

SHOOTERS CHOICE MC#7 BORE CLEANER
MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product ID:	MC#7 Bore Cleaner
Product Use:	None Specified
Print Date:	Apr. 12, 2012
Revision Date:	Apr. 12, 2012

Company Identification

Ventco, Inc.
15050 Berkshire Ind. Pkwy.
Middlefield, OH 44062
Manufacture Phone: 440-834-8888

24 Hour Medical Emergency Phone: 800-424-9300
International Chemtrec: 703-527-3887

2. HAZARDS IDENTIFICATION

Primary Routes of Exposure:

Inhalation
Ingestion
Skin absorption

Eye Contact:

- * Moderate eye irritation
- * Risk of serious damage to eyes

Skin Contact:

- * Causes skin irritation
- * Dermatitis
- * May cause defatting of the skin
- * Harmful if absorbed through skin
- * Can be absorbed through skin

Ingestion:

- * Irritation of the mouth, throat and stomach
- * Harmful if swallowed
- * Aspiration hazard if swallowed – can enter lungs and cause damage

Inhalation:

- * Causes respiratory tract irritation
- * Harmful by inhalation
- * May cause bronchopneumonia or bronchitis

Target Organ and Other Health Effects:

- * Causes headache, drowsiness or other effects to the central nervous system
- * Spleen damage may occur

- *Liver injury may occur
- *Kidney injury may occur
- *Blood disorders
- *Contains glycol ether which has been shown to cause blood effects damage in laboratory animals

This product contains ingredients that may contribute to the following potential chronic health effects:

*Notice: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberating concentrating and inhaling the contents may be harmful or fatal.

Carcinogens:

*Possible cancer hazard. Contains material which may cause cancer based on animal data

3. COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

Ingredient Name CAS_No.	Approx. Weight%	Chemical Name
ETHYLENE GLYCOL MONOBUTYL ETHER 111-76-2	5-10	2-Butoxyethanol
METHYL AMYL ALCOHOL 108-11-2	5-10	4-methyl-2-pentanol
AROMATIC HYDROCARBON 64742-95-6	20-25	Petroleum-Naphtha, light aromatic
AROMATIC HYDROCARBON 64742-94-5	20-25	Solvent naphtha, petroleum, heavy aroma
PETROLEUM HYDROCARBON 64742-52-5	5-10	Distillates(petroleum), hydrotreated heavy naphthenic
OLEIC ACID 112-80-1	5-10	Oleic Acid

If this section is blank there are no hazardous components per OSHA guidelines

4. FIRST AID MEASURES

Eye Contact:

Remove any contact lenses and open eyes wide apart. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If medical assistance is not immediately available, flush an additional 15 minutes. Get medical attention immediately.

Skin Contact:

Remove contaminated clothing and shoes. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention, if symptoms develop or persist.

Ingestion:

Rinse mouth with water. Give one or two glasses of water. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. If vomiting occurs, keep head lower than hips to prevent aspiration. Get medical attention immediately.

Inhalation:

Move injured person into fresh air and keep person calm under observation. Get medical attention immediately. For breathing difficulties, oxygen may be necessary. If breathing stops, provide artificial respiration.

Medical conditions aggravated by exposure:

Any respiratory or skin condition

5. FIRE FIGHTING MEASURES

Flash Point (Fahrenheit):	116°F (47°C)
Lower explosive limit:	1 %
Upper explosive limit:	11%
Autoignition temperature:	not determined -°F (°C)
Sensitivity to impact:	No
Sensitivity to static discharge:	Can be sensitive to static discharge hazards. Please see bonding and grounding information in section 7.
Hazardous combustion products:	See Section 10

Unusual fire and explosion hazards:

None Known

Extinguishing media:

Carbon dioxide, dry chemical, foam and/or water fog

Fire fighting procedures:

Firefighters should be equipped with self-contained breathing apparatus and turn out gear. Keep containers and surroundings cool with water spray.

6. ACCIDENTAL RELEASE MEASURES

Action to be taken if material is released or spilled:

Ventilate the area. Avoid breathing dust or vapor. Use self-containing breathing apparatus or airmask for large spills in a confined area. Wipe, scrape, or soak up in an inert material and put in a container for disposal. See section 7, "handling and storage", for proper container and storage procedures. Remove all sources of ignition. Soak up with inert absorbent material. Use only non-sparking tools. Avoid contact with eyes.

