



優可默實業有限公司

U-CHEMO HOLDING CO.,LIMITED

Flat C, 23/F, Lucky Plaza, 315-321 Lockhart Road, Wan Chai, Hong Kong

TEL: +(852)301-98033

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Material Safety Data Sheet

Section 1 - Product and Company Information

Product Name: 2-Propenoic acid, 2-methyl-,10-(phosphonooxy)decyl ester;
methacryloyloxydecyl dihydrogen phosphate;
12-Methacryloyldodecylphosphate; 10-(phosphonooxy)decyl
methacrylate

Company: U-Chemo Holding Co.,Limited

Address: 28C, No1381, Dong Fang Road, Pudong District

City, Country, Zip: Shanghai, China, 200127

Tel: 86-21-61558312

Fax: 86-21-60917937

Section 2- Composition/Information on Ingredient

Substance Name: 2-Propenoic acid, 2-methyl-,10-(phosphonooxy)decyl ester;
methacryloyloxydecyl dihydrogen phosphate;
12-Methacryloyldodecylphosphate; 10-(phosphonooxy)decyl
methacrylate

Formula: $C_{14}H_{27}O_6P$

CAS NO.: 85590-00-7

EINECS No: 200-913-6

Section 3 - Hazards Identification

Emergency overview

Appearance: Yellowish ropy liquid.

Flash Point: 226 deg C

Boiling Point: 445 deg C

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



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Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available.

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available.

The substance is toxic to mucous membranes. The substance may be toxic to lungs.

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

Section 4 – First Aid Measures

Eyes:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid immediately.

Skin:

In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical aid. Wash clothing before reuse.

Ingestion:

If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical aid.

Inhalation:

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

Notes to Physician:

Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Flammable liquid and vapor. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas.

Extinguishing Media:

In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.



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Flash Point: 226 deg C (439 deg F)

Boiling Point: 450 deg C (842.00 deg F)

Section 6 - Accidental Release Measures

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Clean up spills immediately, observing precautions in the Protective Equipment section. Remove all sources of ignition. Provide ventilation.

Section 7 - Handling and Storage

Precautions:

Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not breathe dust.

Keep away from incompatibles such as oxidizing agents, metals, acids.

Storage:

Store in a segregated and approved area. Keep in a cool and ventilated area away from combustible materials. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits



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Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
2-Propenoic acid, 2-methyl-,10-(phosphonooxy)decyl ester	none listed	none listed	none listed

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.

Section 9 – Physical & Chemical Properties

Physical State:	Liquid
Appearance:	Yellowish, ropy
Boiling Point:	450 deg C
Freezing/Melting Point:	N/A
Decomposition Temperature:	N/A
Solubility:	Soluble.
Specific Gravity/Density:	1.12 g/cm ³
Molecular Formula:	C ₁₄ H ₂₇ O ₆ P
Molecular Weight:	322.15

Section 10 - Stability and Reactivity

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Heat, ignition sources (flames, sparks), air, incompatible materials

Incompatibility with various substances: Reactive with oxidizing agents, metals, acids.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.



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Section 11 - Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals:

LD50: Not available. LC50: Not available.

Chronic Effects on Humans:

Causes damage to the following organs: mucous membranes. May cause damage to the following organs: lungs.

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

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: May cause adverse reproductive effects.

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 as toxic as 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.



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Section 14 - Transport Information

DOT Classification: Not Regulated.

Identification: : Activated carbon (Not DOT Regulated).

Special Provisions for Transport: Not available.

Section 15 –Additional Information

MSDS Creation Date: 28/04/2011

Revision:#0

Date: Original

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