



MATERIAL SAFETY DATA SHEETS

468

Paris green

1. CHEMICAL IDENTITY

Chemical Name : Paris green

Chemical Classification: Toxic

Trade Name :

Synonyms: Copper acetoarsenite, Cupric acetoarsenite, (Acetato)trimetaarsenitodicopper, Emerald green, C.I. pigment green 21

Formula : C₄H₆As₆Cu₄O₁₆

CAS No: 12002-03-8

UN No: 1585

Regulated Identification

Shipping Name : Copper acetoarsenite

Hazchem Code : 2Z

Codes / Label : Class 6.1, Toxic

Hazardous Waste ID No :

HAZARDOUS INGREDIENTS	C.A.S. No.	HAZARDOUS INGREDIENTS	C.A.S. No.
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1 Paris green

12002-03-8

3

2

4

2. PHYSICAL / CHEMICAL DATA

Boiling Pt. °C: Decomposes **Physical State:** Solid

Appearance: Emerald green, crystalline powder

Melting Pt °C: >345

Vapour Pressure @ 35°C mmHg:

Odour: Odourless

Vapour Density(Air =1):

Solubility in water at 30°C g/100ml: Insoluble

Others: Soluble in acids; insoluble in alcohol.

Specific Gravity (Water =1): >1.1g/cm³ at 20 deg C

pH :

3. FIRE / EXPLOSION HAZARD DATA

Flammability :

LEL:

Flash Point °C in OC:

TDG Flammability:

UEL:

Flash Point °C in CC:

Autoignition Temperature °C :

Explosion sensitivity to impact:

Explosion sensitivity to static Electricity:

Hazardous Combustion Products : Volatile arsenic oxide may be formed in fires.

Hazardous Polymerization :

Combustible Liquid:

Explosive Material:

Corrosive Material

Flammable Material:

Oxidiser :

Others:

Pyrophoric Material:

Organic Peroxide :

4. REACTIVITY DATA

Chemical Stability : Stable to air, light.

Incompatibility with other material : Unstable in acids, bases, and with hydrogen sulfide

Reactivity :

Hazardous Reaction Products : Emits highly toxic arsenic fumes on contact with acid or acid fumes, and in elevated temperatures.

5. HEALTH HAZARD DATA

Routes of entry: Inhalation, Ingestion, Skin and Eyes

Effects of Exposure / Symptoms:

Inhalation : Upper respiratory tract irritation and hoarse voice may result. Acute respiratory failure was seen in a patient with severe arsenic poisoning. Pulmonary edema may occur and be life-threatening. Adult respiratory distress syndrome (ARDS) has been reported. **Ingestion :**

Early symptoms within hours following arsenic ingestion include abdominal pain, vomiting, profuse bloody or watery (rice-water-like) diarrhea, pain in the extremities and muscles, weakness, and flushing of the skin. **Skin :** Avoid any skin contact. See Inhalation. **Eye :**

Inflammation of the eye, photophobia, dimness of vision, diplopia, and tearing may occur. A garlic-like odor may be detected on the breath.

Emergency Treatment :

Inhalation: Move victim to fresh air. Apply artificial respiration if victim is not breathing. Do not use mouth-to-mouth method

Skin: Remove and isolate contaminated clothing and shoes. Remove material from skin immediately. Immediately flush with running water for at least 20 minutes. For minor skin contact, avoid spreading material on unaffected skin.

Eyes: Immediately flush with running water for at least 20 minutes.

Ingestion: Gastric decontamination - aggressive decontamination with gastric lavage is recommended. Activated charcoal: administer charcoal as a slurry (240 ml water/30 g charcoal). Usual dose: 25 to 100 g in adults/adolescents.

LD50 (oral-rat) mg/kg: 22 mg/kg	STEL:
LC50 (rat) mg/kg:	Odour Threshold:
Permissible Exposure Limit:	TLV (ACGIH) : 0.2 mg/m ³

NFPA Hazard	Health	Flammability	Reactivity	Special
Signals		1	0	

6. PREVENTIVE MEASURES

Personal Protective : Wear appropriate protective gloves, clothing and goggles.

Equipment

Handling : All chemicals should be considered hazardous. Avoid direct physical contact. Use appropriate, approved safety equipment. Untrained individuals should not handle this chemical or its container. Handling should occur in a chemical fume hood.

Storage : Tightly closed containers. Keep away from heat and water.

Precautions :

7. EMERGENCY / FIRST AID MEASURES

FIRE:

Fire Extinguishing Media :

Special Procedure :

Unusual Hazards : Poisonous, volatile arsenic oxide may be formed in fires. Exposure of dust to flame may cause explosion.

EXPOSURE: First Aid Measures:

Inhalation: Move victim to fresh air. Apply artificial respiration if victim is not breathing. Do not use mouth-to-mouth method

Skin: Remove and isolate contaminated clothing and shoes. Remove material from skin

immediately. Immediately flush with running water for at least 20 minutes. For minor skin contact, avoid spreading material on unaffected skin.

Eyes: Immediately flush with running water for at least 20 minutes.

Ingestion: Gastric decontamination - aggressive decontamination with gastric lavage is recommended. Activated charcoal: administer charcoal as a slurry (240 ml water/30 g charcoal). Usual dose: 25 to 100 g in adults/adolescents.

Antidotes / Dosages:

SPILLS :

Steps To Be Taken : Keep material out of water sources. Land spill: Dig a pit, lagoon, holding area to contain liquid or solid material. Cover solids with a plastic sheet to prevent dissolving in rain or fire fighting water. Water spill: Neutralize with CaO, CaCO₃, or NaHCO₃.

Waste Disposal Method:

8. ADDITIONAL INFORMATION / REFERENCES

9. MANUFACTURERS / SUPPLIERS DATA

NAME OF FIRM :	Contact person
MAILING ADDRESS :	in Emergency :
TELEPHONE / TELEX NOS :	Local Bodies involved :
TELEGRAPHIC ADDRESS :	Standard Packing :
OTHERS :	Trem Card Details / Ref :

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