MATERIAL SAFETY DATA SHEET

IN CASE OF EMERGENCY
CALL CERAMIC COLOR:
1-412-846-4000

CERAMIC COLOR & CHEMICAL MF
13TH STREET & 11TH AVENUE
P.O. BOX 297
NEW BRIGHTON, PA 15066
(412)846-4000

EFFECTIVE DATE: 8/29/94

TRADE NAME: TIN OXIDE VS GRADE

I. GENERAL INFORMATION

CHEMICAL NAME
TIN (IV)-OXIDE

CHEMICAL FAMILY
TIN (IV)-OXIDE CAS-NR: 18282-10-5

CHEMICAL FORMULA
SN 02

D.O.T. HAZARD CLASSIFICATION
NON-HAZARDOUS

II. HAZARDOUS INGREDIENTS

HAZARDOUS CHEMICALS MARKED WITH * ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF SARA, TITLE III

PRINC. HAZARDOUS COMPONENTS	/ CAS-NO	/ %	/ TLV (UNITS)
TIN, INORGANIC COMPOUNDS, (AS TIN)	18282-10-5	> 78.00	2.0000 MG/M3 (ACGIH)

III. PHYSICAL DATA

			METHOD/REMARKS
BOILING POINT			NH
SPECIFIC GRAVITY	(H,O = 1.0)		CA 6.900
VAPOR PRESSURE	(MM HG)	(°C)	NA
PERCENT VOLATILE BY VOLUME			NH
VAPOR DENSITY	(AIR = 1)		NA
EVAPORATION RATE	(ETHER = 1)		NA

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SOLUBILITY IN WATER (°C) INSOLUBLE

PH 100% (°C) NA

APPEARANCE AND ODOR: WHITE POWDER/ODORLESS

IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD) NA

AUTO IGNITION TEMP NA

FLAMMABLE LIMITS IN AIR (% BY VOLUME) NA

EXTINGUISHING MEDIA
NOT APPLICABLE

SPECIAL FIRE FIGHTING PROCEDURES
NONE

UNUSUAL FIRE AND EXPLOSION HAZARDS
NONE

V. HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: NOT ESTABLISHED

CARCINOGEN: NO

EFFECTS OF EXPOSURE

EYE CONTACT:
NO SPECIAL EFFECTS HAVE BEEN OBSERVED

SKIN CONTACT:
NO SPECIAL EFFECTS HAVE BEEN OBSERVED

INHALATION OF VAPORS:
IN CASE OF EXCEEDED TLV THE PRODUCT IS HARMFUL BY INHALATION.

PRIMARY ROUTE(S) OF ENTRY: INHALATION

FIRST AID PROCEDURES

INHALATION:
REMOVE INDIVIDUAL FROM SITE OF EXPOSURE TO FRESH AIR.

INGESTION:
NO SPECIAL FIRST AID MEASURES REQUIRED.

EYE CONTACT:
FLUSH IMMEDIATELY WITH LARGE QUANTITIES OF WATER.

SKIN CONTACT:
WASH OFF WITH SOAP AND WATER

TRADE NAME: TIN OXIDE VS GRADE

VI. REACTIVITY DATA

STABILITY STABLE: YES UNSTABLE: NO
CONDITION TO AVOID:
NONE

INCOMPATIBILITY (MATERIALS TO AVOID)
NONE WITH PROPER STORAGE AND HANDLING.

HAZARDOUS POLYMERIZATION MAY OCCUR: NO WILL NOT OCCUR: YES
CONDITION TO AVOID:
NONE

HAZARDOUS DECOMPOSITION PRODUCTS
NORMAL CONDITIONS:
NONE WITH PROPER STORAGE AND HANDLING.
IN CASE OF FIRE:
NONE KNOWN

VII. ENVIRONMENTAL PROTECTION PROCEDURES

SPILL RESPONSE
TAKE UP MECHANICALLY AND DISPOSE OF SAFELY ACC. TO INFORMATION GIVEN IN THIS MATERIAL SAFETY DATA SHEET.

WASTE DISPOSAL METHOD
IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.
DEPOSIT ON AUTHORIZED, SUITABLE DUMP SITE.

VIII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION
IN CASE OF EXCEEDED TLV:
RESPIRATORY PROTECTIVE EQUIPMENT, CARTRIDGE FOR HARMFUL PARTICLES.

EYE PROTECTION
NONE REQUIRED

SKIN PROTECTION
NONE REQUIRED

VENTILATION RECOMMENDED
LOCAL EXHAUST: NO
MECHANICAL (GENERAL): YES

OTHER PROTECTIVE EQUIPMENT
NONE REQUIRED

IX. SPECIAL PRECAUTIONS

HANDLING AND STORAGE
AVOID FORMATION OF DUST.

OTHER PRECAUTIONS
WASH HANDS BEFORE BREAKS AND AT THE END OF WORKING.

FURTHER INFORMATION
NONE

WHILE THE INFORMATION AND RECOMMENDATIONS SET FORTH HEREIN ARE BELIEVED TO BE ACCURATE, WE MAKE NO WARRANTY WITH RESPECT HERETO AND DISCLAIM ALL LIABILITY FROM RELIANCE THEREON.

NA = NOT APPLICABLE NM = NOT MEASURED