAND CANADA CORP.  
2620 ROYAL WINDSOR DRIVE  
MISSISSAUGA, ONTARIO L5J 4E7  
TORONTO, CANADA, M4S 2N2

DATE PREPARED: FEB 15, 2005

**24-HOUR EMERGENCY: CALL 1-800-ASHLAND OR 1-800-274-5263  
(ASK ABOUT PRODUCT CODE NUMBER 13109)**

### Section II: Product Information

PRODUCT NAME: GREEN PERFORM FUEL TREATMENT - CLEAN BOOST  
GENERAL/GENERIC NAME: SOLVENT BLEND  
PRODUCT USE: ADDITIVE FOR HEATING OIL AND DIESEL FUELS  
WHMIS CLASSIFICATION: B3 D2B  
DSL STATUS: ON DSL

### Section III: Shipping information

SHIPPING NAME: NOT REGULATED AS DANGEROUS GOODS FOR SHIPPING  
UN NUMBER: N/A  
CLASS: N/A  
PACKING GROUP: N/A

### Section IV: Hazardous Ingredient (s)

INGREDIENT:	% W/W	TLV	CAS No.
NAPHTHA PETROLEUM	60-100	100 PPM(*)	64742-94-5
NAPHTHALENE	3-7	10 PPM	91-20-3
ORGANOMETALLIC COMPOUNDS	1-5	10 MG / M3	N/A (BLEND)
1,2,4 TRIMETHYLBENZENE	0.1-1	25 PPM	95-63-6

Note: \* Recommended

N/E – Not Established

N/A – Not Applicable

**Section V: Physical Data**

INITIAL BOIL-POINT:	158 °C OR 316 °F @ 760 MMHG
VAPOUR PRESSURE:	3.75 MMHG @ 38 °C OR 100 °F
VAPOUR DENSITY:	HEAVIER THAN AIR
EVAPORATION RATE:	SLOWER THAN ETHER
PHYSICAL STATE:	LIQUID
ODOUR THRESHOLD:	N/E
FREEZING POINT:	N/E
SPECIFIC GRAVITY:	0.89 @ 20 °C OR 68 °F
% VOLATILE:	100 %
APPEARANCE AND ODOUR:	CLEAR YELLOW LIQUID, AROMATIC ODOUR

**Section VI: Fire & Explosion Information**

FLASH POINT:	CLOSED CUP 62.8 C OR 145 F
FLAMMABLE LIMITS:	LFL: 0.9% UFL: 6.0%
AUTO IGNITION TEMPERATURE:	N/E
EXTINGUISHING MEDIA:	FOAM, WATER FOG, DRY CHEMICAL, OR CARBON DIOXIDE

HAZARDOUS COMBUSTION PRODUCTS:  
CARBON DIOXIDE AND CARBON MONOXIDE, VARIOUS HYDROCARBONS, ETC.

FIREFIGHTING PROCEDURES:  
WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE WHEN FIGHTING FIRES.

SPECIAL FIRE & EXPLOSION HAZARDS:  
VAPOURS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR BE MOVED BY VENTILATION AND IGNITED BY HEAT, PILOT LIGHTS, OTHER FLAMES AND IGNITION SOURCES AT LOCATIONS DISTANT FROM MATERIAL HANDING POINT.

NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT (EVEN JUST RESIDUE) CAN IGNITE EXPLOSIVELY.

ALL FIVE GALLON PAILS AND LARGER METAL CONTAINERS INCLUDING TANK CARS AND TANK TRUCKS SHOULD BE GROUNDED AND/OR BONDED WHEN MATERIAL IS TRANSFERRED.

Note: \* Recommended  
N/E – Not Established  
N/A – Not Applicable

<b>SECTION VII:</b>	<b>TOXICAOLOGICAL PROERTIES</b>
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THRESHOLD LIMIT VALUE: SEE SECTION IV

EFFECTS OF ACUTE OVEREXPOSURE:

EYES: MAY CAUSE SEVERE IRRITAION, REDNESS, TEARING  
BLURRED VISION

SKIN: MAY CAUSE IRRITATION.

BREATHING: EXCESSIVE INHALATION OF VAPOURS MAY CAUSE  
NASAL AND RESPIRATORY IRRIATION

SWALLOWING: CAN CAUSE GASTROINTESTINAL IRRETATION, NAUSEA,  
VOMITHING AND DIARRHEA. ASPIRATION OF MATERIAL  
INTO LUNGS CAN CASUE CHEMICAL PNEUMONITIS,  
WHICH CAN BE FATAL.

OTHER DATA:

SOLVENT NAPHTHA	LD:50 (ORL-RAT)	3000 MG / KG
(PETROLEUM) HEAVY	LD:50 (SKN-RBT)	3000 MG / KG
AROMATIC	LC:50 (INH-RAT)	>3800 MG / M3 / 4H
NAPHTHALENE:	LD:50 (ORL-RAT)	>490 MG / KG
	LD:50 (SKN-RBT)	>20 G / KG
	LC:50 (INH-RAT)	>340 MG /M3 / 4H

1,2,4 TRIMETHYLBENZENE:	LD:50 (ORL-RAT)	6G / KG
	LD:50 (SKN-RBT)	NOT ESTABLISHED
	LC:50 (INH-RAT)	18 MG /M3 / 4H

ORGANOMETALLICS:	LD:50 (ORL-RAT)	1320 MG / KG
	LD:50 (SKN-RBT)	3000 MG / KG
	LC:50 (INH-RAT)	>150 MG /M3 / 4H

Note: \* Recommended

N/E – Not Established

N/A – Not Applicable

<b>SECTION VIII: FIRST AID MEASURES</b>
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**FIRST AID:**

IF ON SKIN –  
THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING.  
LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

IF IN EYES –  
FLUSH WITH LARGE AMOUNTS OF WATER, LIFTING UPPER AND LOWER LIDS OCCASIONALLY; GET  
MEDICAL ATTENTION.

