cc: Dave Kennedy
11-16-84

Material Data File Copy

MAINTENANCE DEPT.
RECEIVED
NOV 7 1984
CITY SCHOOL DISTRICT
CITY OF SYRACUSE, NEW YORK

Lucille/Carl

DEARBORN CHEMICAL COMPANY

Subsidiary of W.R. GRACE & CO.

November 2, 1984

Syracuse Schools Service Center
214 Park St.
Syracuse, NY 13204

Attention: Mr. Carl Verzillo

Lead from Maintenance Nov. 1984.

Dear Mr. Verzillo:

I have been requested to furnish you Material Safety Data Sheets for the following Dearborn products:

DEARBORN 566

STOP-PIT

Please let us know if additional information is needed concerning any of these products.

Sincerely,

Jean Surprenant

Jean Surprenant
Product Registration Assistant

js
Encls.

cc: W. Gawrecki
D. Entz

Form G-1 4/78

Baileu/Air Cond

MATERIAL SAFETY DATA SHEET

Section 1 – PRODUCT IDENTIFICATION

MANUFACTURER'S NAME	EMERGENCY PHONE NO.
DEARBORN CHEMICAL CO., Subsidiary, W. R. Grace & Co.	312/438-8241

ADDRESS: 300 Genesee St., Lake Zurich, IL 60047

CHEMICAL NAME AND SYNONYMS	TRADE NAME OR CODE IDENT.
Cooling Water Treatment	DEARBORN® 566

Section 2 – INGREDIENTS

	CAS No.	%	EXPOSURE CRITERIA
Sodium dichromate dihydrate	7789-12-0	< 30.0	TWA: 0.05mg/m^3 (as Cr)
Potassium hydroxide	1310-58-3	< 17.0	TWA: 2 mg/m^3

Section 3 – PHYSICAL DATA

BOILING POINT, 760mm Hg approx.	212° F.	MELTING POINT	N/A
SPECIFIC GRAVITY (H_2O = 1)	1.35	VAPOR PRESSURE @25°C Approx	15 mm Hg
VAPOR DENSITY (AIR = 1)	N/K	SOLUBILITY IN H_2O, % BY WT.	appreciable
% VOLATILES BY VOLUME	N/K	EVAPORATION RATE, _____ = 1	N/K
APPEARANCE AND ODOR	yellow liquid with no specific odor	pH	12.1

Section 4 – FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (and Method Used)	FLAMMABLE LIMITS in AIR, % by VOLUME LOWER	UPPER	AUTO IGNITION TEMPERATURE
None			

EXTINGUISHING MEDIA: ☐ Water Fog ☐ Foam ☐ CO_2 ☐ Dry Chemical ☐ Other

SPECIAL FIRE FIGHTING PROCEDURES: N/A

UNUSUAL FIRE AND EXPLOSION HAZARD: N/A

Section 5 – REACTIVITY DATA

STABILITY (Normal Conditions)	CONDITIONS TO AVOID
☒ Stable ☐ Unstable	Direct contact with strong acids

INCOMPATIBILITY (Materials to Avoid): Reducing agents and oxidizable materials.

HAZARDOUS DECOMPOSITION PRODUCTS:

HAZARDOUS POLYMERIZATION	CONDITIONS TO AVOID
☐ May Occur ☒ Will Not Occur	

(over)

Section 6 – HEALTH HAZARD INFORMATION

EXPOSURE LIMIT Acute oral LD_{50} 105 mg/kg (rat)
Acute dermal LD_{50} < 200 mg/kg (guinea pig) } for chromate ingredient
Maintain TLV within limits (Section 2) or wear protective dust mask.

EFFECTS OF OVEREXPOSURE

INHALATION Inhalation of chromate dusts or mists may cause irritation of the nasal septum and respiratory system. Prolonged or repeated exposure may cause ulceration and perforation of the nasal septum. Remove to fresh air. Use respirator mask.

INGESTION Can be harmful or fatal. Toxic effects may not appear at once. Systemic poisoning of kidneys, liver and gastro-intestinal tract may occur. Drink large amount of water or milk if available. Induce vomiting by sticking finger down throat. Contact physician at once.

SKIN OR EYE CONTACT Contact with broken skin can cause chrome sores. Product may cause skin sensitization. Eye contact can cause severe irritation or damage. Wash skin with soap and water. Flush eyes at once with clear water. If irritation occurs, contact physician. Remove contaminated clothing and wash before reuse.

EMERGENCY AND FIRST AID PROCEDURES Use first aid recommendations above, including good hygiene practices, then obtain medical attention immediately if exposure occurs.

Section 7 – SPECIAL PROTECTION INFORMATION

VENTILATION REQUIREMENTS Mechanical is adequate for normal use.

RESPIRATORY PROTECTION (Specify Type) Use adequate respirator for dusting or mist. 3M # 8710 or equal has been suggested for similar use. For some exposures a NIOSH self-contained supplied air respirator may be employed.

EYE PROTECTION
Goggles or face shield

GLOVES (Specify Type)
Rubber or plastic

OTHER PROTECTIVE CLOTHING AND EQUIPMENT (Specify Type) If large amounts of chromate products are handled, use covering for arms and legs, apron and boots. Change clothing daily.

Section 8 – SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED Collect spills with industrial absorbent and dispose using chemical scavenger service. Do not allow discharge directly to open waterways unless chromate removal treatment is employed.

WASTE DISPOSAL METHOD Use sodium bisulfite, sodium sulfite or similar reducing chemical to reduce hexavalent to trivalent form. Neutralize with soda ash, caustic or lime (pH 7.5) to precipitate. Dispose in approved landfill according to local regulations.

Section 9 – SPECIAL PRECAUTIONS This product is an EPA Hazardous Waste D-007 (untreated).

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE Vent drums before removing bung to release pressure and prevent sprays. For industrial use only. Keep container closed when not in use.

OTHER PRECAUTIONS Avoid dried chromate solution dust. Freeze point -11°F. Stay away from oxidizable materials and strong acids.

Shipping Name: DOT Alkaline Corrosive Liquid, N.O.S. NA 1719
IATA

Prepared By W. M. Morris

Date: (Rev. 5/84) Rev. 6/84