

NDC NO.: 65072-0401-1

Safety Data Sheet

Product name: Methocarbamol

SDS No.: SDS-ME-Ver.04

Address:

Yanhai Industrial Zone, Linhai City
Zhejiang Haizhou Pharma. Co.,Ltd.

Emergency and Information:

Phone: +86-576-85588191/85588603
Fax: +86-576-85588190

Section 1 - Product and Company Identification

Product Name: Methocarbamol

CAS: 532-03-6

Chemical Name: 1,2-Propanediol-3-(o-methoxyphenoxy)-1-carbamate

Contact Information:

Company name: Zhejiang Haizhou Pharmaceutical Co., Ltd

Address: Yanhai Industrial Zone, Linhai City, Zhejiang Province

Phone: +86-576-85588191/85588603

Fax: +86-576-85588190

Section 2 - Hazards Identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Acute toxicity, Oral (Category 4), H302

Respiratory sensitisation (Category 1), H334

Skin sensitisation (Category 1), H317

For the full text of the H-Statements mentioned in this Section, see Section 16.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Xn Harmful R22, R42/43

Potential Acute Health Effects: Slightly hazardous in case of skin contact(irritant), of eye contact(irritant), of ingestion, of inhalation

Labelling according Regulation (EC) No 1272/2008

Pictogram



Signal word: Danger

Hazard statement(s)

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary statement(s)

P261 Avoid breathing dust.

P280 Wear protective gloves.

P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

Supplemental Hazard Statements None

Potential Acute Health Effects: Slightly hazardous in case of skin contact(irritant), of eye contact(irritant), of ingestion, of inhalation

Potential Chronic Health:

Carcinogenic Effects: Not available.

Mutagenic Effects: Not available.

Teratogenic Effects: Not available.

Developmental Toxicity: Not available.

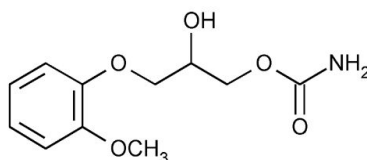
The substance may be toxic to Skeletal Muscle, central nervous system(CNS).

Repeated or prolonged exposure to the substance can produce target organs damage.

Section 3 - Compositon/Information on Ingredients

Product name: Methocarbamol

Structure:



CAS: 532-03-6

Molecular Formula: C₁₁H₁₅NO₅

Molecular Weight: 241.24

Section 4 - First Aid Measures

First Aid:

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.

Serious Skin Contact: Not available.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5 - Fire Fighting Measures

Suitable extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture:

Carbon oxides, nitrogen oxides (NO_x)

Fire Hazards in Presence of Various Substances: Slightly flammable to flammable in presence of heat.

Explosion Hazards in Presence of Various Substances: Risks of explosion of the product in presence of mechanical impact/static discharge: Not available.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6 - Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental precautions: Do not let product enter drains.

Section 7 - Handling and Storage

Precautions for safe handling:

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed.

Handling and storage precautions: store at room temperature in a dry, well-ventilated place. Keep container closed when not in use.

Other precautions: Follow label directions.

Section 8 - Exposure Controls & Personal Protection

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Eye/face protection: Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection: Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure: Do not let product enter drains.

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 & Chemical Properties**

Information on basic physical and chemical properties	
Appearance :	
Form:	Powder
Color:	White
Smell:	Odorless or slight characteristic odor
Optical Rotation:	(±) form, no optical rotation.
pH-value:	Not applicable
Change in condition:	
Melting point/Melting range:	Melts at about 94°C, or, if previously ground to a fine powder, melts at about 90°C.
Boiling point/Boiling range:	Not determined.
Flash point:	Not determined.
Danger of explosion:	Product is not explosive
Critical values for explosion:	
Lower:	Not determined.
Upper:	Not determined.
Steam pressure:	Not applicable.
Density:	Not determined.
Solubility in / Miscibility with	
Methanol:	Free soluble
Ethanol:	Free soluble
Chloroform:	Sparingly soluble
Water:	Slightly soluble
Benzene:	Insoluble
n-Hexane:	Insoluble
Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
Other information:	No further relevant information available

Section 10 - Stability & Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Excess heat, incompatible materials.

Incompatibility with various substances: Reactive with oxidizing agents.

Corrosivity: Not available.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11 - Toxicological Information

Route of Entry: Inhalation. Igestion.

Toxicity to Animals: Acute oral toxicity (LD50): 812mg/kg[Mouse].

Remarks: Behavioral: Altered sleep time (including change in righting reflex).

Behavioral: Muscle weakness.

Behavioral: Ataxia.

Chronic Effects on Humans: May cause damage to the following organs: Skeletal Muscle, central nervous system (CNS).

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Lethal Dose/Conc 50% Kill: LD50[Dog]-Route: Oral: Dose: 2000mg/kg

Special Remarks on Chronic Effects on Humans:

Acute Potential Health Effects:

Skin: May cause skin irritation.

Eyes: Dust may cause respiratory tract irritation.

Inhalation: Dust may cause respiratory tract irritation.

Ingestion: May be harmful if swallowed. May cause heartburn, abdominal distress, salivation, flushing, metallic taste, nausea, vomiting, headache, fever. May affect behavior/central nervous system/nervous system(central nervous system depression, drowsiness, dizziness, muscle weakness/relaxation, altered sleep time, lethargy, impaired concentration, lightheadness, ataxia/loss of muscle coordination, rigidity, somnolence, flaccid paralysis, respiration (respiratory depression). May cause skin rash and rarely anaphylactoid reaction or leukopenia.

Chronic Potential Health Effects:

Inhalation/Ingestion/Skin contact: May cause allergic reaction and anaphylaxis in sensitized individuals.

Medical Conditions Aggravated by Exposure: Hypersensitivity to material; persons sensitive to penicillin; impaired kidney or liver function; brain damage; myasthenia gravis(condition characterized by muscle weakness); epilepsy; acute asthma; bladder obstruction; urinary retention; prostatic hypertrophy; glaucoma.

Additional Information: RTECS: TY8750000

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 less toxic than the product itself.

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

UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

UN number: -

Transport hazard class(es): -

Packaging group: -

Environmental hazards:

ADR/RID: No IMDG Marine pollutant: No IATA: No

Section 15 - Regulatory Information

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

Camorma Proposition 65 Warnings: California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: No products were found. California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: No products were found.

Other Regulations:

EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances (EINECS NO.: 208-524-3).

Canada: Listed on Canadian Domestic Substance List(DSL).

China: Listed on National Inventory.

Japan: Listed on National Inventory(ENCS).

Korea: Listed on National Inventory(KECI).

Philippines: Not listed on National Inventory(PICCS)

Australia: Listed on AICS.

Other Classifications: WHMIS(Canada) Not controlled under WHMIS(Canada).

DSCL(EEC) R22-Harmful if swallowed. S46- If swallowed, seek medical advice immediately and show this container or label.

HMIS(U.S.A.)

Health Hazard	1
Fire Hazard	1
Reactivity	0
Personal Protection	E

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

		Flammability
Health	1	Reactivity
		Specific hazard

WHMIS(Canada)

(Pictograms)



DSCL(Europe)

(Pictograms)

TDG(Canada)

(Pictograms)



ADR(Europe)

(Pictograms)



Protective

Equipment



Gloves.



Lab coat.



Dust respirator. Be sure to use an approved/certified respirator or equivalent.



Safety glasses.

Section 16 - Other Information

Other Information: N/P