

AERCHEM INC.
320 North Walnut
Bloomington, IN 47404

Tel: 812.334.9996 Fax: 812.334.1960 Emergency: 800.424.9300

SECTION 1: IDENTIFICATION

Effective Date: 04/23/97

Product Name: Copper Sulfate Pentahydrate

Molecular Formula: CuSO₄.5H₂O

CAS No.: 7758-99-8

SECTION 2: HAZARDOUS INGREDIENTS:

none

SECTION 3: PHYSICAL DATA

Odor: none

Appearance: Blue crystals or granules

Melting point.: N/A

Boiling point: 653 degrees C

pH (depends on quality): 4.0

Solubility in water: >10%

Specific gravity (water = 1) 2.28

Vapor density: N/A

Vapor pressure:N/A

SECTION 4: FIRE AND EXPLOSION DATA

Flash point: N/A

Flammable limit: N/A

Flammability: N/A

Extinguishing media: Use methods for the surrounding fire.

Fire fighting procedures: Firefighters should wear full protective clothing including self contained breathing apparatus

Unusual fire hazards: May produce irritating copper fumes and toxic gaseous oxides.

SECTION 5: REACTIVITY DATA

Stable X Unstable

Decomposition byproducts:

Incompatibilities/Condition to Avoid:

Hazardous Polymerization:

SECTION 6: HEALTH HAZARD DATA

Toxicity:

Route of Entry:

Permissible Exposure limits:

TWA:

TLV:

SECTION 7: SPILLAGE AND DISPOSAL PROCEDURES

Spillage:

Disposal:

SECTION 8: FIRST AID PROCEDURES

Eye Contact:

Skin Contact:

Inhalation:

Ingestion:

SECTION 9: HANDLING AND STORAGE INFORMATION:

SECTION 10: SPECIAL PROTECTION INFORMATION:

Ventilation:

Skin Protection:

Eye Protection:

Respiratory Protection:

Other:

AERCHEM INC.
320 North Walnut
Bloomington, IN 47404

Tel: 812.334.9996 Fax: 812.334.1960 Emergency: 800.424.9300

SECTION 11: TRANSPORT INFORMATION

DOT Classification:

SECTION 12: OTHER REGULATORY INFORMATION

Federal and State regulations:

WHMIS (Canada):

DSCL (EEC):

HMIS (USA):