
MATERIAL SAFETY DATA SHEET**Section 1 - IDENTIFICATION OF THE SUBSTANCE/MIXTURE
AND OF THE COMPANY/UNDERTAKING**

Product name

Copolymer of vinyl chloride and vinyl isobutyl ether MP15、MP25、MP35、
MP45、MP60

Company Identification

QINGDAO SANHUAN COLORCHEM CO., LTD.

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QINGDAO, CHINA**Tel:** +86-532-88978177/88978188**Fax:** +86-532-88962988**Email:** michael@cncolorchem.com**Section 2 - COMPOSITION, INFORMATION ON INGREDIENTS**

Chemical Characterisation	CAS Number	Content (W/W)
vinyl chloride and vinyl isobutyl ether Copolymer	25154-85-2	100%

Section 3 - HAZARDS IDENTIFICATION

GHS Classification of the substance and mixture

H315 skin irritation (Category 2)

H319 eye irritation (Category 2)

H302 Harmful if swallowed (Category 4)

Label elements





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Signal Word	Warning	
Hazard statement(s)	H302	Harmful if swallowed
	H315	Causes skin irritation
	H319	Causes serious eye irritation
Precautionary statement(s)	P264	Wash thoroughly after handling
	Prevent	P270
		P280
Response	P304 +P340	If inhaled: :remove to fresh air and seek medical attention
	P301 +P330+P331	If swallowed:rinse mouth and then drink plenty of water
	P302 +P352	If on skin : Wash with soap and water
	P305 +P351 +P338	If in eyes rinse cautiously with water for several minutes.Remove contact lenses, if present and easy to do.Continue rinsing.
	P337 +P313	If eye irritation persists : Get medical advice/attention.
	P362	Take off contaminated clothing and wash before reuse

Other hazards

no data available

Section 4 : FIRST AID MEASURES

If Inhaled	Move to fresh air See medical attention if you feel unwell or if exposure prolonged
Contact with skin	Wash skin immediately with large amounts of water (>10mins)
Contact with eye	Wash eyes immediately with large



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Ingestion
Advice for doctor

amounts of water occasionally lift
upper and lower lids, until no
evidence of chemical remains. Get
Medical attention immediately
Get medical attention immediately
symptomatic treatment

Section 5 : FIRE FIGHTING MEASURES

Flash point:	not applicable
Autoignition:	No data available
Lower explosion limit:	not determined
Upper explosion limit:	not determined
Flammability:	does not ignite

Suitable extinguishing media:
water spray, dry powder, foam

Unsuitable extinguishing media for safety reasons:
carbon dioxide(CO₂)

Additional information:
Avoid whirling up the material/product because of the danger of dust
explosion.

Hazards during fire-fighting:
Hydrogen chloride, harmful vapours
Evolution of fumes/fog. The substances/groups of substances
mentioned can be released in case of fire.

Protective equipment for fire-fighting:
Wear a self-contained breathing apparatus.

Further information:
The substance/product forms flammable mixtures with air.

Section 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions:
Avoid dust formation. Use personal protective clothing.

Environmental precautions:
Contain contaminated water/firefighting water. Do not discharge into
drains/surface waters/groundwater.



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Notify proper authorities.

Cleaning-up methods:

Avoid raising dust.

For small amounts: Pick up with suitable appliance and dispose of.

For large amounts: Contain with dust binding material and dispose of.

Section 7 : HANDLING AND STORAGE

Handling:

General advice: Closed containers should only be opened in well-ventilated areas.

Protection against fire and explosion:

Avoid dust formation. Take precautionary measures against static discharges.

Storage

General advice:

Keep container tightly closed and dry; store in a cool place. Pay attention to moisture protection, sun protection and high temperature protection.

Section 8 : EXPOSURE CONTROLS AND PERSONAL PROTECTION

Advice on system design:

Provide local exhaust ventilation to control dust.

Personal protective equipment

Respiratory protection:

Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

Hand protection:

Chemical resistant protective gloves

Eye protection:

Safety glasses with side-shields.

