

NICHIA CHEMICAL INDUSTRIES, LTD -- NP-1004, PHOSPHOR SCREEN -- 5960-00-480-3490
===== Product Identification =====

Product ID:NP-1004, PHOSPHOR SCREEN
MSDS Date:05/13/1994
FSC:5960
NIIN:00-480-3490
Status Code:A
MSDS Number: CKJXV
=== Responsible Party ===
Company Name:NICHIA CHEMICAL INDUSTRIES, LTD
Box:6 ANAN
City:TOKUSHIMA-KEN 77, JAPAN
Country:JA
Info Phone Num:81-884-22-2311
Emergency Phone Num:81-884-22-2311
CAGE:TO604
=== Contractor Identification ===
Company Name:NICHIA CHEMICAL INDUSTRIES, LTD
Box:6 ANAN
City:TOKUSHIMA-KEN 77, JAPAN
Country:JA
Phone:81-884-22-2311
CAGE:TO604
Company Name:THOMAS ELECTORNICS INC
Address:100 RIVERVIEW DRIVE
Box:City:WAYNE
State:NJ
ZIP:07470-3104
Country:US
Phone:973-696-5200
Contract Num:SP0960-98-D-C035-0003
CAGE:01852

===== Composition/Information on Ingredients =====

Ingred Name:ZINC CADMIUM SULFIDE, (ZN, CD) S
Minimum % Wt:3

0.
Maxumum % Wt:70.

Ingred Name:ZINC SULFIDE
CAS:1314-98-3
Minumum % Wt:30.
Maxumum % Wt:70.

Ingred Name:CADMIUM
CAS:7440-43-9
RTECS #:EU9800000
Minumum % Wt:2.
Maxumum % Wt:11.
OSHA PEL:0.2 MG/M3 TWA
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:COPPER
CAS:7440-50-8
RTECS #:GL5325000
< Wt:.01
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:SILVER
CAS:7440-22-4
RTECS #:VW3500000
< Wt:.02
OSHA PEL:0.01 MG/M3
ACGIH TLV:0.1 MG/M3
EPA Rpt Qty:1
LB
DOT Rpt Qty:1 LB

=====
===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:UNKNOWN IARC:YES OSHA:YES
Health Hazards Acute and Chronic:NON-HAZARDOUS, UNLESS THE TUBE IS
BROKEN. INHALATION- ACUTE EFFECTS ARE UNLIKELY. FRESH CADMIUM OXIDE
FUME CAN CAUSE SEVERE LUNG IRRITATION, CHEST PAIN, HEADACHE,
NAUSEA, CHILLS, DIARRHEA, AND PULMONA RY EDEMA. CHRONIC POISONING
BY CADMIUM M

AY CAUSE KIDNEY DAMAGE. INGESTION- UNLIKELY IN INDUSTRY. SOLUBLE CADMIUM SALTS MAY PRODUCE VOMITING, ABDOMINAL PAINS, DIARRHEA, VERTIGO, AND LOSS OF CONSCIOUSNESS. SKIN OR EYE CONTACT- NONE EXPECTED. PROLONGED SKIN CONTACT MAY RESULT IN DRYING OF NATURAL SKIN OILS.

Explanation of Carcinogenicity:NO INFO ON MSDS. HMIS: CADMIUM AND CADMIUM COMPOUNDS ARE LISTED BY OSHA AND ACGIH AS A2 (PROBABLE) CARCINOGEN.

Effects of Overexposure:INHALATION- ACUTE EFFECTS ARE UNLIKELY. FRESH

CADMIUM OXIDE FUME CAN CAUSE SEVERE LUNG IRRITATION, CHEST PAIN, HEADACHE, NAUSEA, CHILLS, DIARRHEA, AND PULMONARY EDEMA. CHRONIC POISONING BY CADMIUM MAY CAUSE KIDNEY DAMAGE. INGESTION- UNLIKELY IN INDUSTRY. SOLUBLE CADMIUM SALTS MAY PRODUCE VOMITING, ABDOMINAL PAINS, DIARRHEA, VERTIGO, AND LOSS OF CONSCIOUSNESS. SKIN OR EYE CONTACT- NONE EXPECTED. PROLONGED SKIN CONTACT MAY RESULT IN DRYING OF NATURAL SKIN OILS.

=====
===== First Aid Measures =====
=====

First Aid:INHALATION- REMOVE VICTIM TO FRESH AIR. INGESTION- INDUCE VOMITING IF SIGNIFICANT AMOUNTS ARE SWALLOWED. SKIN OR EYE CONTACT- FLUSH AFFECTED AREA WITH PLENTY OF WATER.

=====
===== Fire Fighting Measures =====

Extinguishing Media:NO FIRE HAZARD

Fire Fighting Procedures:IT MAY BURN TO FORM SULFUR DIOXIDE AT HIGH TEMPERATURES. FIRES INVOLVING THIS MATERIAL SHOULD BE FOUGHT USING SELF-CONTAINED BREATHING APPARATUS.

Unusual

Fire/Explosion Hazard:NONE.

=====
===== Accidental Release Measures =====

Spill Release Procedures:VACUUM CLEAN-UP IS RECOMMENDED THOUGH NO SPECIAL STEPS ARE REQUIRED EXPECT TO AVOID DUST GENERATION.

=====
===== Handling and Storage =====

Handling and Storage Precautions:STORE IN A COOL AND DRY PLACE AWAY FROM POSSIBLE CONTACT WITH STRONG ACIDS.

Other Precautions:SMOKING AND EATING SHOULD BE AVOIDED IN HANDLING AREA.

=====

==== Exposure Controls/Personal Protection =====

Respiratory Protection:NOE UNER NORMAL USE. IF TUBE IS BROKEN: USE THE APPROPRIATE NIOSH APPROVED AIR PURIFYING RESPIRATOR WHEN AIRBORNE CONCENTRATIONS EXCEED THE TLV.

Ventilation:LOCAL EXHAUST VENTILATION IF RECOMMEDED TO CONTROL AIRBORNE DUST LEVELS.

Protective Gloves:RECOMMENDED

Eye Protection:SAFETY GLASSES.

Other Protective Equipment:LNONE

Supplemental Safety and Health

THIS PART B OF TWO PART KIT. SEE MFN 1, FOR ELECTR ON TUBE, SAME NSN.

==== Physical/Chemical Properties =====

HCC:N1

Spec Gravity:4 - 5

Solubility in Water:INSOLUBLE

Appearance and Odor:PALE YELLOW POWDER, ODORLESS

==== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS.

Stability Condition to Avoid:NONE PARTICULAR.

Hazardous Decomposition Products:IT WILL FORM H2S GAS BY THE CONTACT WITH STRONG ACID. H2S MAY FORM EXPLOSIVE MIXTURES WITH AIR AND IS

ALSO HAZARDOUS TO HUMAN HEALTH..

==== Disposal Considerations =====

Waste Disposal Methods:CLASSIFIED AS A HAZARDOUS WASTE UNDER RCRA (REACTIVE, TOXIC). DISPOSE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.

==== Other Information =====

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department

of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.