7. HANDLING AND STORAGE

Precautions to be taken in handling and storage:

Keep away from heat, sparks, and open flame. – No smoking. Keep container closed when not in use. Do not store above 120 degrees F. (49 degrees C). Based on flash point and vapor pressure, suitable storage should be provided in accordance with OSHA regulation 1910.106, Ontario OH&S regulation 851 section 22. Empty containers may contain product residue, including flammable or explosive vapors. Do not cut, puncture or weld on or near container. All label warnings must be observed until the container has been commercially cleaned or reconditioned. If the product is used near or above the flashpoint, an ignition hazard may be present. Activities, uses or operations which liberate vapor (such as mixing or free fall of liquids) may also present an ignition hazard. Please ensure containers and other interconnected equipment are properly bonded and grounded at all times.

8. PERSONAL PROTECTIVE EQUIPMENT AND EXPOSURE CONTROLS

Personal Protective Equipment

Eye and face protection:

Wear chemical goggles with splash shields or face shields. Contact lenses should not be worn when working with chemicals because contact lenses may contribute to the severity of an eye injury in case of exposure.

Skin protection:

Appropriate chemical resistant gloves should be worn.

Other Personal Protection Data:

To prevent skin contact wear protective clothing covering all exposed areas. Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory protection:

If exposure cannot be controlled below applicable limits, use the appropriate NIOSH approved respirator such as an air purifying respirator with organic vapor cartridge and dust/mist filter. Consult the respirator manufacturer's literature to ensure that the respirator will provide adequate protection. Read and follow all respirator manufacturers' instructions.

Ventilation

Use only in well-ventilated areas. Ensure adequate ventilation, especially in confined areas. Ovens used for curing should contain a fresh air purge to prevent vapors from accumulating and creating a possible explosive mixture. Where the product is used in a hazardous classified area, use explosion –proof electrical/ventilating/lighting/equipment.

Exposure Guidelines

OSHA Permissible Exposure Limits (PEL's)

Ingredient Name CAS_No.	Approx. Weight%	TWA (final)	Ceilings limits (final)	Skin designations
ETHYLENE GLYCOL MONOBUTYL ETHER 111-76-2	5-10	240 mg/m3 50 ppm		Can be absorbed through the skin
METHYL AMYL ALCOHOL 108-11-2	5-10	100 mg/m3 25 ppm		Can be absorbed through the skin

ACGIH Threshold Limit Value (tlv's)

Ingredient Name CAS_No.	Approx. Weight%	TWA	STEL	Ceilings limits	Skin designations
ETHYLENE GLYCOL MONOBUTYL ETHER 111-76-2	5-10	20 ppm			Can be absorbed through the skin
METHYL AMYL ALCOHOL 108-11-2	5-10	25 ppm			Can be absorbed through the skin

9. PHYSICAL PROPERTIES

Odor:	Normal for this product type
Physical State:	Liquid
pH:	not determined
Vapor Pressure:	24 mmHg @ 77°F (25°C)
Vapor Density (air=1.0):	4.7
Boiling Point:	not determined
Solubility in water:	not determined
Coefficient of water/oil distribution:	not determined
Density (lbs per US gallon):	7.55
Specific Gravity:	.91
Evaporation reat (butyl acetate =1.0	0.3
Flash point (Fahrenheit):	116°F (47°C)
Lower explosive limit:	1 %
Upper explosive limit:	11 %
Autoignition temperature:	not determined-°F (°C)

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions
Conditions to avoid:	Heat
Incompatibility:	Strong oxidizing agents
Hazardous Polymerization:	None anticipated
Hazardous Decomposition Products:	Carbon monoxide and carbon dioxide

Sensitivity to static discharge: Can be sensitive to static discharge hazards. Please see bonding and grounding information in Section 7.

11. TOXICOLOGICAL INFORMATION

Ingredient Name CAS_No.	Approx. Weight%	NIOSH - Selected LD50s and LC50s
ETHYLENE GLYCOL MONOBUTYL ETHER 111-76-2	5-10	Inhalation LC50 Rat: 450 ppm/4H Inhalation LC50 Mouse: 700 ppm/7H Oral LD50 Rat: 470 mg/kg LD50 Mouse: 1230 mg/kg Dermal LD50 Rabbit: 220 mg/kg
METHYL AMYL ALCOHOL 108-11-2	5-10	Oral LD50 Rat: 2590 mg/kg Dermal LD50 Rabbit: 3560 uL/kg
AROMATIC HYDROCARBON 64742-95-6	20-25	Oral LD50 Rat: 8400 mg/kg
AROMATIC HYDROCARBON 64742-94-5	20-25	Inhalation LC50 Rat: 590 mg/m ³ /4H Dermal LD50 Rabbit: 2 mL/kg

Mutagens/Teratogens/Carcinogens: None known

Ingredient Name CAS – No.	Approx. Weight %	OSHA Select Carcinogens	OSHA Possible Select Carcinogens	ACGIH Carcinogens
ETHYLENE GLYCOL MONOBUTYL ETHER 111-76-2	5 – 10			Group A3 Confirmed Animal carcinogen with Unknown relevance to Humans.

