



## MATERIAL SAFETY DATA SHEET

NAME OF PRODUCT: Methocarbamol

MSDS DATE: 29 Sep, 2011

### Notice

NSF Reference Standards are for test and assay use only and are not intended for human or animal consumption. This document communicates information relating to test and assay use only and may not be applicable for any unauthorized use.

#### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Methocarbamol  
Catalog Code: RS1-0051  
Synonym: Guaiacol glyceryl ether carbamate  
Chemical Formula:  $C_{11}H_{15}NO_5$   
CAS #: 532-03-6

#### Contact Information:

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#### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Name: Methocarbamol

CAS#: 532-03-6

% by Weight: 100%

#### Toxicological Data on Ingredients:

Methocarbamol: LD50 Oral – Rat - 1320 mg/kg

#### SECTION 3: HAZARDS IDENTIFICATION

#### Potential Acute Health Effects:

Harmful if swallowed. May cause skin and/ or respiratory tract irritation. May cause eye irritation. May be harmful if inhaled or absorbed through the skin.



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Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not Available.

MUTAGENIC EFFECTS: Not Available.

TERATOGENIC EFFECTS: Not Available.

DEVELOPMENTAL TOXICITY: Not Available.

Repeated or prolonged exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

### SECTION 4: FIRST AID MEASURES

#### Eye Contact:

Check for and remove contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes keeping eyelids open. Seek medical attention.

#### Skin Contact:

In case of contact, immediately wash skin with disinfectant soap and plenty of water. Cover the irritated skin with an emollient. Seek medical attention.

#### Serious Skin Contact:

Wash with a disinfecting soap and cover contaminated area with antibiotic cream. Seek immediate medical attention.

#### Inhalation:

If inhaled, remove to fresh air. Seek immediate medical attention.

#### Serious Inhalation:

Not Available

#### Ingestion:

Do not induce vomiting. Loosen tight clothing. If victim is not breathing, perform mouth to mouth resuscitation. Seek immediate medical attention.

**Serious Ingestion:** Not Available.

### SECTION 5: FIRE-FIGHTING MEASURES

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not Available.

Flammable Limits: Not Available.

Flash Points: Not Available

Products of Combustion: These products are carbon oxides (CO, CO<sub>2</sub>), nitrogen oxides (NO, NO<sub>2</sub>...), and halogenated compounds.

Special Remarks on Explosion Hazards: Not Available.



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Fire Hazards in Presence of Various Substances: Not Available.

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not Available.

Risks of explosion of the product in presence of static discharge: Not Available.

Special Remarks on Fire Hazards: Not Available

Fire Fighting Media and Instructions:

SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

Small Spill:

Use appropriate tools to put the spilled solid in a convenient waste disposal container. After powder clean up, spread water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:

Use appropriate tools to put the material into a suitable waste disposal container. After powder clean up, spread water on the contaminated surface and dispose of according to local and regional authority requirements.

### SECTION 7: HANDLING AND STORAGE

Precautions:

Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing. 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.

Storage:

Keep container tightly closed. Keep container in a refrigerated, well-ventilated area.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION



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### Engineering Controls:

If laboratory operations generate dust, use local exhaust ventilation or other appropriate engineering controls to keep exposure to airborne contaminants below the exposure limit.

### Personal Protection:

Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

### Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Dust 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: Not Available.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance: Solid.

Odor: Odorless

Taste: Not Available

Molecular Weight: 241.24 g/mol

Color: White

pH (1% soln/water): Not Available

Boiling Point: Not Available

Melting Point: 93°C

Critical Temperature: Not Available.

Specific Gravity: Not Available.

Vapor Pressure: Not Applicable.

Vapor Density: Not Available.

Volatility: Not Available.

Odor Threshold: Not Available.

Water/Oil Dist. Coeff.: Not Available.

Ionicity (in Water): Not Available.

Dispersion Properties: See Solubility on Water.

Solubility: Soluble in cold water.

## SECTION 10: STABILITY AND REACTIVITY

Stability: The product is stable.



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Instability Temperature: Not Available.  
Conditions of Instability: Not Available.  
Incompatibility with various substances: Not Available.  
Corrosivity: Non-corrosive in presence of glass  
Special Remarks on Reactivity: Not Available.  
Special Remarks on Corrosivity: Not Available.  
Polymerization: Will not occur.

### SECTION 11: TOXICOLOGICAL INFORMATION

Routes of Entry: Eye Contact, Inhalation. Ingestion.

Toxicity to Animals: LD50 Oral – Rat – 1320 mg/kg

Chronic effects on Humans: Not Available.

Other Toxic Effects on Humans:

May be harmful if inhaled. May cause respiratory tract irritation. Harmful if swallowed. May be harmful if absorbed through skin. May cause skin irritation. May cause eye irritation.

Special Remarks on Toxicity to Animals: Not Available

Special Remarks on Chronic Effects on Humans: Not Available.

Special Remarks on other Toxic Effects on Humans: Not Available

### SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Not Available.

BOD5 and COD: Not Available.

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 more toxic than the product itself.



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Special Remarks on the Products of Biodegradation: Not Available

### SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal:

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

### SECTION 14: TRANSPORT INFORMATION

DOT Classification: Not a dangerous good.

Identification: Toxic Solid, methocarbamol.

Special Provisions for Transport: Not Applicable.

### SECTION 15: REGULATORY INFORMATION

Federal and State Regulations: TSCA 8(b) inventory: Methocarbamol

Other Regulations:

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS

DSCL (EEC):

R22 Harmful if swallowed. S46- If swallowed, seek medical advice immediately.

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 1

Reactivity: 0

Specific hazard:



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Protective Equipment:

Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Splash goggles.

### SECTION 16: OTHER INFORMATION

References: Not Available.

Other Special Considerations: Not Available.

### DISCLAIMER:

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