



Version: 2022
Date Updated: Sept 6, 2022

SECTION 1. ----- PRODUCT AND COMPANY IDENTIFICATION-----

Product Name	Ethyl green; Methyl Green, zinc chloride
Product Code(s)	MB0619
Recommended Use	For Laboratory Research Use Only Not for Human or Animal Drug Use
Supplier	Bio Basic Inc.
Address	20 Konrad Crescent, Markham, Ontario, Canada, L3R 8T4
Telephone	(905) 474 4493
Fax	(905) 474 5794
For Chemical Emergency Phone#	(416) 995 9730

SECTION 2. ----- HAZARDS IDENTIFICATION -----

GHS Classification: Skin Corrosion (Category 1B) Serious Eye Damage (Category 1)
Chronic Aquatic Hazard (Category 2)



Pictogram:

Signal Word: DANGER

HAZARD STATEMENT: H314: Causes severe skin burns & eye damage. H411: Toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENT: P260: Do not breath dust/spray/ fume/gas/ mist/ vapors. P264: wash skin thoroughly after handling P273: Avoid release into the environment. P405: Store locked up. P280: Wear protective gloves/eye & face protection P330: Rinse mouth P301 + P330 + P331: If Swallowed: Rinse mouth. DO Not induce vomiting. P303 + P361 + P353: If on Skin: Take off immediately all contaminated clothing. Rinse skin with water/shower. P304 + P340 + P312: If inhaled: remove to fresh air and keep at rest in a position comfortable for breathing. Call Poison Center or doctor/physician if you feel unwell P305 + P351 + P338: If in Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present & easy to do so. Continue Rinsing. P322: Specific measures (see supplemental first aid instructions) P363: Wash contaminated clothing and wash before reuse. P391: Collect spillage P501: Dispose of contents/container to an approved waste disposal plant.

HMIS Class: Health hazard 2, Flammability 0, Physical hazards 0

NFPA Rating: Health hazard 2, Fire 0, Reactivity hazard 0

SECTION 3. ----- COMPOSITION/INFORMATION ON INGREDIENTS -----

Chemical Name	EC No.	CAS-No	Weight %
Methyl Green, zinc chloride	230-415-4	7114-03-6	90%

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4. ----- FIRST-AID MEASURES-----**General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water for 15min. Consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5. ----- FIRE FIGHTING MEASURES -----

Info: wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH & full PPE. Irritating & highly toxic gases may be generated by thermal decomp/combustion. Runoff from fire control or dilution water may cause pollution.

Extinguishing: Use dry chemical, CO₂, water spray or alcohol resistant foam.

Haz: Carbon, zinc, & nitrogen oxides, hydrogen chloride gas, hydrogen bromide gas

Flash Pt: N/A

Auto-ignition

Temp: Not available.

Explosion Limits: N/a

SECTION 6. ----- ACCIDENTAL RELEASE MEASURES-----**Personal precautions**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

SECTION 7. ----- HANDLING AND STORAGE -----**Precautions for safe handling**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place.

Storage class (TRGS 510): 13: Non Combustible Solids

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8. ----- EXPOSURE CONTROLS/PERSONAL PROTECTION -----**Exposure controls****Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment**Respiratory protection**

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Skin and Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye and Face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Body protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Control of environmental exposure

Do not let product enter drains.

SECTION 9. ----- PHYSICAL AND CHEMICAL PROPERTIES -----

Appearance

Form	crystalline
Colour	light grey

Safety data

pH	No data available
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Melting	Red-Brown Powder. Melting Pt: >300°C (>572°F).
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Boiling point	No data available
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Flash point	No data available
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Ignition temperature	no data available
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Auto-ignition temperature	no data available
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Lower explosion limit	no data available
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Upper explosion limit	no data available
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Vapour pressure	No data available
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Vapour Density	no data available
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Relative density	No data available
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Water solubility	No data available
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Decomposition Temperature	No data available
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Partition coefficient: n-octanol/water	No data available
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Relative vapour density	No data available
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Odour	no data available
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Odour Threshold	no data available
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Evaporation rate	no data available
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Other safety information

No data available

SECTION 10. -----STABILITY AND REACTIVITY -----

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

no data available

Conditions to avoid

No data available

Incompatible materials

Oxidizing agents

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides

Other decomposition products - No data available

In the event of fire: see section 5

SECTION 11. ----- TOXICOLOGICAL INFORMATION -----

Acute toxicity

Oral LD50

LD50 Oral - Rat - 600 mg/kg

Inhalation LC50

no data available

Dermal LD50

no data available

Other information on acute toxicity

no data available

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

no data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

Reproductive toxicity

No data available

Teratogenicity

no data available

Specific target organ toxicity - single exposure (Globally Harmonized System)

Inhalation - May cause respiratory irritation.

Specific target organ toxicity - repeated exposure (Globally Harmonized System)

no data available

Aspiration hazard

no data available

Synergistic effects

no data available

Additional Information

RTECS: AI9659000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12. ----- ECOLOGICAL INFORMATION -----

Toxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

no data available

Mobility in soil

no data available

PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects

No data available

SECTION 13. ----- DISPOSAL CONSIDERATIONS -----

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed

professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of as unused product.

SECTION 14. ----- TRANSPORT INFORMATION -----

DOT (US)

Not regulated. Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

Further information

Not classified as dangerous in the meaning of transport regulations.

SECTION 15. ----- REGULATORY INFORMATION -----

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

SECTION 16. ----- OTHER INFORMATION -----

Further information: no limited for paper copy, just for internal uses.

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

Disclaimer

The information provided on this MSDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

Issuing Date: 6-Sept-2022

End of SDS