



SAFETY DATA SHEET

According to 1907/2006/EC, Article 31

Fortis 8120

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name:	Fortis 8120
INCI name:	Methylchloroisothiazolinone, Methylisothiazolinone
CAS number:	26172-55-4, 2682-20-4
EC number:	247-500-7, 220-239-6

Relevant identified uses of the substance and uses advised against

Identified uses:	Cosmetic and Personal Care use
Uses advised against:	None known

Details of the supplier of the safety data sheet

Manufacturer/Supplier:	CINAGOS
Address:	No 39, Jalan Selat Selatan 7/KS5, Taman Perindustrian Sobena Jaya Pandamaran, 42000 Pelabuhan Klang, Selangor, Malaysia.
Emergency Contact number:	+603 31631679
Website:	www.cinagos.com

SECTION 2: Hazards Identification

Hazard classification:	Causes severe skin burns and eye damage May cause an allergic skin reaction Very toxic to aquatic life with long lasting effects Causes serious eye damage Harmful if swallowed May cause respiratory irritation.
Human Health Hazards	
Skin contact:	Specific target organ toxicity, single exposure; respiratory irritation (Category 1C/1)
Eye contact:	Serious eye damage/irritation (Category 1)
Ingestion:	Acute oral toxicity
Physical/Chemical Hazards:	Thermal decomposition can lead to release of nitrogen oxides.
Health hazards:	Pure products or high concentration may cause serious eye damage. Harmful if swallowed.
Environmental Hazards:	Hazardous to the aquatic environment -long-term (Category 1)





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Precautionary statement(s)

Do not breathe dust/fume/gas/mist/vapour/spray.
Thoroughly wash hands and skin after handling.
Do not eat, drink or smoke while using this product.
Use only outdoors or in a well-ventilated area.
Avoid releasing to the environment.
Wear protective gloves/protective clothing/goggles/face protection.
Contaminated work clothing should not be allowed out of the workplace.
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician.
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.
If skin irritation or rash occurs: Get medical advice/ attention.
Wash contaminated clothing before reuse.
Collect spillage.
Storage: Store locked up.
Disposal: Dispose of contents/ container to an approved waste disposal plant.

SECTION 3: Composition/information on ingredients

Substance / Mixture:	Mixture		
Chemical Name	CAS No.	EC No.	%
5-chloro-2-methyl-4-isothiazolin-3-one	26172-55-4	247-500-7	1.00-1.24
2-Methyl-4-isothiazolin-3-one	2682-20-4	220-239-6	0.34-0.40



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SECTION 4: First aid measures

General Advice:	Consult a physician. Move out of dangerous area. Do not leave the victim unattended.
Skin Contact:	Rinse skin with plenty of water. Take off immediately all contaminated clothing and shoe. Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.
Eye Contact:	Small amounts splashed into eyes can cause irreversible tissue damage and blindness. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Continue rinsing eyes during transport to hospital. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
Inhalation:	If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
Ingestion:	Clean mouth with water and drink afterwards plenty of water. Keep respiratory tract clear. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.
Most important symptoms and effects, both acute and delayed:	May cause an allergic skin reaction. Causes serious eye damage. Causes severe burns. Gastrointestinal discomfort Severe allergic skin reactions, bronchospasm and anaphylactic shock. Extremely corrosive and destructive to tissue. Rash Swollen corrosion of the mucous membranes Blurred vision Nausea Itching Dermatitis Local irritation



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Self-protection of the first
aider:

Note to physicians:

Wear personal protective equipment as required when entering
site of accident (see section 8).

Treat symptomatically.

Indication of any immediate medical attention and special treatment needed

Hazards:

Seek medical advice if unwell.

Treatment:

Treat symptomatically

SECTION 5: Firefighting measures

General fire hazards:

None known

Extinguishing media

Suitable extinguish media:

Use extinguishing measures that are appropriate to local
circumstances and the surrounding environment.

Unsuitable extinguishing
media

High volume water jet

Special hazards arising from
the substance or mixture:

Do not allow run-off from fire fighting to enter drains or water
courses.

Hazardous combustion:

Nitrogen oxides (NO_x)
Magnesium oxides
Carbon dioxide (CO₂)
Carbon monoxide
Hydrogen chloride gas

Special protective equipment and precautions for fire-fighters

Special protective equipment
for fire-fighters:

Wear self-contained breathing apparatus for firefighting if
necessary.

Specific extinguishing methods

Collect contaminated fire extinguishing water separately. This
must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be
disposed of in accordance with local regulations.
Standard procedure for chemical fires.



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SECTION 6: Accidental release measures

General measures:	Mark the danger area. Exposure to heat: have neighbourhood close doors and windows. Exposure to fire/heat: consider evacuation. Wash contaminated clothes.
Personal precautions, protective equipment and emergency procedures:	Use personal protective equipment as required (see section 8). Avoid contact cracked container and leaks before wearing proper protective equipment. According to the influence area of liquid flow and vapor diffusion, the warning area shall be defined, and irrelevant personnel shall evacuate from crosswind and upwind to the safety area.
Environmental precautions:	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods for cleaning up:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.
Prevention of secondary hazards:	Avoids leakage again during the cleaning process.
Notification procedures:	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations

SECTION 7: Handling and storage

Precaution for safe handling:	Do not breathe vapors/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. To avoid spills during handling keep bottle on a metal tray. Dispose of rinse water in accordance with local and national regulations. Persons susceptible to skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
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Conditions for safe storage, including any incompatibilities

Conditions for safe storage:	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
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Information on mixed storage:	Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.
Further information on storage stability	No data available.
Special rules on packaging:	No decomposition if stored and applied as directed. Closed, correctly labelled, meet the legal requirements Separated from incompatible materials (see section 10).

