

MATERIAL SAFETY DATA SHEET

PRODUCT AND COMPANY IDENTIFICATION

Company name : COOLMIN Co., LTD.
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number

Established/revised on Apr 30th, 2014

PRODUCT NAME (Chemical name, product name) : COOLMIN O₄

IDENTIFICATION OF THE SUBSTANCE

Single product / Mixture	:	Mixture	
Chemical name	:	Disodium hydrogen phosphate	Tetrapotassium pyrophosphate
Component and contents	:	15%	15%
Chemical formula/Structural formula	:	Na ₂ HPO ₄	K ₄ P ₂ O ₇
METI number	:	1-497	1-452
CAS registry number	:	10039-32-4	7320-34-5
Category UN /UN number	:	Not available	Not available
PRTR	:	Not available	Not available

HAZARDS IDENTIFICATION

Category name : Not available
Risk : Not hazardous in normal use.
Potential health effects : Eye and skin contact: May irritate eyes and skin.
Potential environmental effects : Drainage treatment is needed.

FIRST AID MEASURES

Eye contact : Immediately flush eyes with plenty of running water for over 15 minutes. Make sure to wash every corner of lids and eyeballs. Get medical attention by an ophthalmologist if needed.

Skin contact : Immediately remove contaminated clothing including shoes and wash affected area with plenty of water. If irritations occur, get medical attention if needed.

Inhalation : Immediately move person into fresh air and keep at rest. Get medical attention if needed.

Ingestion : Rinse mouth with plenty of water; give to the person milk mixed with egg white and/or olive oil and get immediate medical treatment. DO NOT induce vomiting even if the person is conscious.

FIRE FIGHTING MEASURES

Flammability : Nonflammable
Extinguishing media : -

ACCIDENTAL RELEASE MEASURES

Wear appropriate personal protection (e.g. eye protector, rubber gloves, rubber boots and protective mask, etc.). Absorb liquid by dry sand or inert adsorbent and collect it in hermetic container. Wash out non-collectable liquid with plenty of water after neutralization by diluted hydrochloric acid and/or diluted sulfuric acid.

HANDLING AND STORAGE

Handling : Wear, if needed, appropriate protection (e.g. eye protector, rubber gloves, rubber boots and long-sleeved blouse, etc.) to avoid direct contact with skin, eyes and clothes. Handle the container with care. Wash hands and face, etc. and gargle enough after handling.

Storage : After use, store in a sealed container away from entry of dust and moisture. Store away from direct sunlight and rain water and in a cool, dark and well-ventilated place.

EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure control limits : None

Occupational exposure limits

Japan Society for Occupational Health : None

ACGIH : None

Work hygienic practices : Eyewash/body wash facility near working area recommended.

Personal protective equipment

Respiratory protection : Not specially required.

Eye protection : Protective glasses with side shields

Hand protection : Rubber gloves

Foot protection : Rubbers boots

Skin and body protection : Long-sleeved blouse

PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Clear and colorless liquid

Boiling point : Approx. 100°C

Vapor pressure : - Pa (°C)

Solubility : Arbitrarily soluble to water.

Flushing point : - °C

Specific gravity : 1.31±0.01 (25°C)

Volatility : Not available

STABILITY AND REACTIVITY

Burning point : Not available

Firing point : Not available

Explosion limit : Not available

Flammability : Nonflammable

Ignition quality : Not available

(hypergolicity and water reactivity)

Oxydability : Not available

Autoreactivity / explodability : Not available

Dust explosibility	:	Not available
Stability / reactivity	:	Stable under normal handling conditions. Acid-base reaction generates heat of neutralization.
Others	:	Not specially available

TOXICOLOGICAL INFORMATION

Dermal corrosivity	:	Not available
Irritant property (skin, eyes)	:	Prolonged exposure may irritate skin and eyes.
Sensitizing property	:	Not available
Acute (including LD ₅₀)	:	Not available
Subacute	:	Not available
Chronic	:	Not available
Carcinogenicity	:	Not available
Mutagenicity	:	Not available
Reproductive effects	:	Not available
Teratogenicity	:	Not available
Others (Including toxic gases generation by water-reaction)	:	Not available

ECOLOGICAL INFORMATION

Degradability	:	Not available
Accumulability	:	Not available
Fish toxicity	:	Not available
Others	:	Alkaline when dissolved in water. Toxic against aquatic lives.

DISPOSAL CONSIDERATIONS

Dispose the effluents to the sewage treatment facilities in accordance with the provisions of ordinances. Or the effluents and containers shall be properly treated pursuant to all the relevant regulations by entrusting their disposal to the waste treatment companies authorized by the prefectural governors.

TRANSPORT INFORMATION

Comply with the instructions set forth in "Handling and storage". Make sure the containers are not leaky, load them avoiding overturning, falling and damages, and take measures to prevent collapse of cargo.

REGULATORY INFORMATION

OTHER INFORMATION

Descriptions given above are established based on data and information currently available, but in no way do they guarantee the relevancy of such data/information or of the evaluations thereof. Moreover, since these instructions apply to normal use of the product, safety measures appropriate for intended purpose should be newly undertaken in case of particular uses.