IF SWALLOWED –  
DO NOT INDUCE VOMITING, KEEP PERSON WARM, QUIET AND GET MEDICAL ATTENTION.

IF INHALED –  
IF AFFECTED, REMOVE INDIVIDUAL TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF  
BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION. KEEP PERSON WARM, QUIET AND GET  
MEDICAL ATTENTION.

<b>SECTION IX: REACTIVITY DATA</b>
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HAZARDOUS POLYMERIZATION:  
CANNOT OCCUR

STABILITY:  
STABLE

INCOMPATIBILITY:  
AVOID CONTACT WITH STRONG OXIDIZING AGENTS, SULFURIC ACID, NITRIC ACID

HAZARDOUS DECOMPOSITION PRODUCTS:  
NOT APPLICABLE

Note: \* Recommended  
N/E – Not Established  
N/A – Not Applicable

<b>SECTION X:                      PREVENTIVE MEASURES</b>
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**STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED:**

**SMALL SPILL:**

ABSORB ONTO SAND OR OTHER ABSORBANT MATERIAL.

**LARGE SPILL:**

ELIMINATE ALL IGNITION SOURCES (FLARES, FLAMES INCLUDING PILOT LIGHTS, ELECTRICAL SPARKS). PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL UNTIL CLEAN UP HAS BEEN COMPLETED. STOP SPILL AT SOURCE; DIKE AREA OF SPILL TO PREVENT SPREADING, PUMP LIQUID TO SALVAGE TANK. REMAINING LIQUID MAY BE TAKEN UP ON SAND, CLAY, EARTH, FLOOR ABSORBENT, OR OTHER ABSORVENT MATERIAL AND SHOVELLED INTO CONTAINERS.

**WASTE DISPOSAL METHOD:**

**SMALL SPILL:**

DEPOSIT IN A LANDFILL IN ACCORDANCE WITH ALL LOCAL, PROVINCIAL AND FEDERAL REGULATIONS.

**LARGE SPILL:**

DESTROY BY INCENERATION IN ACCORDANCE WITH ALL LOCAL, PROVINCIAL AND FEDERAL REGULATIONS.

**RESPIRATORY PROTECTION:**

IF WORKPLACE EXPOSURE LIMIT(S) OF PRODUCT OR ANY COMPONENT IS EXCEEDED (SEE SECTION IV) A NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. OSHA REGULATIONS ALSO PERMIT OTHER NIOSH/MSHA RESPIRATORS (NEGATIVE PRESSURE TYPE) UNDER SPECIFIED CONDITIONS (SEE YOUR SAFETY EQUIPMENT SUPPLIER) ENGINEERING OR ADMINISTRATIVE CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE.

**VENTILATION:**

PROVIDE SUFFICIENT MECHANICAL (GENERAL AND OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

**PROTECTIVE GLOVES:**

WEAR RESISTANT GLOVES, SUCH AS POLYETHYLENE.

Note: \* Recommended

N/E – Not Established

N/A – Not Applicable

**PREVENTIVE MEASURES (CONTINUED)**

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**EYE PROTECTION:**

CHEMICAL SPLASH GOGGLES IN COMPLIANCE WITH OSHA REGULATIONS ARE ADVISED; HOWEVER, OSHA REGULATION ALSO PERMIT OTHER TYPE SAFETY CLASSES. (CONSULT YOUR SAFETY EQUIPMENT SUPPLIER)

**OTHER PROTECTIVE EQUIPMENT:**

TO PREVENT REPEATED OR PROLONGED SKIN CONTACT, WEAR IMPERVIOUS CLOTHING AND BOOTS.

**PRODUCT DISPOSAL INFORMATION:**

THIS PRODUCT MAY BE CLASSIFIED AS A LIQUID INDUSTRIAL WASTE OR A REGISTERABLE SOLID WASTE AND MAY BE SUBJECT TO WASTER GENERATOR REQUIREMENTS.

CONTAINERS OF THIS MATERIAL MAY BE HAXARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID, AND / OR SOLID), ALL HAZARD PRECAUTIONS GIVEN IN THE DATA SHEET MUST BE OBSERVED.

METAL AND PLASTIC CONTAINERS MAY BE RECYCLED. PLEASE CONTACT YOUR DRUM RECONDITIONER FOR FURTHER INFORMATION.

THE INFORMATION PRESENTED HEREIN IS BELIEVED TO BE ACCURATE, BUT IS NOT WARRANTED TO BE, WHETHER ORIGINATING WITH THE COMPANY OR NOT. RECIPIENTS ARE ADVISED TO CONFRM, IN ADVANCE OF NEED, THAT THE INFORMATION IS CURRENT, APPLICABLE, AND SUITABLE TO THEIR CIRCUMSTANCES.

**LAST PAGE**

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