

# SAFETY DATA SHEET

## MC#7 BORE CLEANER

Issue Date 12-2-2014

Revision Date 3-24-2015

Version 1

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product Identifier

Product Name: MC#7 BORE CLEANER

Product Code: MC702, MC704, MC716, MC7128

#### Recommended Use of the Chemical and Restrictions on Use Recommended Use

Firearms bore cleaner solvent

#### Details of the Supplier of the Safety Data Sheet

##### Supplier Address

VENTCO, INC.  
15050 BERKSHIRE IND. PKWY  
MIDDLEFIELD, OH 44062  
Information Telephone Number: 440-834-8888

#### Emergency Contact

Chemtrec: 800-424-9300

International Chemtrec: 703-527-3887

### 2. HAZARDS IDENTIFICATION

#### GHS Classification

Flammable liquids: Category 3

Serious Eye irritation: Category 2A

Acute Toxicity – Inhalation: Category 4

Skin corrosion/irritation: Category 2

Specific target organ toxicity – repeat exposure: Category 2

Aspiration Toxicity: Category 1

#### Signal Word

DANGER

#### Symbols



#### Emergency Overview:

Physical State: Liquid

Color: colorless, clear

Odor: Ammonia Scent

OSHA/HCS status: This material is considered hazardous by the OSHA Hazard Communication Standard(29 CFR 1910.1200).

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### **Hazard Statements**

H226: FLAMMABLE LIQUID AND VAPOUR.  
H332: HARMFUL IF INHALED.  
H319: CAUSES SERIOUS EYE IRRITATION  
H315: CAUSES SKIN IRRITATION.  
H373: MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE.  
H304: MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.

### **Precautionary Statements-Prevention**

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233: Keep container tightly closed.  
P240: Ground and bond container and receiving equipment.  
P241: Use explosion-proof equipment.  
P242: Use only non-sparking tools.  
P243: Take precautionary measures against static discharge.  
P261: Avoid breathing vapours.  
P271: Use only outdoors or in a well-ventilated area.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P264: Wash face, hands and any exposed skin thoroughly after handling.  
P260: Do not breathe dust/fume/gas/mist/vapours/spray

### **Precautionary Statements – Response**

P302+P352: IF ON SKIN (or hair): Wash with plenty of water.  
P332 + P313: If skin irritation occurs: Get medical advice/attention.  
P362 + P364: Take off contaminated clothing and wash it before reuse.  
P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313: If eye irritation persists: Get medical advice/attention.  
P312: Call a POISON CENTER or doctor if you feel unwell.  
P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.  
P331: Do not induce vomiting.  
P330: Rinse mouth.  
P370 + P378: In case of fire: Use dry chemical, CO2, or Halon for extinction.

### **Precautionary Statements – Storage**

P403 + P233: Store in a well-ventilated place. Keep container tightly closed. Keep cool.  
P405: Store locked up.

### **Precautionary Statements – Disposal**

P501: Dispose of contents/container to an approved waste disposal plant.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
AROMATIC HYDROCARBON	64742-95-6	20-25
HYDROCARBON SOLVENT	64742-94-5	20-25
METHYL AMYL ALCOHOL	108-11-2	5-10
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	6.69
PETROLEUM HYDROCARBON	64742-52-5	5-10
OLEIC ACID	112-80-1	5-10
AMMONIUM HYDROXIDE	1336-21-6	1.61

### 4. FIRST AID MEASURES

#### First Aid Measures

<b>Eye Contact</b>	<b>IF IN EYES:</b> Rinse cautiously with water for several minutes. Check for and remove any contact lenses. Immediately flush eyes thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Get medical attention immediately.
<b>Skin Contact</b>	<b>IF ON SKIN:</b> Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Seek medical attention if irritation occurs.
<b>Inhalation</b>	<b>IF INHALED:</b> Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison control center or physician.
<b>Ingestion mouth</b>	<b>IF SWALLOWED:</b> Clean mouth with water. Do not induce vomiting or give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

#### Most Important Symptoms and Effects, both Acute and Delayed

<b>Symptoms</b>	Direct contact with eyes causes serious irritation. Substance causes skin irritation. Harmful if inhaled. May cause irritation to the mucous membranes and upper respiratory tract. Choking, coughing and headache may occur. May cause irritation to the digestive tract.
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#### Indication of any Immediate Medical Attention and Special Treatment Needed

<b>Note to Physicians</b>	Treat symptomatically.
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### 5. FIRE-FIGHTING MEASURES

#### Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry Chemical CO<sub>2</sub>, Halon.