General safety and hygiene measures:

Wear protective clothing as necessary to minimize contact. Wash soiled clothing immediately.

Section 9 : PHYSICAL AND CHEMICAL PROPERTIES

Form:

Powder, fine particles



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Odour:	faint specific odour
Colour:	colourless
pH value:	not applicable
softening range:	48 - 52 ° C (DIN EN ISO 306)
Vapour pressure:	not applicable
Density:	approx. 1.24 g/cm ³ (20 ° C) (DIN 53217-5)
Relative density:	No data available
Bulk density:	approx. 370 kg/m ³
Vapour density:	The product is a non-volatile solid
Particle size:	No data available
Solubility in water:	sparingly soluble
Solubility in other solvents:	insoluble

Section 10 :STABILITY AND REACTIVITY

Conditions to avoid: Avoid humidity.

Substances to avoid: No substances known that should be avoided.

Hazardous reactions: Dust explosion hazard.

Decomposition products: carbon monoxide, carbon dioxide, Hydrogen chloride

Corrosion to metals: No corrosive effect on metal.

Oxidizing properties: not fire-propagating

Section 11 : .TOXICOLOGICAL INFORMATION

Acute toxicity

Assessment of acute toxicity: Virtually nontoxic after a single ingestion.

Oral:

LD50 rat > 2,000 mg/kg

Method: OECD Guideline 423

Inhalation

LC50: not determined

Dermal

LD50: not determined

Irritation

Experimental/calculated data:

Skin corrosion/irritation rabbit: non-irritant

Method: OECD Guideline 404

Serious eye damage/irritation rabbit: non-irritant

Method: OECD Guideline 405

Respiratory/Skin sensitization



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Assessment of sensitization: no sensitizing effect.

Germ cell mutagenicity
No data available.

Carcinogenicity
Assessment of carcinogenicity: no data available concerning carcinogenic effects.

Reproductive toxicity
Assessment of reproduction toxicity: no data available.

Specific target organ toxicity(single exposure)
Remarks: no data available.

Repeated does toxicity and Specific target organ toxicity(repeated exposure)
Assessment of repeated does toxicity: no data available.

Aspiration hazard
No aspiration hazard expected.

Other relevant toxicity information:
Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

SECTION 12: ECOLOGICAL INFORMATION

Fish Acute:
Fish/LC50 (96 h):
not determined
Chronic:
No data available.

Aquatic invertebrates
Acute:
OECD Guideline 202, part 1 Daphnia magna/EC50 (48 h): > 100 mg/l
No toxic effects occur within the range of solubility. The product has low solubility in the test medium. An eluate has been tested.
Aquatic plants
Toxicity to aquatic plants:
algae/EC50 (72 h):
not determined



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Microorganisms

Toxicity to microorganisms:
bacteria/EC50 (0.5 h):
not determined

Degradability / Persistence

Biological / Abiological Degradation

Evaluation: The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.

Bioaccumulation

Due to the consistency of the product, dispersion into the environment is impossible. Therefore no negative effects on the environment may be anticipated based on the present state of knowledge.

Other adverse effects:

Do not release untreated into natural waters. At the present state of knowledge, no negative ecological effects are expected.

Section 13 : DISPOSAL CONSIDERATIONS

Waste disposal of substance:

Dispose of in accordance with national, state and local regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

Container disposal:

Uncontaminated packaging can be re-used. Packs that cannot be cleaned should be disposed of in the same manner as the contents.

Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

Section 14 : TRANSPORT INFORMATION

Land transport

USDOT

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations



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SECTION 15 REGULATORY INFORMATION

Federal Regulations
Registration status:
Chemical TSCA, US released / listed

OSHA hazard category: No data available;

EPCRA 311/312 (Hazard categories): Not hazardous;

Reportable Quantity for release: 5,000 lb

State regulations

CA Prop. 65:

THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

SECTION 16 OTHER INFORMATION

Recommended uses and restrictions None

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