

MATERIAL SAFETY DATA SHEET  
FOR COATINGS, RESINS AND RELATED MATERIALS

Manufactured For:  
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SECTION 1 PRODUCT IDENTIFICATION

PRODUCT CLASS: POLYESTER POWDER COATINGS  
DOT NAME CLASS & NUMBER: PAINT-POWDER / NO DOT  
HMIS CODE: 110E\*

SECTION 2 HAZARDOUS INGREDIENTS

OCCUPATIONAL EXPOSURE LIMITS INGREDIENT:	CAS REGISTRY NUMBER	WT. %	ACGIH PPM	TLV-TWA MG-M3	ACGIH PPM	STEL MG/M3	OSHA PPM	PEL MG/M3	VAPOR PRESSURE
NUISANCE DUST	N/A	100	N/A	10	N/A	N/A	N/A	N/A	N/A
1,3,5-TRIGLYCIDYL ISOCYANURATE	2451-62-9	5	N/A	* 0.08	N/A	N/A	N/A	N/A	0.01

SECTION 3 PHYSICAL DATA

BOILING RANGE: NOT APPLICABLE  
EVAPORATION RATE: NOT APPLICABLE

VAPOR DENSITY: NOT APPLICABLE  
VOC G/L: NOT APPLICABLE

PERCENT VOLATILE BY VOLUME: ZERO  
POUNDS PER GALLON: N/A

SECTION 4 FIRE AND EXPLOSION HAZARD DATAFLAMMABILITY CLASSIFICATION:

OSHA: COMBUSTIBLE

FLAMMABILITY CLASS: IIB

EXTINGUISHING MEDIA: FOAM, CO<sub>2</sub>, DRY CHEMICAL, WATER FOG OR SAND.

FLASH POINT: >600 F

LEL: 40 GRAMS PER M3 AIR

DOT: NONE

SPECIAL FIRE FIGHTING PROCEDURES: USE FULL PROTECTIVE EQUIP. INCLUDE SELF-CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARDS: DUST CLOUDS CAN BE IGNITED BY ELECTRIC SPARKS, HOT SURFACES & OPEN FLAME.

SECTION 5 HEALTH HAZARD DATA AND TOXICITY INFORMATIONEFFECTS OF OVEREXPOSURE:

INHALATION: MAY CAUSE HEADACHE AND RESPIRATORY IRRITATION  
SKIN OR EYES: POSSIBLE IRRITATION OR SENSITIZATION

(1,3,5-TRIGLYCIDYL ISOCYANURATE):

INGESTION: MODERATELY TOXIC. SYMPTOMS ARE NOT FULLY KNOWN, MAY INCLUDE LOSS OF APPETITE AND BLEEDING FROM NOSE  
INHALATION: IRRITATING TO UPPER RESPIRATORY TRACT. MAY CAUSE NOSEBLEEDS.  
SKIN AND EYE CONTACT: IRRITATING, CAN BE ABSORBED THROUGH THE SKIN IN HARMFUL AMOUNTS, EFFECTS SIMILAR TO INGESTION  
IRRITATION TO PROLONGED CONTACT TO THE EYES.

CHRONIC:

(1,3,5-TRIGLYCIDYL ISOCYANURATE):

ANIMAL STUDIES SHOW THAT OVER EXPOSURE CAN RESULT IN TOXIC EFFECTS TO TESTES, POSSIBLE EFFECTS ON THE LIVER AND LUNGS, WITH POSSIBLE ADVERSE MALE REPRODUCTIVE EFFECTS. MAY CAUSE IRRITATION TO THE EYES, SKIN AND RESPIRATORY TRACT. PROLONGED OR REPEATED CONTACT MAY CAUSE SKIN SENSITIZATION, LOSS OF APPETITE, OR NOSEBLEEDS. TOXIC BY INGESTION OR IF ABSORBED THROUGH THE SKIN.

ALL SAFETY AND HANDLING PRECAUTIONS SHOULD BE FOLLOWED IN SECTION 8 AND 9. IF THERE PRECAUTIONS ARE FOLLOWED AND APPLICATION AND CURING EQUIPMENT ARE IN GOOD WORKING ORDER, THE UTILIZATION OF TGIC CONTAINING POWDER COATINGS SHOULD BE NO DIFFERENT FROM THAT OF OTHER INDUSTRIAL GRADE COATING.

