

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  
Minumum % 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  
&lt; 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  
&lt; Wt:.02  
OSHA PEL:0.01 MG/M3  
ACGIH TLV:0.1 MG/M3  
EPA Rpt Qty:1  
LB  
DOT Rpt Qty:1 LB

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===== 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

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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.

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

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===== 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.

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

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

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===== 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.

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==== 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 =====

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