Oakite® MATERIAL SAFETY DATA SHEET

PRODUCT CODE: 3645
OAKITE CRYSCOAT OC
27-ZB-37

HMIS 3 0 1 J

SECTION I - PRODUCT IDENTIFICATION

TRADE NAME	OAKITE CRYSCOAT OC
CHEMICAL NAME AND SYNONYMS	NA; Mixture.
MANUFACTURER'S NAME AND TELEPHONE NO.	OAKITE PRODUCTS INC. (908) 464-6900 (8am-5pm)
ADDRESS	50 Valley Road Berkeley Heights NJ 07922
DATE OF PREPARATION	06-08-93

EMERGENCY TELEPHONE NUMBER:
(800) 424-9300 (CHEMTREC)

SECTION II - HAZARDOUS INGREDIENTS

	CAS NO.	% BY WT	ACGIH TLV (TWA)	OSHA PEL (TWA)	UNITS
Nickel nitrate(+) -(soluble compounds, as Ni)	0013138459	<5	0.1	1	mg/m^3
Phosphoric acid(+)	0007664382	<10	1	1	mg/m^3
Zinc nitrate(+)	0007779886	20-30	NE	NE	
Zinc dihydrogen phosphate(+)	0013598373	20-30	NE	NE	
Non-hazardous ingredients		Bal.			

Unidentified ingredients are considered not hazardous under Federal Hazard Communication Standard (29 CFR 1910.1200).

All component of this material are on the US TSCA Inventory.

(+) This product contains ingredient(s) identified in Section II with (+) which are subject to the reporting requirements of section 313 of SARA Title III and 40 CFR 372.

SECTION III - PHYSICAL DATA

NA - Not Applicable **NE - Not Established**

Oakite® MATERIAL SAFETY DATA SHEET

BOILING POINT (F)	NE	SPECIFIC GRAVITY (H20=1)	1.603
VAPOR PRESSURE (mm Hg)	NE	Bulk Density	13.39 lb/gal
VAPOR DENSITY (Air=1)	>1	PERCENT VOLATILE	
SOLUBILITY IN WATER	Complete	BY WEIGHT(%) Excludes H2O	0
EVAPORATION RATE (BuAc=1)	>1	PH 2.5% by volume	1.2
APPEARANCE AND ODOR	Green liquid; slightly acrid odor.	Concentrate	<1

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used): None
FLAMMABLE LIMITS: LEL: NA UEL: NA

EXTINGUISHING MEDIA: Use media suitable for surrounding materials.

SPECIAL FIRE FIGHTING PROCEDURES: Use water spray to cool fire-exposed containers. Wear Self-Contained Breathing Apparatus (SCBA).

UNUSUAL FIRE AND EXPLOSION HAZARDS: May have oxidizing properties, therefore, fire risk on contact with combustible materials.

SECTION V - HEALTH HAZARD INFORMATION

ROUTE(S) OF ENTRY:	INHALATION:	SKIN:	INGESTION:
	X	X	X

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.
SYMPTOMS/EFFECTS OF OVEREXPOSURE:
Inhalation of mist may cause respiratory irritation with coughing, sneezing, salivation and difficult breathing. Severe exposures may lead to chemical pneumonitis. Skin irritation or severe burns; BURNING SENSATION MAY BE DELAYED. Chronic exposure may produce skin allergies in hypersensitive individuals. Eye contact causes severe or permanent damage. Nickel has been shown to cause cancer in laboratory animals (IARC, NTP).

FIRST AID

EYES: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get prompt medical attention.

NA - Not Applicable **NE - Not Established**

Oakite® MATERIAL SAFETY DATA SHEET

SKIN: Immediately remove contaminated clothing. Wash skin with large amounts of water for at least 15 minutes. Get prompt medical attention. Wash clothing before reuse.

INGESTION: Contact local poison control center or physician IMMEDIATELY!

INHALATION: Move victim to fresh air and restore breathing if necessary. Stay with victim until emergency medical help arrives.

SECTION VI - REACTIVITY DATA

STABILITY: NORMALLY STABLE
Avoid direct sunlight.

INCOMPATIBLE MATERIALS: Alkalies, Combustibles. Contact with certain metals may yield explosive hydrogen gas.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen, Phosphorous oxides, Nitrogen dioxide.

SECTION VII - SPILL OR LEAK PROCEDURES

PROCEDURES: Wear personal protective equipment (See Section VIII). Remove all heat and ignition sources. Ventilate area. Neutralize with soda ash or lime. Clean up with noncombustible absorbant material.

WASTE DISPOSAL METHOD: Dispose of in accordance with Local State and Federal regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY: If TLV is exceeded, or for symptoms of overexposure, wear a NIOSH-approved dust/mist respirator.

EYEWEAR: If splash potential exists wear chemical splash goggles or faceshield.

CLOTHING/GLOVES: If potential for skin contact exists, wear neoprene or other chemical resistant gloves and apron or coveralls and/or foot coverings, as needed.

VENTILATION: Local exhaust may be necessary for some handling/use conditions. Specific needs should be addressed by supervisory or health/safety personnel.

NA - Not Applicable **NE - Not Established**

Oakite® MATERIAL SAFETY DATA SHEET

SECTION IX - SPECIAL PRECAUTIONS

CORROSIVE. Store in closed container in well-ventilated area. NOTE:IF DILUTING (OR DISSOLVING) ALWAYS ADD THIS PRODUCT TO WATER SLOWLY AND WITH CONSTANT STIRRING. Do not add this product to chlorine-releasing materials. NOTE: This product contains nitrates, which are oxidizers. Do not allow product or solution to evaporate to dryness.

APPROVAL: Michael Chang Mgr.Health & Environmental Dept. 02/28/1994

NAME	TITLE	DATE OF PRINTING

Oakite Products, Inc. warrants that the product or products described herein will conform with its published specifications. The products supplied by Oakite and information related to them are intended for use by buyers having necessary industrial skill and knowledge. Buyers should undertake sufficient verification and testing to determine the suitable of the Oakite materials for their own particular purpose. Since buyer's conditions of use of products are beyond Oakite's control, Oakite does not warrant any reconmmendations and information for the use of such products. OAKITE DISCLAIMS ALL OTHER WARRANTIES INCLUDING THE IMPLEID WARRANTY OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE IN CONNECTION WITH USE OF ITS PRODUCTS.

NA - Not Applicable

NE - Not Established