SECTION 8: Exposure controls/personal protection

Engineering controls

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Individual protection measures

Respiratory protection:	In the case of vapour formation use a respirator with an approved filter within the capabilities of the respirator/filter combination. Where concentrations are above recommended limits or are unknown, or a cartridge type respirator is not adequate, wear a positive-pressure supplied-air respirator.
Hand protection:	Material: butyl-rubber Break through time: 480 min Glove thickness: > 0.5 mm Remarks: The exact break through time can be obtained from the protective glove producer and this has to be observed. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
Eye/face protection:	Tightly fitting safety goggles. Eye wash bottle with pure water
Skin and body protection:	Wear protective clothing.





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SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	Liquid
Appearance:	Viscous and transparent liquid
Colour:	Colorless to green
Odour:	Negligible
Property:	Values
pH(25°C±2°C):	ca. 6 (Concentration: 1 g/l Aqueous solution)
Melting point/freezing point:	ca. 0 °C
Boiling point:	ca. 100 °C
Flash point:	No data available
Flammability limit:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Specific gravity (d_4^{20}):	No data available
Water solubility:	Miscible with water
Partition coefficient: n-octanol/water:	No data available
Autoignition temperature:	No data available
Decomposition temperature:	No data available
Refractive index(20°C±5°C):	1.335 - 1.346 (20 °C)

SECTION 10: Stability and reactivity

Chemical stability:	Stable under normal conditions
Possibility of hazardous reactions:	Keep away from oxidizing agents, and acidic or alkaline products. Vapors may form explosive mixture with air.
Conditions to avoid:	Protect from frost, heat and sunlight.
Reactivity:	No dangerous reaction known under conditions of normal use.
Incompatible materials:	Oxidizing agents
Hazardous decomposition products:	Nitrogen oxides (NOx) Carbon monoxide Carbon dioxide (CO2) Sulfur oxides

SECTION 11: Toxicological information

Acute toxicity:	No data available
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Skin corrosion/irritation:	Causes severe burns.
Serious eye damage/irritation:	Causes serious eye damage.
Respiratory or skin sensitisation:	Skin sensitization: May cause an allergic skin reaction. Respiratory sensitization: Not classified based on available information.
Germ cell mutagenicity:	No data available
Carcinogenicity:	No data available
Reproductive toxicity:	No data available
STOT-single exposure:	No data available
STOT-repeated exposure:	No data available
Aspiration hazard:	No data available
Symptoms of Overexposure:	Gastrointestinal discomfort Severe allergic skin reactions, bronchospasm and anaphylactic shock Extremely corrosive and destructive to tissue. Rash Swollen corrosion of the mucous membranes Blurred vision Nausea Itching Dermatitis Local irritation

SECTION 12: Ecological information

Ecotoxicity Assessment	
Acute aquatic toxicity:	Very toxic to aquatic life.
Chronic aquatic toxicity:	Very toxic to aquatic life with long lasting effects.
Persistence and degradability	
Components:	
Mixture of 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE MIXTURE WITH 2-METHYL-4-ISOTHIAZOLIN-3-ONE:	Biodegradability: Result: Not readily biodegradable. Biodegradation: 30 % Exposure time: 28 d Method: OECD Test Guideline 301B
Bioaccumulation:	No data available
Mobility in soil:	No data available

SECTION 13: Disposal considerations

Waste disposal methods:	The product should not be allowed to enter drains, water courses or the soil.
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Do not contaminate ponds, waterways or ditches with chemical or used container.

Send to a licensed waste management company.

Precautions for waste disposal: Waste disposal should be in accordance with applicable regional, national and local laws and regulations.
Avoid environment pollution.

SECTION 14: Transport information

UN number: UN_DG 1760
UN proper shipping name: CORROSIVE LIQUID, N.O.S. (5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE MIXTURE WITH 2-METHYL-4-ISOTHIAZOLIN-3-ONE)
Transport hazard class(es): 8
Packing group: III
Special precautions:
Marine pollutant (Yes/No): Yes. MARINE POLLUTANT:(5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE MIXTURE WITH 2-METHYL-4-ISOTHIAZOLIN-3-ONE)

SECTION 15: Regulation information

Safety, health, and environmental regulations specific for the hazardous chemical

Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013.

Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulations 2000.

The ingredients of this product are reported in the following inventories:

TCSI	ENCS	TSCA	DSL	ISHL	IECSC	TECI	PICCS	KECI	AIIC
Listed	Listed	Listed	Listed	Listed	Listed	Listed	Listed	Listed	Listed

AIIC (AUSTRALIA), DSL (CANADA), IECSC (CHINA), REACH (EUROPEAN UNION), ENCS (JAPAN), ISHL (JAPAN), KECI (KOREA), NZIOC (NEW ZEALAND), PICCS (PHILIPPINES), TCSI (TAIWAN), TECI (THAILAND), TSCA (USA)

SECTION 16: Other information

Training advice: No supplementary information available
Revision information: New SDS
Issue date: 01/01/2025



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Other information: No supplementary information available

List of abbreviations and acronyms that could be, but not necessarily are, used in this safety data sheet:

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service

LD50: Lethal dose, for 50% of test population

NOAEL: No observed adverse effect level

LC50: Lethal concentration, for 50% of test population

OECD 301A: Organization for Economic Co-operation and Development

EINECS: European Inventory of Existing commercial Chemical Substances

TSCA: Toxic Substances control Act of USA

DSL: The Domestic Substances List of Canada

IECSC: Inventory of Existing Chemical Substances in China

NZIoC: New Zealand's current temporary inventory of chemical substances

PICCS: Philippine Inventory of Chemicals and Chemical Substances

KECI: Korea Existing Chemical Substances List

AIIC: Australian Inventory of Chemical Substances

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.
