

4.4.14

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: POLYESTER-TGIC YELLOW
PRODUCT CODE: PY9-1824
PRODUCT CLASS: POLYESTER-TGIC

HMIS CODES: H F R P
2 1 1 0

***** SECTION I - MANUFACTURERS IDENTIFICATION *****

MANUFACTURERS NAME: ROYAL POWDER CORPORATION
ADDRESS: 4800 BRIAR ROAD
CLEVELAND, OH 44135
EMERGENCY PHONE: 216-898-0074

DATE PRINTED: 11/07/2013

***** SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION *****

REPORTABLE COMPONENTS	CAS NO.	WEIGHT %
TRIGLYCIDYL ISOCYNUATE	002451-62-9	<5%
OSHA PEL N/A		
ACGIH TLV 0.025 MG/M3		

*** No Toxic Chemical(s) subject to reporting requirement of section 313 of title III and of 40 CFR 372 are present ***

***** SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS *****

BOILING RANGE: N/A	SPECIFIC GRAVITY (H2O=1): > 1.15
FORMULA V.O.C.: 0.00 lb/gl, as supplied.	COATING V.O.C.: 0.00 lb/gl
SOLUBILITY IN WATER: Non Soluble	VAPORS DENSITY: Heavier than air
APPEARANCE AND ODOR: Dry powder with slight non-offensive order	

***** SECTION IV - FIRE AND EXPLOSION HAZARD DATA *****

FLASH POINT: Not applicable
METHOD USED: N/A
LOWER EXPLOSION LIMIT: Above 30 g/cu m
EXTINGUISHING MEDIA: Foam, Dry Chemicals, Co2 and Water fog, **UNLESS** aluminum and/or zinc appear in section II, in which case **USE DRY CHEMICALS ONLY.**
SPECIAL FIRE FIGHTING PROCEDURE: Respiratory equipments should be worn to avoid inhalation of vapors. Water should not be used except as fog to keep nearby containers cool.

UNUSUAL FIRE AND EXPLOSION HAZARDS

When suspended in air as a dust cloud, this product is potential fire and explosion hazard. Decomposition and combustion products may be toxic. Avoid sparks, open flame, hot surfaces and all sources of heat and ignition.

***** SECTION V - REACTIVITY DATA *****

STABILITY: Stable

CONDITION TO AVOID

Strong acid, alkalis, nitrogen peroxide, sodium, potassium and other oxidizers and reactive metals.

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HAZARDOUS DECOMPOSITION OR BYPRODUCTS

Carbon dioxide, carbon monoxide, oxides of nitrogen, when welding, brazing or flame cutting on surface coated with this product.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

******* SECTION VI - HEALTH HAZARD DATA *******

THIS PRODUCT SPECIFIC HEALTH INFORMATION

TGIC: Pure TGIC is a skin sensitizer, eye and respiratory track irritant and suspected mutagen based on animal studies in male mouse spermatogonial cells. The impact of these results on human has not been fully established but manufacturers of TGIC recommends that the permissible internal exposure limit of 0.025 mg/m³ (on pure TGIC basis) should be used for protection of workers using or exposed to TGIC.

EYES: Powder may cause eye irritation.

SKIN: Severe irritation, tearing or redness may develop, in susceptible individuals.

SKIN ABSORPTION: Can dry and defat skin causing cracks, irritation and dermatitis.

INHALATION: Powder may cause irritation of respiratory track in susceptible individuals.

INGESTION: Powder may cause gastro-intestinal irritation. Repeated inhalation in excess of the TLV/PEL over an extended period of time may result in injury to the respiratory system. In some cases ingestion of powder may cause vomiting, nausea and diarrhea.

ACUTE AND CHRONIC HEALTH HAZARD

CARCINOGENICITY: No. **NTP CARCINOGEN:** No. **IRAC MONOGRAPHS:** No. **OSHA REGULATED:** No

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: None known.

EMERGENCY FIRST AID PROCEDURE:

For **EYES**, flush immediately with plenty of water for 15 minutes and get medical help immediately.

For **SKIN**, remove contaminated clothing, wash plenty of soap and water. Launder cloths before reuse.

If irritation persists get medical attention.

For **INHALATION**, move person to fresh air. If discomfort in breathing, get medical help immediately.

For **INGESTION**, do not induce vomiting, contact physician immediately.

******* SECTION VII - SPILL OR LEAK PROCEDURE *******

STEPS TO BE TAKEN IF THE MATERIAL IS RELEASED OR SPILLED: Ventilate the area. Remove all sources of ignition. Avoid inhalation of dust and vapors from heated product. Use explosion-proof vacuum equipment for clean up.

WASTE DISPOSAL METHOD: Dispose in accordance with local, state and federal regulations. Do not incinerate unopened containers.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Use in cool, well ventilated areas. Keep containers closed when not in use. Keep away from sparks, excessive heat and open flames. For greater self life, do not store above 70 deg. F.

OTHER PRECAUTIONS: Ground containers while pouring.

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***** SECTION VIII - SAFE HANDLING AND USE INFORMATION *****

RESPIRATORY PROTECTION: When using this material, use a respirator jointly approved by the Mine Safety and Health Administration of Department of Labor and **NIOSH** and Health of Department of Health and Human services and in accordance with 29CFR 1910.134 to remove particulates (and vapors if there is overexposure to vapors generated during the processing of this product.)

VENTILATION: Provide sufficient ventilation, in volume and pattern, to

- a) keep the **TLV** of the hazardous ingredients and the **LEL** of the powder coating itself below the limits specified in section two and four, and
- b) remove volatiles produced during cure and decomposition products produced during welding or cutting on surfaces coated with this product.

PROTECTIVE GLOVES:

Wear chemical resistant gloves.

EYE PROTECTION:

Use safety glasses, chemical goggles and/or a face shield should be worn to prevent eye contact.

OTHER PROTECTIVE EQUIPMENTS:

As with all powder coatings, protective equipment, such as coveralls and head protection, is recommended to avoid skin contact,

HYGIENIC PRACTICES:

Remove and wash soiled clothing before reuse. Wash hands before eating., smoking or using the restroom.

***** SECTION IX - TRANSPORT INFORMATION *****

DOT/ICAO/IATA STATUS: Not regulated.

***** SECTION X - DISCLAIMER *****

To the best of our knowledge, the information contained herein is accurate. However since the condition of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this product. It is the responsibility of the user to comply with all applicable local, state and federal laws and regulations. As with all chemicals, keep away from children and animals. This product is for industrial use only.