SAFETY DATA SHEET

Product Name**: Tec-Lok 130 Series Powder** Product Code: **TLK130 Powder Series**

Section 1 - Chemical Product and Company Information

Trade Name: **Tec-Lok 130 Series Powder**

TECTORIUS
56732 MOUND ROAD
SHELBY TOWNSHIP, MICHIGAN 48316

Emergency Contact:
InfoTrac
USA 800-535-5053
International 352-323-3500

Product Use: Industrial Use Only
Not recommended for:

Section 2 - Hazards Identification

Classification according to 2012 OSHA HCS (29 CFR 1910.1200)
Skin Sensitisation (Cat 1), H317
Serious Eye Damage (Cat 1), H318
Germ Cell Mutagenicity (Cat 1B), H340
Specific Target Organ Toxicity, Repeated Exposure (Cat 2), H373
Combustible Dust

Signal Word: Danger

Hazard pictograms

GHS05 

GHS07 

GHS08 

Hazard statement(s)

H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H340	May cause genetic defects.
H373	May cause damage to organs through prolonged or repeated exposure.

OSHA statement
May form combustible dust concentrations in air.

Precautionary statement(s)

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P281	Use personal protective equipment as required.
P290	Avoid generation or accumulation of dust.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P310	Immediately call a POISON CENTER or doctor/physician.
P321	SSecLfLc WUeaWPeQW (Vee « RQ WhLV OabeO).
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P404	Store in a closed container.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local regulations.

Supplemental information

Not applicable.

Other hazards

Not applicable.

Section 3 - Composition / Information on Ingredients

Substances presenting a hazard within the meaning of WHMIS 2015

Component name	CAS No.	% by weight
Barium sulfate	7727-43-7	20 - 25
Titanium dioxide	13463-67-7	10 - 15
TGIC	2451-62-9	1 - 5
Bismuth vanadium oxide pigment	14059-33-7	1 - 2
Amorphous silica	7631-86-9	1 - 2

Section 4 - First Aid Measures

Inhalation:
If inhaled, remove victim to fresh air. If victim is not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Eyes:
Immediately flush eye(s) with plenty of water.

Skin:
In case of contact, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Ingestion:
If swallowed, DO NOT induce vomiting. If victim is conscious and alert, give 2-4 cups of milk or water. Get medical attention. Never give anything by mouth to an unconscious person.

Section 5 - Fire Fighting Measures

Suitable extinguishing media
Water spray, dry chemicals, CO2 or foam. If aluminum or zinc appears in sections 3, 8 or 9 use dry chemicals only.

Unsuitable extinguishing media
High volume water jet.

specific hazards arising from the hazardous product
Decomposition products may contain: carbon oxides, nitrogen oxides, sulphur oxides or metal oxide / oxides.

Special protective equipment for firefighters
Firefighters should wear appropriate equipment and self-containing breathing apparatus with a full face - piece operated in positive pressure mode.

Section 6 - Accidental Release Measures

In case of spill or leak:
Prevent further leakage or spillage if you can do so without risk. Ventilate the area. Avoid generation of dust. Contain and collect spillage with non-combustible absorbent material such as clean sand, earth, diatomaceous earth or non-acidic clay and place into suitable properly labeled containers for prompt disposal. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

Section 7 - Handling and Storage

Handling

Use appropriate personal protective equipment (see section 8). Precautions should be taken to prevent formation of dust in concentrations above flammable, explosive or occupational exposure limits. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Preparation may charge electrostatic: always use earth leads when transferring from one container to the other. Use only with adequate ventilation. Eating, drinking and smoking should be prohibited in areas where this material is handled, stores and processed. Wash hands and face before eating, drinking and smoking. Avoid contact with skin and eyes. Avoid inhalation of dust, particulates and spray mist arising from the application of this powder.

Storage

Store between 5°C and 25°C in a dry, well ventilated place away from sources of heat and direct sunlight. Keep container tightly close and sealed until ready to use. Isolate from source of heat, sparks and open flame. Do not store in unlabeled containers.

Section 8 - Exposure Controls / Personal Protection

Exposure controls

Component name	CAS No.	Exposure guidelines
Barium sulfate	7727-43-7	TLV : 10 mg/m³ PEL : 5 mg/m³
Titanium dioxide	13463-67-7	TLV: 10 mg/m³ PEL: 15 mg/m³
TGIC	2451-62-9	TLV: 0.05 mg/m³
Amorphous silica	7631-86-9	TWA: 6 mg/m³, 10 hours (NIOSH) TWA:80mg/m³ 7% SiO2 (OSHA)

Appropriate engineering controls

Use local exhaust ventilation or other engineering controls to maintain air born levels below exposure limits. All dust control equipment such as local exhaust ventilation and material transport systems involved in handling this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment.

Individual protection measures, such as personal protective equipment

Eye protection

Safety eye-wear should be used when there is a likelihood of exposure.

Skin protection

Personal should wear protective clothing. Avoid prolonged contact with skin. Use gloves when handling powder. Barrier creams applied before powder use may help to protect the exposed areas of the skin but they should not be applied once exposure has occurred.

