

Material Safety Data Sheet

Revision Date 18-Sep-2012

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code CW1488
Product name 800°F Temperature Crayon
Recommended Use Marker
Supplier Cronatron, A Lawson Brand
 Lawson Products, Inc.
 8770 W.Bryn Mawr Ave.- Suite 900
 Chicago, IL 60631
 1-866-529-7664
Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview

Vapors may be irritating to eyes, nose, throat, and lungs.

Aggravated Medical Conditions

Pre-existing skin conditions may be aggravated by exposure to this product.

Principal Routes of Exposure

Skin. Eyes. Inhalation.

Potential health effects

Eyes May cause slight irritation.
Skin Substance may cause slight skin irritation.
 Repeated or prolonged exposure may cause:
 Allergic reaction . Redness. Inflammation.
Inhalation May cause the following effects. Nasal irritation.
Ingestion Not likely to occur. Swallowing substance may
 cause the following effects:. Nausea. Vomiting.
 Stomach distress.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Potassium Molybdate	13446-49-6	45-50
Molybdenum trioxide	1313-27-5	20-25
Sodium Molybdate	7631-95-0	10-15
Sodium Sulfate	7757-82-6	10-15

4. FIRST AID MEASURES

Eye contact Keep eye wide open while rinsing. Flush with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.
Skin contact Wash off immediately with soap and plenty of water. Remove contaminated clothing. Seek medical attention if irritation persists.
Ingestion Call a physician or Poison Control Center immediately.
Inhalation Remove to fresh air. Provide oxygen or artificial respiration if necessary.
Notes to physician Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flash point °C Not Applicable
Flash point °F Not Applicable
Method No information available
Autoignition temperature °C No data available
Autoignition temperature °F No data available
Flammability Limits (% in Air)
Upper No data available
Lower No data available

Suitable extinguishing media

Water spray. Foam. Halons. Carbon dioxide. Dry chemical. ABC-type fire extinguisher .

Special protective equipment for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Special Fire-Fighting Procedures

Do not release run-off from fire control methods to sewers or waterways .

Specific hazards

Thermal degradation may produce irritating or poisonous gases .

Sensitivity to shock

No information available.

Sensitivity to static discharge

No information available.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up

Prevent product from entering drains. Personnel should wear appropriate protective equipment. Follow all precautions for handling. Please refer to appropriate sections of MSDS for additional information. Collect and contain for disposal. Clean area with detergent and water after spill removal.

Product code **CW1488**Product name **800°F
Temperature Crayon****7. HANDLING AND STORAGE****Handling**

Use normal safe handling procedures. Use only according to label directions. Do not breathe vapours/dust. Keep away from incompatible materials.

Storage

Keep away from direct sunlight. Keep away from open flames, hot surfaces and sources of ignition. Do not freeze. Keep in properly labelled containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Potassium Molybdate	-	-	-	-
Molybdenum trioxide	-	-	-	-
Sodium Sulfate	-	-	-	-
Sodium Molybdate	-	-	-	-

Ventilation and Environmental Controls

Normal ventilation is adequate.

Hygiene measures

Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke.

Respiratory protection

None necessary under normal conditions. Use NIOSH approved respirator if TLV limit is exceeded.

Hand Protection

Neoprene gloves.

Eye protection

Safety glasses.

Skin and body protection

None necessary under normal conditions

Other Protective Equipment

A safety shower and eye wash station should be available for emergency use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Solid
Color	Green
Odor	None
Odor Threshold	No information available
pH	Not Applicable
Specific Gravity	No data available
Vapor pressure	Not Applicable
Vapor density	Not Applicable

Evaporation Rate

Not Applicable

Water solubility

Slightly soluble

Partition Coefficient (n-octanol/water)

Not Applicable

Boiling point/range °C

Not Applicable

Boiling point/range °F

Not Applicable

Melting point/range °C

Not Applicable

Melting point/range °F

Not Applicable

Flash point °C

Not Applicable

Flash point °F

Not Applicable

10. STABILITY AND REACTIVITY**Stability**

Stable.

Conditions to avoid

Avoid extreme temperatures. Do not store or use near incompatible materials.

Incompatibility

Strong oxidizers. Alkalies.

Hazardous Decomposition Products

Carbon dioxide. Carbon monoxide.

Polymerization

Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION**Component Information**

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
Potassium Molybdate 13446-49-6	-	-	-
Molybdenum trioxide 1313-27-5	2689 mg/kg	2 g/kg	5840 mg/m ³
Sodium Sulfate 7757-82-6	10000 mg/kg	-	-
Sodium Molybdate 7631-95-0	4 g/kg	-	2080 mg/m ³

Synergistic Products

None known

Potential health effects**Sensitization**

May cause sensitization of susceptible persons..

Chronic toxicity

See Section 2 .

Mutagenic effects

None known .

Teratogenic effects

None known .

Product code **CW1488**Product name **800°F
Temperature Crayon****Reproductive toxicity** None known .**Target Organ Effects** Skin.**Carcinogenic effects** See table below

Chemical Name	ACGIH OEL - Carcinoge ns	IARC	NTP - Known Carcinoge ns	NTP - Suspected Human Carcinoge ns	OSHA RTK Carcinoge ns
Potassium Molybdate	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Molybdenum trioxide	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Sodium Sulfate	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Sodium Molybdate	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATIONSodium Sulfate**Water Flea Data***Daphnia magna* EC50=2564 mg/L (48 h)*Daphnia magna* EC50=630 mg/L (96 h)**13. DISPOSAL CONSIDERATIONS****Waste from residues / unused products**

Dispose in accordance with federal, state, and local regulations.

14. TRANSPORTATION INFORMATION**DOT**

Not Regulated.

TDG

Not Regulated

15. REGULATORY INFORMATION

Chemical Name	US EPA SARA 313 Emission Reporting
Molybdenum trioxide	Listed

State Regulations

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Potassium Molybdate	Not Listed	Not Listed	Not Listed
Molybdenum trioxide	Listed Listed	Listed	Not Listed
Sodium Sulfate	Not Listed	Listed	Not Listed

Sodium Molybdate	Not Listed	Not Listed	Not Listed
------------------	------------	------------	------------

International Inventories

Chemical Name	EINECS	DSL	NDSL	TSCA
Potassium Molybdate	X	-	X	X
Molybdenum trioxide	X	X	-	X
Sodium Sulfate	X	X	-	X
Sodium Molybdate	X	X	-	X

CPR

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations

16. OTHER INFORMATION**NFPA****Health - 2****Flammability - 1****Reactivity - 0****HMIS****Health - 2****Flammability - 1****Physical Hazard - 0****Prepared By**V. Shargorodsky, Regulatory Affairs
Engineer

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.