Unsuitable Extinguishing Media Do not use water.

#### Specific Hazards Arising from the Chemical

Flammable liquid. In a fire or if heated, a pressure increase will occur and the container may burst. Runoff to sewer may create fire or explosion hazard.

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### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

**Personal Precautions** Use personal protective equipment as required. Isolate area. Keep unnecessary personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.

### Methods and Material for Containment and Cleaning Up

**Methods for Containment** For small spills, absorb on poly-pads or other suitable non-reactive absorbent material. Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up** Eliminate all sources of ignition. Use non-sparking hand tools and explosion-proof electrical equipment. Sweep up and shovel into suitable containers for disposal. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations.

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection recommended in Section 8. Use only in well-ventilated areas. Do not breathe vapors or spray mist. Keep away from heat, sparks, flame and other sources of ignition. All equipment used when handling the product must be grounded.

### Conditions for Safe Storage, Including any Incompatibilities

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up.

**Incompatible Materials** Strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACHIH TLV	OSHA PEL	NIOSH IDLH
Aromatic Hydrocarbon 64742-95-6	Data Not Available	Data Not Available	Data Not Available
Hydrocarbon Solvent 64742-94-5		17 ppm, 100 mg/m3 Exxon Mobil	
Methyl Amyl Alcohol 108-11-2	25 ppm TWA 40 ppm STEL	25 ppm, 100 mg/m3 TWA 40 ppm, 165 mg/m3 STEL	40ppm, 165 mg/m3 ST 25 ppm, 100 mg/m3 TWA
Ethylene Glycol Monobutyl Ether 111-76-2	20 ppm TWA	50 ppm, 24 mg/m3 TWA OSHA Z-1 240 mg/m3 TWA OSHA P0	5 ppm, 24 mg.m3 TWA
Petroleum Hydrocarbon 64742-52-5	5 mg/m3	5 mg/m3	
Ammonia as NH3 7664-41-7	25 ppm, 17 mg/m3 TWA 35 ppm, 24 mg/m3 STEL	50 ppm, 35 mg/m3 TWA	25 ppm, 18 mg/m3TWA 35 ppm, 27 mg/m3 STEL

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**Recommended monitoring procedures:** If this product contains ingredients with exposure limits, personal, workplace atmosphere or other biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

**Appropriate Engineering Controls:** Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Hygiene measures:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and the using the bathroom and at the end of the working periods.

### **Individual Protection Measures, such as Personal Protective Equipment**

<b>Eye/Face Protection</b>	Avoid contact with eyes. Wear safety eyewear.
<b>Skin and Body Protection</b>	Wear suitable protective clothing. Use impervious gloves.
<b>Respiratory Protection</b>	Ensure adequate ventilation, especially in confined areas.
<b>General Hygiene Considerations</b>	Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### **Information on Basic Physical and Chemical Properties**

Physical State	Liquid	Odor	Ammonia scent
Appearance	Clear Liquid	Odor Threshold	Not determined
Color	Clear		

### **Property**

### **Values**

pH	9.8
Melting Point/Freezing Point	Not determined
Boiling Point/Boiling Range	177 Deg F
Flash Point	116 (tcp)
Evaporation Rate	(H <sub>2</sub> O = 1) >1
Flammability (Solid, Gas)	n/a-liquid
Upper Flammability Limits	UEL = 11
Lower Flammability Limit	LEL = 1
Vapor Pressure	20@68f
Vapor Density	Not determined
Specific Gravity	.911
Water Solubility	Soluble in water
Solubility in Other Solvents	Not determined
Partition Coefficient	Not determined
Autoignition Temperature	Not determined
Decomposition Temperature Kinematic	Not determined
Viscosity	Not determined
Dynamic Viscosity	Not determined
Explosive Properties Oxidizing Properties	Heated drums can explode Not determined

## 10. STABILITY AND REACTIVITY

### **Reactivity**

Not reactive under normal conditions.

