

MALACHITE GREEN BROTH

SECTION 1: PRODUCT IDENTIFICATION

Product Name: MALACHITE GREEN BROTH

Product Code: CM 21137

REACH Registration Number: This product is a mixture. The REACH registration number is not available for this mixture

Relevant identified uses : Laboratory Chemicals, Analytical Purpose, Biochemical Analysis For InVitro Diagnostic Use

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

CLP Classification-Regulation (EC) No. 1272/2008[EU-GHS/CLP]

Not a hazardous substance or mixture according to Regulation (EC) No.1272/2008.

Label elements

Labeling according to Regulation (EC) No.1272/2008

The product does not need to be labelled in accordance with EC directives or respective national laws.

Other hazards

None

SECTION 3: COMPOSITION /INFORMATION ON INGREDIENTS

Mixture

Component	Classification	Concentration
Malachite green oxalate		
CAS No. : 2437-29-8	As Per EC Regulation 1272/2008 Acute Tox.oral 4; Eye Dam. 1; Repr. 2; Aquatic Acute 1; Aquatic Chronic 1 H302; H318; H361d; H400; H410	>=0.1 - <=1.0%

SECTION 4: FIRST AID MEASURES

Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

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. Consult a physician.

In case of eye contact

Rinse immediately with plenty of water for at least 15 minutes. 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

No data available.

Indication of immediate medical attention and special treatment needed

No data available



SECTION 5: FIRE FIGHTING MEASURES**Extinguishing media****Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media

No data available.

Special hazards arising from the substance or mixture

Carbon oxides, Hydrogen chloride gas, Sodium oxides

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

Nodataavailable

SECTION 6: ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up

Soak up with inert adsorbent material and dispose of as hazardous waste. 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 inhalation of vapour or mist. Normal measures for preventive fire protection.

Conditions for safe storage, including any incompatibilities Store in cool place. 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.

Recommended Storage Temperature: On receipt store between 10-25°C

Specific end uses

Apart from the uses mentioned in section 1, no other specific uses are stipulated.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters**

Components with workplace control parameters

Exposure controls**Appropriate engineering controls**

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the products.

Personal protective equipment**Hygiene measure**

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with the product.

Eye/face protection

Tightly fitting safety goggles; Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).



Skin 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 contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

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.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Environment exposure controls

Do not empty into drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

a) Appearance	: Light yellow to greenish yellow coloured
b) Odour	: granular medium
c) Odour Threshold	: No data available
d) pH	: 6.80 - 7.20
e) Melting point/freezing point	: No data available
f) Initial boiling point and boiling range	: No data available
g) Flash point	: No data available
h) Evaporation rate	: No data available
i) Flammability (solid, gas)	: No data available
j) Upper/lower flammability or explosive limits	: No data available
k) Vapour pressure	: No data available
l) Vapour density	: No data available
m) Relative density	: No data available
n) Water solubility	: No data available
o) Partition coefficient octanol/water	: No data available
p) Auto-ignition temperature	: No data available
q) Decomposition temperature	: No data available
r) Viscosity	: No data available
s) Explosive properties	: No data available
t) Oxidizing properties	: No data available

Other safety information

Nodataavailable

SECTION 10: STABILITY AND REACTIVITY DATA

Reactivity:Nodataavailable

Chemical stability:Nodataavailable.

Possibility of hazardous reactions: No dataavailable

Conditions to avoid:Nodataavailable

Incompatible materials: No data available

Hazardous decomposition products: Refer Section 5 .

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects**Acutetoxicity:** No data available**Skin corrosion/irritation:** Nodataavailable**Serious eye damage/eye irritation:** No data available**Respiratory or skin sensitization:** No data available**Germ cell mutagenicity:** Nodataavailable**Carcinogenicity:**

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

Reproductive toxicity: No dataavailable**Specific target organ toxicity- single exposure:** No data available**Aspiration hazard:** Nodata available**Potential Health****Effects Inhalation:** REFER SECTION 2**Skin:** REFER SECTION 2**Eyes:**REFER SECTION 2**Ingestion:** REFER SECTION 2**Additional Information:** RTECS: Not available**Components****Potassium nitrate**

Acute oral toxicity

Rat LD50: 3,750 mg/kg

(As per IUCLID)

Acute Dermal Toxicity

Rat LD50 : > 5000 mg/kg

(As per OECD Test Guideline 402)

Material Safety Data Sheet

Acute inhalation toxicity

Rat LC50 : > 0.527 mg/L ; 4 h

(As per OECD Test Guideline 403)

Additional Information

RTECS:TT370000

SECTION 12: ECOLOGICAL INFORMATION**Toxicity**

Nodataavailable

Components**Potassium nitrate**

Toxicity to Fish

Bluegill (*Lepomis macrochirus*)LC50 :420 mg/kg;96 h.Western mosquitofish (*Gambusia affinis*) LC 50 :62 mg/kg ; 96h.*Poecilia reticulata* (guppy)LC50 :191 mg/l; 96 h

Toxicity to daphnia and other aquatic invertebrates

Daphnia magna (Water flea)EC50 : 490 mg/l; 48 h

(As per IUCLID)

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil**Result of PBT and vPvB assessment**

No data available



This preparation contains no substance considered to be persistent, bioaccumulating or toxic (PBT) at levels of 0.1% or higher.

Other adverse effects

No data available

SECTION 13: DISPOSAL CONSIDERATION**Waste treatments methods****Product**

Offer surplus and non-recyclable solutions to a licenced company. Contact a licenced professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of as unused product

SECTION 14: TRANSPORT INFORMATION**UN - No**

ADNR : ADR : IATA_C : IATA_P : IMDG : RID :

UN proper shipping name

ADNR	:	Not dangerous goods
ADR	:	Not dangerous goods
IATA_C	:	Not dangerous goods
IATA_P	:	Not dangerous goods
IMDG	:	Not dangerous goods
RID	:	Not dangerous goods

Transport hazard class(es)

ADNR : - ADR : - IATA_C : - IATA_P : - IMDG : - RID : -

Packaging group

ADNR : ADR : IATA_C : IATA_P : IMDG : RID :

Environmental hazards

ADNR : No ADR : No IMDG : Marine Pollutant No IATA_C : No IATA_P : No RID : No

Special precautions for use No data available

