



# Safety Data Sheet

## Product Identifier

### SECTION 1. IDENTIFICATION

**Product Identifier:** Methacholine Chloride.

**Other Means of Identification:** Code L0030636 (100mg/mL) DIN 02263890, Code L0030637 (480 mg/mL) DIN 02263904, Code L0030638 (1600 mg/mL) DIN 02263912.

**Recommended Use:** N/A

**Restrictions on Use:** N/A

**Initial Supplier Identifier:** Omega Laboratories, Ltd.  
11177 Hamon St.  
Montreal, Canada H3M 3E4

**Emergency Telephone Number:** (514) 335-0310

### SECTION 2. HAZARD IDENTIFICATION

**Classification:** N/A

**Label Elements:** N/A

**Other Hazards:** N/A

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration	Common name / Synonyms	Other identifiers
Methacholine Chloride	62-51-1	100%	N/A	N/A

**Notes**

### SECTION 4. FIRST-AID MEASURES

**Inhalation:** Remove to fresh air and seek for medical advice if needed.

**Skin Contact:** Rinse immediately with plenty of water. Wash with soap.

**Eye Contact:** Rinse immediately with plenty of water and seek medical advice.

**Ingestion:** Do not induce vomiting. If large amounts were swallowed, get medical advice.

**Most Important Symptoms and Effects, Acute and Delayed:** Repeated or prolonged exposures to the substance can product target organs damage.

**Immediate Medical Attention and Special Treatment:** N/A



## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

**Suitable Extinguishing Media:** For small fire, use dry chemical powder and for large fire, use water spray, fog or foam. Do not use water jet.

**Unsuitable Extinguishing Media:** N/A

**Specific Hazards Arising from the Product:** Combustible. Can generate toxic fumes.

**Special Protective Equipment and Precautions for Fire-Fighters:** Full protective equipment and self-contained breathing apparatus. Skin and eyes protection.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment, and Emergency Procedures:** Wear rubber boots, rubber gloves, lab coat, safety glasses and respirator.

**Methods for Containment and Cleaning Up:** Shut off all sources of ignition. Spread water to dissolve. Sweep up, place in bag and hold for waste disposal. Avoid raising dust.

## SECTION 7. HANDLING AND STORAGE

**Precautions for Safe Handling and Conditions for Safe Storage:** Safety glasses. Compatible chemical-resistant gloves. Wear dust mask. Store in cool and dry place. Unopened vials should be stored between 15-30°C. Protect from moisture. Do not breath dust. Avoid contact with eyes, skin and clothing.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

Chemical Name	ACGIH® TLV®		OSHA PEL	
	TWA	STEL	TWA	STEL
N/A				
N/A				
N/A				

### Notes

**Appropriate Engineering Controls:** Need ventilation system after the area is cleaned if spilled.

### Individual Protection Measures

**Eye/Face Protection:** Safety glasses.

**Skin Protection:** Rubber boots and gloves.

**Respiratory Protection:** Wear respirator.



## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** White hygroscopic crystals.

**Odour:** Slight odour of dead fish.

**Odour Threshold:** N/A

**pH:** N/A

**Melting Point and Freezing Point:** 170-173°C.

**Initial Boiling Point and Boiling Range:** N/A

**Flash Point:** N/A

**Evaporation Rate:** N/A

**Flammability (solid, gas):** N/A

**Upper and Lower Flammability or Explosive Limit:** N/A

**Vapour Pressure:** N/A

**Vapour Density (air = 1):** N/A

**Relative Density (water = 1):** N/A

**Solubility in Water:** Totally soluble.

**Solubility in Other Liquids:** N/A

**Partition Coefficient, n-Octanol / Water:** N/A  
(Log Kow)

**Auto-ignition Temperature:** N/A

**Decomposition Temperature:** N/A

**Viscosity:** N/A

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

**Chemical Stability:** Stable when stored at room temperature and protected from moisture. Unstable in presence of water and alkalis.

**Possibility of Hazardous Reactions:** Will not occur.

**Conditions to Avoid:** Heat and contact with incompatible chemicals.

**Incompatible Materials:** Water and strong oxidizing agents.

**Hazardous Decomposition Products:** Carbon oxides, nitrogen, oxides and hydrochloric acid.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure

☒ Inhalation   ☒ Skin contact   ☒ Eye contact   ☐ Ingestion

### Acute Toxicity

**LD50 (oral):** Rat 750 mg/kg and Mouse 740 mg/kg



#### Notes

**Skin Corrosion / Irritation:** Irritant. Hazardous.

**Serious Eye Damage / Irritation:** Irritant. Very hazardous.

**STOT (Specific Target Organ Toxicity) - Single Exposure**

**Ingestion:** N/A

**STOT (Specific Target Organ Toxicity) - Repeated Exposure**

**Respiratory:** Irritant. Very hazardous.

#### Carcinogenicity

Chemical Name	IARC	ACGIH®	OSHA
N/A			
N/A			
N/A			

#### Notes

#### Reproductive Toxicity

**Development of Offspring:** N/A

**Sexual Function and Fertility:** N/A

**Effects on or via Lactation:** N/A

**Germ Cell Mutagenicity:** N/A

**Interactive Effects:** N/A

## SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

**Persistence and Degradability:** N/A

**Bioaccumulative Potential:** N/A

**Mobility in Soil:** N/A

**Other Adverse Effects:** N/A

## SECTION 13. DISPOSAL CONSIDERATIONS

**Disposal Methods:** Bury in a landfill site approved for the disposal of chemical and hazardous wastes.

Observe all environmental regulations.



## SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Technical Name (for N.O.S. entry)	Transport Hazard Class(es)	Packing Group

Special Precautions: N/A

Environmental Hazards: N/A

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: N/A

## SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations: N/A

## SECTION 16. OTHER INFORMATION

Date of Latest Revision:

06-02-2019

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WHMIS 2015 Template Provided by CCOHS, 2015