12. ECOLOGICAL DATA

No information on ecology is available

13. DISPOSAL CONSIDERATIONS

Disposal should be made in accordance with federal, state and local regulations

14. TRANSPORTATION INFORMATION

U.S. Department of Transportation

Proper Shipping Name: LUBRICANT, NOR REGULATED
 UN ID Number: NRLUBE
 Hazardous Ingredient: METHYL AMYL ALCOHOL
 (Land) 1
 Hazardous Ingredient: AMMONIUM HYDROXIDE
 (Land) 2

U.S. Highway & Rail Shipments

The supplier may apply one of the following exceptions: Combustible Liquid, Consumer Commodity, Limited Quantity, Viscous Liquid, Does Not Sustain Combustion, or others, as allowed under 49CFR Hazmat Regulations. Please consult 49CFR Subchapter C to ensure that subsequent shipments comply with these exceptions.

Reportable Quantity Description:

International Air Transport Association (IATA):

Proper Shipping Name: Flammable liquid, n.o.s.
 Hazard Class: 3
 UN ID Number: UN1993
 Packing Group: III
 IATO N.O.S. Technical Name 1: METHYL AMYL ALCOHOL
 IATO N.O.S. Technical Name 2: AMMONIUM HYDROXIDE

International Maritime Organization (IMO)

Proper Shipping Name: FLAMMABLE LIQUID, N.O.S.
 Hazard Class: 3
 Non-Bulk UN ID Number: UN1993
 Packing Group: III
 IMDG N.O.S. Technical Name 1: METHYL AMYL ALCOHOL
 IMDG N.O.S. Technical Name 2: AMMONIUM HYDROXIDE

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

Ingredient Name CAS_No.	Approx. Weight%	SARA 302	SARA 313	CERCLA RQ in lbs.
ETHYLENE GLYCOL MONOBUTYL ETHER 111-76-2	5-10		yes	

SARA 311/312 Hazard Class:

Acute: yes
Chronic: yes
Flammability: yes
Reactivity: no
Sudden Pressure: no

U.S. STATE REGULATIONS:

Right to Know:

The specific chemical identity of a component may be withheld as a trade secret under 34 Pennsylvania Code, Chapter 317.

Pennsylvania Right To Know:

METHYL AMYL ALCOHOL	108-11-2
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2
AROMATIC HYDROCARBON	64742-95-6
AROMATIC HYDROCARBON	64742-94-5

Additional Non-Hazardous Materials

WATER	7732-18-5
PROPRIETARY OIL	Trade Secret

California Proposition 65:

WARNING! This product contains a chemical known in the State of California to cause cancer.

Rule 66 status of product Photochemically reactive

INTERNATIONAL REGULATIONS – Chemical Inventories

US TSCA Inventory:

All components of this product are in compliance with U.S. TSCA Chemical Substance Inventory Requirements.

Canada Domestic Substances List:

All components of this product are listed on the Domestic Substances List.

16. OTHER INFORMATION**HMIS Codes**

Health:	1
Flammability	2
Reactivity:	1
PPE:	X – See Section 8 for Personal Protective Equipment (PPE)

Abbreviations:

OSHA – Occupational Safety and Health Administration, IARC – International Agency for Research on Cancer, NIOSH – National Institute of Occupational Safety and Health, NTP – National toxicology Program, ACGIH – American Conference of Governmental Industrial Hygienists, SCAQMD – South Coast Air Quality Management District, TSCA – Toxic Substances Control Act, IATA – International Air Transport Association, IMO – International Maritime Organization, DOT – Department of Transportation, NA – Not applicable, NOT ESTAB– Not established, N.A.V. – Not available, RQ – Reportable quantity, WT – Weight, MG/CU M – Milligrams per cubic meter, G/L – Grams per liter, MM – Millimeters, MPPCF – Millions of particles per cubic foot, PPM – parts per million, PPT – parts per thousand, TCC/PM – Tag closed cup / Pensky-Martens, PB – Lead, PEL – Permissible exposure level, TWA – Time Weighted Average, STEL – Short term exposure limit, C – Celsius, F – Fahrenheit.

Disclaimer:

The data on this sheet represents typical values. Since application variables are a major factor in product performance, this information should serve only as a general guide. Ventco, Inc. assumes no obligation or liability for use of this information. UNLESS VENTCO, INC. AGREES OTHERWISE IN WRITING, VENTCO, INC. MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR FREEDOM FROM PATENT INFRINGEMENT. VENTCO, INC. WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES. Your only remedy for any defect in this product is the replacement of the defective product, or a refund of its purchase price, at our option. This MSDS contains additional information required by the state of Pennsylvania.

Preparation Information:

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