

MTI Corporation

MATERIAL SAFETY DATA SHEET

PRODUCT: - Yttrium Aluminum Garnet (Doped and Undoped)

EMERGENCY PHONE NO. (510)-525-3070 EMAIL: INFO@MTIXTL.COM

SECTION 1 SUPPLIER INFORMATION

COMMON NAME : Yttrium Aluminum Garnet (Doped and Undoped)
CHEMICAL NAME : Not Applicable (mixture)
FORMULA : Not applicable (mixture)
SUPPLIER : MTI Corporation
ADDRESS : 860 South 19th Street
CITY/STATE/ZIP : Richmond, CA94804
PHONE : 510-525-3070
TELEFAX : 510-525-4705

SECTION II HAZARDOUS INGREDIENT INFORMATION

INGREDIENT	%WT.	PEL-OSHA	TLV-ACGIH
Yttrium Oxide (Doped and Undoped)	57	N/A	N/A
Aluminum Oxide	42	N/A	N/A

INGREDIENT HAZARD STATEMENT
NOTE: None

SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT : Not Determined
SPECIFIC GRAVITY (H₂O=1) : Not Determined
MELTING POINT : 1950 °C
VAPOR PRESSURE (mmH_g) : Not Applicable
VAPOR DENSITY (air=1) : Not Applicable
EVAPORATION RATE (BUTYL ACETATE=1) : Not Applicable
% SOLUBILITY/WATER : Not Applicable

APPEARANCE AND ODOR: Transparent colorless to white; odorless
PHYSICAL STATE : Crystals

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SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT : Not Available
AUTO-IGNITION : Not Available
LEL : Not Available
UEL : Not Available

NFPA HAZARD CLASSIFICATION

HEALTH: 1 **FLAMMABLE: 0** **REACTIVITY: 0**

HMIS HAZARD CLASSIFICATION

HEALTH: 1 **FLAMMABLE: 0** **REACTIVITY: 0**

EXTINGUISHING MEDIA:

Non-flammable: Use appropriate extinguishing media for surrounding volatile materials.

SPECIAL FIRE FIGHTING PROCEDURES:

Use self-contained breathing apparatus when fighting fires in enclosed areas.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

None Known

SECTION V REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY: None Known

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None anticipated

POLYMERIZATION: Will Not Occur

CONDITIONS TO AVOID: None Known

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SECTION VI HEALTH HAZARD DATA

ROUTES OF ENTRY

EYES: NO

SKIN: NO

INHALATION: NO

INGESTION: NO

EFFECTS OF OVEREXPOSURE

EYE: No evidence of harmful effects from available information

SKIN: No evidence of harmful effects from available information

INHALATION: No information available

INGESTION: No evidence of harmful effects from available information

NOTE: Effects of repeated overexposure – No adverse effects anticipated from available information.

CARCINOGENICITY:

NTP: NO IARC: NO OSHA: NO

CHRONIC HEALTH HAZARD: NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: A knowledge of the available toxicology information and chemical properties of the material suggests that overexposure is unlikely to aggravate existing medical conditions.

EMERGENCY FIRST AID PROCEDURES

EYE AND SKIN CONTACT: Flush eyes thoroughly with water for several minutes. Remove contact lenses, if worn. Wash skin with soap and water.

INHALATION: Remove to fresh air.

INGESTION: No emergency care anticipated.

NOTES: To Physician: There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

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SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

EPA: WASTE #: Not Regulated

UN #: Not applicable

DOT CLASSIFICATION: Not regulated

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Broken crystals leave sharp edges. Gloves should be worn when cleaning up a broken crystal.

WASTE DISPOSAL METHOD:

Dispose of in accordance with appropriate Federal, State, and local regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Normal precautions should be followed in handling, storage, and use. Keep container closed. Wash thoroughly after use.

SECTION VIII CONTROL MEASURES

RESPIRATORY PROTECTION: None expected to be needed.

VENTILATION: General (mechanical) room ventilation is expected to be satisfactory.

PROTECTIVE EQUIPMENT: General work gloves acceptable. Safety glasses recommended.

WORK/HYGIENE PRACTICES: Follow safe work practices and procedures.

SECTION IX FEDERAL AND STATE REGULATIONS

SARA HAZARD CATEGORIES

IMMEDIATE (ACUTE) HEALTH HAZARD: NO

DELAYED (CHRONIC) HEALTH HAZARD: NO

FIRE HAZARD: NO

REACTIVITY HAZARD: NO

SUDDEN RELEASE OF PRESSURE: NO

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Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III:

Requires submissions of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). This information must be included in all MSDSs that are copied and distributed for this material.

Components present in this product at a level which could require reporting under the statute are:

CHEMICAL NAME:

CAS #

%WT.

This product is not listed and does not contain toxic chemicals at level which require reporting under the statute.

Comprehensive Environmental Response Compensation, and Liability Act of 1980 (CERCLA):

Requires notification of the National Response Center of release of quantities of Hazardous Substances equal to or greater than the reportable quantities (RQs) in 40 CFR 302.4

Components present in this product at a level which could require reporting under the statute are: NONE

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III:

Requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311, and 312).

Components present in this product at a level which could require reporting under the statute are: NONE

Toxic Substances Control Act (TSCA) Status:

This product is on the TSCA inventory as a statutory mixture or is otherwise exempt.

STATE RIGHT-TO KNOW:

CALIFORNIA Proposition 65

This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

MASSACHUSETTS Right-To-Know, Substance List (MSL) Hazardous Substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products.

Components present in this product at a level which could require reporting under the statute are : NONE

PENNSYLVANIA Right-To-Know, Hazardous Substance List Hazardous Substances and Special Hazardous Substances on the List must be identified when present in products.

Components present in this product at a level which could require reporting under the statute are : NONE

CALIFORNIA SCAQMD RULE 443.1 VOC's: Not determined

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