

**MATERIAL SAFETY DATA SHEET (MSDS)
GRANATEX FILLERS**

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SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME & NUMBER: **Granatex® GTX 501 (All Colors)**

MANUFACTURER'S NAME: Gruber Systems, Inc.

ADDRESS: 25636 Avenue Stanford, Valencia, CA 91355 USA

EMERGENCY TELEPHONE: CHEM-TEL (800) 255-924

TELEPHONE NUMBER FOR
INFORMATION: 1-661-257-4060

EFFECTIVE DATE: November 5, 2009

SECTION II - HAZARDOUS INGREDIENTS/IDENTIFY INFORMATION

CODE:	CHEMICAL NAME/IDENTITY	CAS.NO.	OSHA PEL	ACGIH TLV
A.	Hydrated Alumina $A1_2O_3+3H_2O$	1344-28-1	none	10 MG/M3
B.	Saturated Polyester Resin	N/A	N/A	N/A
C.	Carbon Black	1333-86-4	3.5MG/M³	10 MG/M³
D.	Titanium Dioxide (TiO₂)	13463-67-7	15 MG/M³	10 MG/M³
E.	Iron Oxide (Fe₂O₃)	1309-37-1	N/A	10 MG/M³
F.	Phthalo Blue Manufacturer's Code I.D.	UCD 4820SF	N/A	N/A
G.	Yellow Oxide Manufacturer's Code I.D.	UCD 5752SF	N/A	N/A
H.	Organic Yellow Manufacturer's Code I.D.	UCD 5696SF	N/A	N/A
I.	Arylide Red Manufacturer's Code I.D.	UCD 7945SF	N/A	N/A
J.	Burnt Umber Manufacturer's Code I.D.	UCD 5861SF	N/A	N/A
K.	Phthalo Green Manufacturer's Code I.D.	UCD 5138SF	N/A	N/A

C, D, E, F, G, H, I, J, K as supplied, are not hazardous by the definition of Hazard Determination 29 CFR 1910.1200. Any combination as mentioned above is less than 0.5% of finished product.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT:	N/A
VAPOR PRESSURE:	N/A
VAPOR DENSITY:	N/A
SPECIFIC GRAVITY:	N/A
MELTING POINT:	N/A
EVAPORATION RATE:	N/A
SOLUBILITY IN WATER:	INSOLUBLE
APPEARANCE AND ODOR:	OFF WHITE POWDER WITH MULTI-COLOR GRANULES

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	N/A
FLAMMABLE LIMITS:	COMBUSTIBLE / LEL: UNKNOWN ;UEL:UNKNOWN
EXTINGUISHING MEDIA:	WATER, DRY CHEMICAL OR OTHER EXTINGUISHING AGENT
SPECIAL FIRE FIGHTING PROCEDURES:	NONE
UNUSUAL FIRE AND EXPLOSION HAZARDS:	MAY BE EXPLOSIVE IF DISPERSED IN AIR AND IN CONTACT WITH FLAME

SECTION V - REACTIVITY DATA

STABILITY:	STABLE
CONDITIONS TO AVOID:	CONTAMINATION AND OPEN FLAME
INCOMPATIBILITY (Materials to avoid):	STRONG OXIDIZING AGENTS
HAZARDOUS DECOMPOSITION OR BY PRODUCTS:	CO, CO ₂
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR

SECTION VI - HEALTH HAZARD DATA

ROUTES OF ENTRY:	Inhalation : YES Skin: NO Ingestion: YES
HEALTH HAZARDS:	LOW HEALTH RISK BY INHALATION, TREAT AS A NUISANCE DUST.
CARCINOGENICITY:	NTP : NO IARC monographs: NO OSHA regulated: YES
SIGNS AND SYMPTONS OF OVEREXPOSURE:	MAY CAUSE SKIN IRRITATION
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:	NONE
EMERGENCY FIRST AID	Skin: Wash with soap and water. Eye: Flush with clean water.
PROCEDURES:	Consult a physician.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

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

Use dry clean-up procedure.
Avoid dusting, collect in containers or bags.
Reuse or recycle.

WASTE DISPOSAL METHOD:

If approved by local agency, material may be disposed of at a sanitary landfill.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Store in clean dry area away from food products.

OTHER PRECAUTIONS:

Avoid making dust. Do not inhale or ingest.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION:	NIOSH Approved for Dust
VENTILATION:	Yes
LOCAL EXHAUST:	Remove airborne dust
MECHANICAL:	None
SPECIAL:	None
OTHER:	None
PROTECTIVE GLOVES:	Recommended
EYE PROTECTION:	Safety Glasses or Face Shield
OTHER PROTECTIVE CLOTHING OR EQUIPMENT:	Wear appropriate, clean, protective clothing
WORK/HYGIENIC PRACTICES:	Wash thoroughly after handling.

SECTION IX - DISCLAIMER

The suitability of information herein or the purchaser's purposes are the purchaser's responsibility. Reasonable care has been taken in the preparation of this information. This data is offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.
