WITCO MATERIAL SAFETY DATA SHEET

IRIDITE 18-OD

Industrial Hygiene
FEB 21 1989

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Product Code: 22005

DPM 2298-1

DIVISION AND LOCATION---SECTION I

Division: ALLIED-KELITE
Location: NEW HUDSON, MI
29111 MILFORD RD., NEW HUDSON, MI 48165
Emergency Telephone Number: (313) 437-3161
Transportation Emergency: CHEM TREC 1-(800) 424-9300 (U.S. and Canada)

CHEMICAL AND PHYSICAL PROPERTIES---SECTION II

Chemical Name:
~~chromic acid solution~~ sodium dichromate solution
Formula: proprietary
Hazardous Decomposition Products:
none
Incompatibility (Keep away from):
Combustible organic materials, oxidizable materials, paper, wood, sulfur, some plastics.
Keep away from direct heat and sunlight
Toxic and Hazardous Ingredients:
~~sodium dichromate~~
see Section IX comments Nitric Acid

	CAS #	
	7779-12-4	30
	7697-37-2	>.5
Zinc Nitrate	7779-88-6	10-15

Form: liquid
Odor: pungent
Appearance: clear
Color: orange
Specific Gravity (water=1): 1.32
Boiling Point: greater than 100°C (212°F)
Melting Point: not applicable
Solubility in Water (by weight %): 100 at 20°C
Volatile (by weight %): no data available
Evaporation Rate: no data available
Vapor Pressure (mm Hg at 20°C): no data available
Vapor Density (air=1): no data available
pH (as is): less than 1
Stability: Product is stable under normal conditions
Viscosity SUS at 100°F: no data available

FIRE AND EXPLOSION DATA---SECTION III

Special Fire Fighting Procedures:
none
Unusual Fire and Explosion Hazards:
Spontaneous combustion may occur upon contact with alcohols, ketones and other organic compounds.
Flashpoint: not applicable
Flammable limits %: not applicable
Extinguishing agents:
Closed containers exposed to fire may be cooled with water.

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0/0

Zinc Nitrate 7779-88-6
(GS 2/20/89)
Spoke w/C. Milkie

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HEALTH HAZARD DATA --SECTION IV

Permissible concentrations (air):
chromic acid: PEL 0.1 mg/m³ (OSHA)

Chronic effects of overexposure:
Irritation of skin, eyes, mucous membranes, lungs and central nervous system. Can cause delayed reaction and external ulcers on skin.

Acute toxicological properties:
Causes skin and eyes burns on direct contact. Inhalation of mist or vapors causes damage to mucous membranes and respiratory system. Swallowing causes damage to digestive tract.
chromic acid: TXDS: inhale [illegible] (OSHA)

Emergency First Aid Procedures:
Eyes: Immediately flush with large quantities of water on site for 20 to 30 minutes. Hold eyes open while flushing. Call a physician. Continue water flush up to one hour during transport to a medical facility.
Skin Contact: Remove contaminated clothes and flush skin burns with water for at least twenty minutes. If irritation persists, extend the water rinse period from twenty to thirty minutes. Call a physician immediately after adequate rinsing.
Inhalation: Remove victim to fresh air. Call a physician.
If Swallowed: Do NOT induce vomiting. If [illegible] have victim rinse mouth, then drink large amounts of water. Never give anything by mouth to an unconscious person. Call a physician immediately.

SPECIAL PROTECTION INFORMATION --SECTION V

Ventilation Type Required (Local, mechanical, special):
Local if necessary to maintain allowable [illegible] exposure limit) or TLV(threshhold limit value)

Respiratory Protection (Specify type):
If the TLV/PEL of the product or any component is exceeded, use an OSHA approved self contained breathing apparatus.

Protective Gloves:
rubber

Eye Protection:
chemical safety goggles and full face shield

Other Protective Equipment:
rubber apron, rubber boots

HANDLING OF SPILLS OR LEAKS--SECTION VI

Procedures for Clean-Up:
Wear protective clothing and equipment during cleanup. Absorb spills on an inert material such as earth, sand or vermiculite; sweep up and dispose of in accordance with federal, state and local regulations.

Waste Disposal:
Dispose of in accordance with all applicable federal, state and local

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(Section VI continued)

regulations.

SPECIAL PRECAUTIONS---SECTION VII

Precautions to be taken in handling and storage:
Wear protective clothing and equipment while handling.
Wash thoroughly after handling.
Store away from combustible, organic or other readily oxidizable material.

TRANSPORTATION DATA---SECTION VIII

D.O.T.: Regulated Corrosive Liquid NOS (Sodium Dichromate, Nitric Acid
U.S. D.O.T. Proper Shipping Name: ~~Chromic Acid Solution~~
U.S. D.O.T. Hazard Class: Corrosive material
I.D. Number: UN ~~1755~~ 1760
Label(s) Required: Corrosive
Reportable Quantity: not applicable
Freight Classification: 70 Chromic Acid Solution Corrosive Liquid NOS
Special Transportation Notes:
none

COMMENTS---SECTION IX

Do not swallow. Avoid eye and skin contact. Wash thoroughly after handling. Avoid contact with clothing. Wash clothing before reuse. Keep from feed or food products. Keep out of reach of children. Keep containers tightly closed when not in use.
Discard contaminated shoes.
*Chromium and certain chromium compounds are included in The Fourth Annual National Toxicology listing of chemicals known to be carcinogens.

Signature: C. Wilkie
Title: Development Chemist
Original Date: Sent to:
Revision Date: 08/26/87
Supersedes :
Date Sent :

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