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY OVEREXPOSURE:

(1,3,5-TRIGLYCIDYL ISOCYANURATE):

RESPIRATORY ILLNESS AND DERMATITIS MAY BE AGGRAVATED BY EXCESSIVE EXPOSURE.

CARCINOGEN STATUS: NONE OF THE COMPONENTS IN THIS MATERIAL ARE LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

PRIMARY ROUTES OF ENTRY: DERMAL, INHALATION OR INGESTION.

SARA SECTION 313: THIS PRODUCT DOES NOT CONTAIN REPORTABLE AMOUNTS OF CHEMICALS SUBJECT TO ANNUAL SARA REPORTING.

CALIFORNIA PROPOSITION 65: THIS PRODUCT DOES NOT CONTAIN DETECTABLE LEVELS OF ANY CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER OR CAUSE REPRODUCTIVE DAMAGE.

EMERGENCY AND FIRST AID PROCEDURES:

INGESTION: DRINK ONE OR TWO GLASSES OF WATER AND INDUCE VOMITING BY PLACING FINGER AT BACK OF THROAT. CONSULT PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.

INHALATION: REMOVE FROM AREA TO FRESH AIR.

EYE CONTACT: IMMEDIATELY BEGIN FLUSHING EYES WITH COOL WATER, OCCASIONALLY LIFTING LIDS TO ENSURE THOROUGH RINSING, CONTINUE FLUSHING FOR 15 MINUTES. SEND FOR MEDICAL ASSISTANCE.

SKIN CONTACT: WASH THOROUGHLY WITH SOAP AND WATER.

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TOXICITY INFORMATION:

INGREDIENT:	CAS REGISTRY NUMBER	LD 50 MG/KG	ROUTE	SPECIES	LC50 MG/M3	SPECIES
1,3,5,-TRIGLYCIDYL ISOCYANURATE	2451-62-9	440	ORAL	RAT	2000/4HR	MOUSE

SECTION 6 REACTIVITY DATA

STABILITY: STABLE  
 CONDITIONS TO AVOID: STATIC ELECTRICAL CHARGES  
 HAZARDOUS DECOMPOSITION PRODUCTS: MAY PRODUCE FUMES WHEN HEATED TO DECOMPOSITION. FUMES MAY CONTAIN CO, CO2 AND NO2.  
 HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION 7 SPILL OR LEAK PROCEDURES

ACCIDENTAL RELEASE MEASURES: SWEEP UP CAREFULLY OR USE EXPLOSION-PROOF VACUUM CLEANER. AVOID MAKING DUSTY CONDITIONS.  
 WASTE DISPOSAL METHOD: DISPOSE IN ACCORDANCE WITH LOCAL, STATE AND FED.REGULATIONS. DO NOT INCINERATE IN CLOSED CONTAINERS.

SECTION 8 SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: USE A PROPERLY FITTED NIOSH/MSHA APPROVED MECHANICAL RESPIRATOR OR MASK TO AVOID BREATHING DUST (CAREFULLY FOLLOW RESPIRATOR MANUFACTURES' INSTRUCTIONS FOR USE.)  
 VENTILATION: PROVIDE SUFFICIENT VENTILATION IN VOLUME AND PATTERN TO KEEP AIR CONTAMINATION CONCENTRATION BELOW APPLICABLE OSHA PERMISSIBLE EXPOSURE LEVEL OR ACGIH'S TLV TWA LIMIT.  
 PROTECTIVE GLOVES: SYNTHETIC RUBBER GLOVES.  
 EYE PROTECTION: GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS RECOMMENDED.  
 PROTECTIVE EQUIPMENT: PROTECTIVE OVERALLS RECOMMENDED, REMOVE AND WASH CONTAMINATED CLOTHING.

SECTION 9 SPECIAL PROTECTION

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: KEEP ALL EQUIPMENT CLEAN & PROPERLY GROUNDED TO AVOID STATIC ELECTRICAL BUILD-UP. KEEP WORK AREAS FREE OF DUST THROUGH ADEQUATE VENTILATION. AVOID PROLONGED CONTACT WITH SKIN.  
 OTHER PRECAUTIONS: DO NOT INGEST. \*\*\*KEEP OUT OF THE REACH OF CHILDREN\*\*\*

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