

## Chemical Safety Data Sheet MSDS / SDS

## Dimethyl chlorothiophosphate

Revision Date:2026-05-09 Revision Number:1

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

## Product identifier

Product name : Dimethyl chlorothiophosphate  
CBnumber : CB0150185  
CAS : 2524-03-0  
EINECS Number : 219-754-9  
Synonyms : MCT,O,O-dimethyl phosphorochloridothioate

## Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses : For R&D use only. Not for medicinal, household or other use.  
Uses advised against : none

## Company Identification

Company : Chemicalbook  
Address : Building 1, Huihuang International, Shangdi 10th Street, Haidian District, Beijing  
Telephone : 010-86108875

## SECTION 2: Hazards identification

## GHS Label elements, including precautionary statements

Symbol(GHS)



Signal word

Danger

## Precautionary statements

P273 Avoid release to the environment.  
P501 Dispose of contents/container to.....  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P301+P312 IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell.  
P330 Rinse mouth.  
P501 Dispose of contents/container to.....  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 IF ON SKIN: wash with plenty of soap and water.  
P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P322 Specific measures (see ...on this label).  
P363 Wash contaminated clothing before reuse.  
P501 Dispose of contents/container to.....  
P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 IF ON SKIN: wash with plenty of soap and water.  
P321 Specific treatment (see ... on this label).  
P332+P313 IF SKIN irritation occurs: Get medical advice/attention.  
P362 Take off contaminated clothing and wash before reuse.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
Continuerinsing.  
P310 Immediately call a POISON CENTER or doctor/physician.  
P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P271 Use only outdoors or in a well-ventilated area.  
P284 Wear respiratory protection.  
P304+P340 IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.  
P310 Immediately call a POISON CENTER or doctor/physician.  
P320 Specific treatment is urgent (see ... on this label).  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.  
P501 Dispose of contents/container to.....

#### **Hazard statements**

H318 Causes serious eye damage  
H412 Harmful to aquatic life with long lasting effects  
H330 Fatal if inhaled  
H335 May cause respiratory irritation  
H302 Harmful if swallowed  
H315 Causes skin irritation  
H312 Harmful in contact with skin

---

## SECTION 3: Composition/information on ingredients

### **Substance**

Product name	: Dimethyl chlorothiophosphate
Synonyms	: MCT,O,O-dimethyl phosphorochloridothioate
CAS	: 2524-03-0
EC number	: 219-754-9
MF	: C <sub>2</sub> H <sub>6</sub> ClO <sub>2</sub> PS
MW	: 160.56

---

## SECTION 4: First aid measures

---

SECTION 5: Firefighting measures

---

SECTION 6: Accidental release measures

---

SECTION 7: Handling and storage

---

SECTION 8: Exposure controls/personal protection

**control parameter**

**Hazard composition and occupational exposure limits**

Does not contain substances with occupational exposure limits.

---

SECTION 9: Physical and chemical properties

---

SECTION 10: Stability and reactivity

---

SECTION 11: Toxicological information

---

SECTION 12: Ecological information

---

SECTION 13: Disposal considerations

---

SECTION 14: Transport information

---

SECTION 15: Regulatory information

---

SECTION 16: Other information

**Disclaimer:**

The information in this MSDS is only applicable to the specified product, unless otherwise specified, it is not applicable to the mixture of this product and other substances. This MSDS only provides information on the safety of the product for those who have received the appropriate professional training for the user of the product. Users of this MSDS must make independent judgments on the applicability of this SDS. The authors of this MSDS will not be held responsible for any harm caused by the use of this MSDS.