### **Chemical Stability**

Stable under recommended storage conditions.

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### Possibility of Hazardous Reactions

None under normal processing.

**Hazardous Polymerization** Hazardous polymerization does not occur.

### Conditions to Avoid

Keep out of reach of children. Avoid all possible sources of ignition (spark or flame).

### Incompatible Materials

Strong oxidizers, sparks or open flame.

### Hazardous Decomposition Products

Will not occur. In a fire: Carbon Monoxide, Carbon Dioxide and Hydrocarbons.

## 11. TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### Product Information

**Eye Contact** Causes severe eye irritation.

**Skin Contact** May cause skin irritation.

**Inhalation** Harmful if inhaled.

**Ingestion** May be fatal if swallowed and enters

airways.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Aromatic Hydrocarbon 64742-95-6	>3,000 mg/kg	>3,160 mg/kg	Data not available
Hydrocarbon Solvent 64742-94-5	Data not available	Data not available	Data not available
Methyl Amyl Alcohol 108-11-2	2,590 mg/kg	2,870 mg/kg	> 16,000
Ethylene Glycol Monobutyl Ether 111-76-2	1,519 mg/kg (mouse)	>2,000 mg/kg	700, ppm 7 h
Petroleum Hydrocarbon 64742-52-5	>5000 mg/kg (rat)	>2000 mL/kg (rabbit)	Data not available
Ammonium Hydroxide 1336-21-6	350 mg/kg (rat)	Data not available	2000 ppm/4H

### Information on Physical, Chemical and Toxicological Effects

**Symptoms** Please see section 4 of this SDS for symptoms.

### Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

**Carcinogenicity** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

### Numerical Measures of Toxicity

Not determined

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### 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Material expected to be toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Methyl Amyl Alcohol 108-11-2	EC50 (pseudokirchneriella subcapitata (green algae)): 147 mg/l	LC50 (Pimephales promelas (fathead minnow)): >92.4 mg/l		EC50 (daphnia magna (Water flea)): 337 mg/l
Hydrocarbon Solvent 64742-94-5	Data not available	Data not available	Data not available	Data not available

**Persistence and Degradability**

Not determined

**Bioaccumulation**

Not expected to bioaccumulate significantly.

**Other Adverse Effects**

Not determined

### 13. DISPOSAL CONSIDERATIONS

**Waste Treatment Methods**

**Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

### 14. TRANSPORT INFORMATION

**Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT**

UN1993, FLAMMABLE LIQUID, N.O.S., (PETROLEUM NAPHTHA, METHYL AMYL ALCOHOL) 3, PGIII

**IATA**

Not available.

**IMDG**

Not available.

**IDG**

Not regulated.

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**15. REGULATORY INFORMATION**

**International Inventories**

Not determined

**US Federal Regulations**

**SARA 313** Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical which is subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	CAS No	Weight-%
AMMONIUM HYDROXIDE	1336-21-6	1.62
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	6.69

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Methyl Amyl Alcohol	X	X	X
Aromatic Hydrocarbon	X		X
Ethylene Glycol Monobutyl Ether	90-100%	90-100%	90-100%

**16. OTHER INFORMATION**

**NFPA**

**Health Hazards**

**Flammability**

**Instability**

**Special Hazards**

**HMIS**

**Health Hazards**

**Flammability**

**Not determined  
Physical Hazards**

**Not determined  
Personal Protection**

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**Issue Date**

**December- 02-2014**

**Revision Date**

**March-24-2015**

**Revision Note**

**update**

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**