Respiratory protection

Avoid breathing dust. Mechanical exhaust is recommended. Use a NIOSH approved respirator to remove particles. Respirator selection must be based on known or anticipated exposure levels.

Hygiene measures

Use good personal hygiene practices. Wash hands before eating, drinking and using the lavatory and at the end of the working period. Wash contaminated clothing before reuse. Contaminated clothing should be washed independently of all other types of clothing.

Section 9 - Physical and Chemical Properties

This mixture typically exhibits the following properties under normal circumstances:

Odor:	None	**Odor threshold:** n/a	
Appearance:	Black, Yellow, Green, Blue, or Red Powder		
Vapor Density:	N/A	**pH:** n/a	
Evaporation Rate:	N/A	**Melting point/freezing point:** N/A	
Boiling Range:	N/A	**Decomposition Temperature:** N/A	
% Weight Solids:	100%	**Viscosity:** N/A	
% Weight Volatile (VOC):	0%	**Partition Co-eff**. (n-octanol/water)**:**N/A	
Specific Gravity (SG):	1.02 – 1.1		
Lbs VOC/Gallon Less Water:	N/A		
Solubility:	Not soluble in Water		
Vapor pressure:	N/A		

Combustible Dust Data	
KST value:	(110-215) ± 10%
ST Class:	1-2
Maximum Explosion Pressure	(8.2-10.2) ± 10%
Minimum Ignition Energy	3-30 mj
Minimum Ignition Temperature	420-490° C
Minimum Explosion Concentration:	70-125 g/m³

Section 10 - Stability and Reactivity

Stability and reactivity:
Stable

Materials to avoid:
Strong oxidizing agents, Amines, Mercaptans, Reducing agents.

Conditions / hazards to avoid:

Hazardous decomposition products:
Carbon oxides, nitrogen oxides (NOx), and Sulphur oxides.

Section 11 - Toxicological Information

Likely routes of exposure
Inhalation, skin contact , eye contact and ingestion

Acute toxicity

Component name	**Result LD50/LC50**
Barium sulfate	LD50/oral/rat: >15000 mg/kg
Titanium dioxide	LD50/oral/rat: >7500 mg/kg LD50/dermal/rabbit: >10000 mg/kg
TGIC	LD50/oral/rat: >447 mg/kg LD50/dermal/rat: >2000 mg/kg LC50/inhalation/rat: 0.65 mg/l/4 hours

Bismuth vanadium oxide pigment	LD50/ORAL/RAT: > 5000 mg/kg LC50/INHALATION/RAT:> 5.15 mg/l(4 hours)

Carcinogenicity classification

Component nameACGIH	IARC	EPA	NIOSH	NTP	OSHA
Titanium dioxide	A4	2B			
Amorphous silica		3			

Remarks

Titanium dioxide
IARC has classified titanium dioxide as 2B- Possible Carcinogenic to humans. However, the only evidence of carcinogenicity is in rats exposed at high concentrations. Tests with other laboratory animals such as mice and hamsters indicate that rats are significantly more susceptible to the pulmonary overload and inflammation that causes lung cancer. Two epidemiology studies on humans among titanium dioxide workers in the US and Europe could not demonstrate an elevated lung cancer risk.

Skin corrosion/irritation
Not classified.

Serious eye damage/eye irritation
Causes serious eye damage.

Skin sensitization
May cause an allergic skin reaction.

Respiratory sensitization
Not classified.

Mutagenicity
May cause genetic defects.

Developmental toxicity
Not classified.

STOT SE
Not classified.

STOT RE
May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard
Not classified.

Section 12 - Ecological Information

Aquatic ecotoxicity
See Section 02.

Persistence and degradability
No information available.

Bioaccumulative potential
No information available.

Mobility in soil
No information available.

Other adverse effects
No information available.

Section 13 - Disposal Considerations

Waste disposal

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Section 14 - Transport Information

Transport (DOT / IATA / IMDG) Classification

Not controlled material.

DOT / TDG

Not controlled material.

IATA

Not controlled material.

IMDG

Not controlled material.

Transport in bulk

No information available.

Special precautions in connection with transport or conveyance either within or outside the premises

Not applicable.

Section 15 - Regulatory Information

TSCA

All components of this product are included in the TSCA Chemical Inventory or are not required to be listed on the TSCA Chemical Inventory.

DSL

All components of this product are included in the Domestic Substance List (DSL).

SARA 313

This product contains the following chemical(s) subjected to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and to 40 CFR 372:

Vanadium compounds

CERCLA

NPRI

Not applicable.

California prop. 65

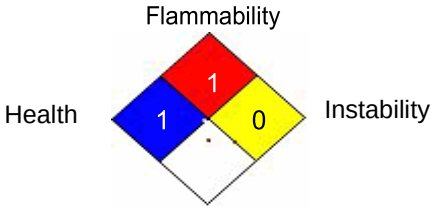
Titanium dioxide - 13463-67-7 : Cancer hazard

Section 16 - Other Information

Hazardous Material Information System (HMIS)

HMIS & NFPA Hazard Rating Legend
*** = Chronic Health Hazard**
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH

National Fire Protection Association (NFPA)



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Reviewer Revision
Date Prepared: 2/5/2021