

MATERIAL SAFETY DATA SHEET

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SECTION ONE ---IDENTITY INFORMATION

--TRADE NAME: PHOTOLUMINESCENT FOIL

CAS NUMBER: NO

CHEMICAL/FAMILY NAME: PVC

PRODUCT TYPE: LUMINESCENT FILM-025

FORMULA : $\text{MeO} \cdot x\text{Al}_2\text{O}_3 \cdot y\text{SiO}_2 : \text{Eu} + \text{PVC}$

(Me=Ca, Mg, Sr, Ba ; $x=0.5-2.0$, $y=0.005-0.5$)

STATEMENT : THIS MATERIAL SAFETY DATA SHEET(MSDS)HAS BEEN
PREPARED IN COMPLIANCE WITH THE FEDERAL OSHA
HAZARD COMMUNICATION STANDARD 29CFR 1910.1200.
THIS PRODUCT IS CONSIDERED TO BE A NON-HAZARDOUS
SUBSTANCE UNDER THAT STANDARD.

SECTION TWO—HAZARDOUS INGREDIENTS

INGREDIENTS	GAS NUMBER	%ACGIH-TLV	OSHA-PEL
AS INERT DUST (TOTAL)		2mg/m ³	ACGIN-TLV
		3mg/m ³	OSHA-PEL

SECTION THREE—PHYSICAL DATA

APPEARANCE: LIGHT-GREEN FILM /NO ODOR

MELTING POINT: DISSOCIATES 150°C

VAPOR PRESSURE: N/AP

VAPOR DENSITY: N/AP

SOLUBILITY IN WATER: INSOLUBLE

WEIGHT PER SQUARE METER: 0.82kg/m²

PLAMMABILITY CLASS: N/AP

EXTINGUISHING MEDIA: N/AP

FREEZING POINT: N/AP

PERCENT VOLATILE: N/AP

EVAPORATION RATE: N/AP

PH (%IN WATER): N/AP

FLASH POINT: N/AP

AUTO-IGNITION TEMP: N/AP

FIRE FIGHTING PROCEDURE-SPECIAL

FIRE FIGHTERS SHOULD WEAR SELF-CONTAINERS AND STRUCTURES
WHEN FIGHTING CHEMICAL FIRES.

USE WATER SPRAY TO COOL NEARBY CONTAINERS AND STRUCTURES
EXPOSED TO FIRE

UNUSUAL FIRE AND EXPLOSION HAZARDS:

THIS PRODUCT WILL NOT BURN.USE APPROPRIATE TECHNIQUES TO
FIGHT SURROUNDING FIRE.

SECTION FOUR—REACTIVITY DATA

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: CONTACT WITH ORGANIC SOLVENT
INCOMPATIBILITY: CONTACT WITH ACIDS
HAZARDOUS DECOMPOSITION PRODUCTS: WILL NOT ACCUR

SECTION FIVE—HEALTH HAZARD DATA

RESPIRATORY EQUIPMENT: N/AP
PROTECTIVE GLOVES N/AP
EYE PROTECTION: N/AP
VENTILATION:
OTHER PROTECTIVE EQUIPMENT: N/AP
THRESHOLD LIMIT VALUE:OSHA, PEL TOTAL DUST 3mg/m³
PRIMARY ROUTES OF EXPOSURE:INHALATION/INGESTION/SKIN
OSHA PEL: 3mg/m³
ACGIN TLV: 2mg/m³
EFFECTS OF OVEREXPOSURE: N/AP
LISTED CARCINOGEN:NONE

SECTION SIX—EMERGENCY&FIRST AID DATA

SKIN: WASH OFF WITH SOAP&WATER
EYES: FLUSH WITH WATER FOR 5 MINUTES
INHALATON: REMOVE TO FLESH AIR
INGESTION: DRINK QUANTITIES OF WATER&INDUCE VOMITING

SECTION SEVEN—TOXICOLOGY INFORMATION

THIS PRODUCT IS OF NON-TUXIC, PLEASE CONTACT THE MANUFACTURE
FOR FURTHER INFORMATION

SECTION EIGHT—SPILL OR LEAK PROCEDURES

SPILL PROCEDURES: N/AP
WASTE DISPOSAL METHODS: N/AP

SECTION NINE—REGULATORY INFORMATION

SARA 313 TITLE III
TOXIC SUBSTANCE CONTROL ACT (TSCA):
ALL INGREDIENTS IN THIS PRODUCT ARE LISTED ON THE U.S.EPA
TSCA INVENTORY OF CHEMICAL SUBSTANCES.

SECTION TEN—SPECIAL PRECAUTIONS FOR INDUSTRIAL USE ONLY

HANDLING & STORAGE IINFORMATION:
STORE CLOSED IN COOL DRY AREA.
OTHER PRECAUTIONS: MAINTAIN A SCHEDULE OF REGULAR HOUSEKEEPING
TO INSURE CLEANLINESS

SECTION ELEVEN—ADDENDUM

DEFINITIONS AND ABBREVIATIONS:
ACGIH=AMERICAN COFERENCE OF GOVERMENAL INDUSTRIAL HYGIENISTS
CAS=GHEMIGAL ABSTRACTS SERVECE REGISTRY HUMBER
EPA=ENVIRONMENTAL PROTECTION AGENCY

N/AP=NOT APPLICATION

N/AY=NOT AVAILABLE

NOISH=NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH

OSHA=OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

PEL=PERMISSIBLE EXPOSURE LIMITS

SARA=SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT