

## SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product identifier**

Chemical Name	Mixture
Product Name / Trade Name	RT-Pigment 10 Pale Green
CAS No.	Mixture

**Relevant identified uses of the substance or mixture and uses advised against**

Identified Use(s)	Industrial Flooring Coloring Agent, Pigments
Uses Advised Against	None

**Details of the supplier of the safety data sheet**

Company Identification	Res-Tek, Inc. 110 Riverside Drive Cartersville, Georgia 30120 United States of America
Telephone	1-888-737-8351 / 1-770-427-4034

**Emergency telephone number**

CHEMTREC 24 hr. 1-800-424-9300 / 1 (703) 527-3887 (Collect calls accepted)

### SECTION 2: HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

OSHA HCS (29 CFR 1910.1200)	None.
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**Label elements**

Hazard Symbol(s)	None.
Signal Word(s)	None.
Hazard Statement(s)	None.

**Precautionary Statement(s)**

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Wear protective gloves/protective clothing/eye protection/face protection.  
In case of inadequate ventilation wear respiratory protection.  
Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product.  
If SWALLOWED: Call POISON CENTER or doctor/physician if you feel unwell.  
Rinse mouth  
Avoid breathing dust  
If INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
Call a POISON CENTER or doctor/physician if you feel unwell

**Other hazards**

None identified.

**Additional Information**

None.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Composition/information on ingredients	%W/W	CAS No.	Hazard Statement(s)
Iron Oxide Yellow (Pigment Yellow 42)	1 – 2	51274-00-1	None.
Pigment Green 17 (Chrome III Oxide)	20 - 30	1308-38-9	
Titanium Dioxide (Pigment White 6)	30 – 40	13463-67-7	
Calcium Carbonate	30 – 40	471-34-1	

For full text of H phrases see section 16.

**Additional Information** - None

## SECTION 4: FIRST AID MEASURES



### Description of first aid measures

Inhalation	Remove person to fresh air and keep comfortable for breathing. Keep patient at rest and give oxygen if breathing difficult. If symptoms continue, get medical attention. Get medical advice/attention if you feel unwell.
Skin Contact	Remove contaminated clothing. Brush off loose particles from skin. Wash skin with soap and water. Wash contaminated clothing before reuse.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, get medical attention.
Ingestion	Not normally required. Do not induce vomiting. Do not give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.
<b>Most important symptoms and effects, both acute and delayed</b>	None known
<b>Indication of any immediate medical attention and special treatment needed</b>	None known

## SECTION 5: FIRE-FIGHTING MEASURES

### Extinguishing Media

-Suitable Extinguishing Media	Use carbon dioxide, dry chemical, foam, water spray, or water fog. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
-Unsuitable Extinguishing Media	None anticipated.

### Special hazards arising from the substance or mixture

No unusual fire or explosion hazards noted.

### Advice for fire-fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas. Avoid creating dust. Use personal protective equipment as required.

### Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system.

**Methods and material for containment and cleaning up**

Use personal protective equipment as required. Avoid creating dust. Sweep up and shovel into suitable containers for disposal. Transfer to a container for disposal or recovery. Wash the spillage area with water. Do not allow to enter drains, sewers or watercourses.

**Reference to other sections**

None

**Additional Information**

None.

**SECTION 7: HANDLING AND STORAGE**

**Precautions for safe handling**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Observe good industrial hygiene practices. Provide adequate ventilation. Wear appropriate personal protective equipment. Do not eat, drink or smoke when using this product. Avoid contact with eyes and prolonged or repeated contact with skin. Avoid generation of dust. Avoid breathing dust. Keep containers closed when not in use. Wash thoroughly after handling.

**Conditions for safe storage, including any incompatibilities**

-Storage temperature

Keep container closed in a dry and well-ventilated place. Keep out of the reach of children.

-Incompatible materials

Strong acids.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Occupational Exposure Limits**

SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Iron Oxide Yellow (Pigment Yellow 42)	51274-00-1	5 mg/m3 (respirable)	10 mg/m3 (Inhalable as Fe)	-----	-----	-----
		10 mg/m3 (total dust)	5 mg/m3 (respirable as Fe)			
Pigment Green 17 (Chrome III Oxide)	1308-38-9	0.5 mg/m3 (as Cr(III))	0.5 mg/m3 (as Cr(III))	-----	-----	-----
Titanium Dioxide	13463-67-7	5 mg/m3 (respirable)	10 mg/m3	-----	-----	-----
		10 mg/m3 (total dust)				
Calcium Carbonate	471-34-1	5 mg/m3 (respirable)	10 mg/m3	-----	-----	-----
		10 mg/m3 (total dust)				

8hr TWA: 8 hour time-weighted average; PEL: Permissible Exposure Limit; TLV: Threshold Limit Value; STEL = Short Term Exposure Limit

**Exposure controls**

**Appropriate engineering controls**

Control dust formation. Use adequate general or local exhaust ventilation to maintain concentrations in the workplace below the applicable exposure limits.

**Personal protection equipment**

Eye/face protection



Safety Glasses, tight fitting goggles.

Skin protection (Hand protection/ Other)



Protective gloves and protective clothing

Respiratory protection



Inhalable size dust particles may be released under certain conditions of handling. Respiratory protection may be needed if occupational exposure limits are exceeded. Air-purifying respirator with particulate filter may be sufficient. Check with protective equipment manufacturer's data. Positive-pressure supplied air respirators may be required for high airborne contaminated concentrations. Not normally required.

Thermal hazards

Not normally required.

**Environmental Exposure Controls**

Not normally required.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance	Solid. Fine Powder.
Color.	Blue Gray.
Odor	Odorless.
Odor Threshold (ppm)	Not available.
pH (Value)	5 – 8.
Melting Point (°C) / Freezing Point (°C)	>1000°C (1832°F).
Boiling point/boiling range (°C):	Not available.
Flash Point (°C)	Not available.
Evaporation Rate	Not applicable.
Flammability (solid, gas)	Not flammable.
Explosive Limit Ranges	Not explosive.
Vapor pressure (Pascal)	Not available.
Vapor Density (Air=1)	Not applicable.
Density (g/ml)	4 - 5
Specific Gravity	4 - 5
Solubility (Water)	Insoluble.
Solubility (Other)	Not available.
Partition Coefficient (n-Octanol/water)	Not applicable.
Auto Ignition Point (°C)	Not available.
Decomposition Temperature (°C)	>1000°C
Kinematic Viscosity (cSt) @ 40°C	Not applicable.
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

### Other information

VOC (%)	0
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## SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable under normal conditions.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	None known.
<b>Incompatible materials</b>	Strong acids and bases.
<b>Hazardous decomposition product(s)</b>	None under normal conditions.

## SECTION 11: TOXICOLOGICAL INFORMATION

**Exposure routes:** Ingestion, Skin contact, Inhalation, Eye contact.

**Product**

Oral	LD50 (rat, oral): >5000 mg/kg.
Dermal	Not classified for acute toxicity based on available data.
Inhalation	Not classified for acute toxicity based on available data.
Skin Corrosion/Irritation	Not classified for acute toxicity based on available data.
Serious Eye Damage/Eye Irritation	Not classified for acute toxicity based on available data.
Respiratory Sensitization	Not classified for acute toxicity based on available data.
Aspiration Hazard:	Not applicable.
<b>CMR Effects</b>	
Germ Cell Mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	IARC's Monograph No. 93 reports there is sufficient evidence of carcinogenicity in experimental rats exposed to titanium dioxide but inadequate evidence for carcinogenicity in humans and has assigned a Group 2B rating. In addition, the IARC summary concludes, "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium is bound to other materials, such as paint."

NTP	IARC	ACGIH	OSHA
No	2B	No	No

Group 2B = Possibly carcinogenic to humans. (airborne, unbound particles of respirable size)

Reproductive Toxicity	Based on available data, the classification criteria are not met.
STOT – Single Exposure	Based on available data, the classification criteria are not met.
STOT – Repeated Exposure	Based on available data, the classification criteria are not met.
Aspiration Hazard	Based on available data, the classification criteria are not met.

## SECTION 12: ECOLOGICAL INFORMATION

**Product**

**Ecotoxicity**

Fish	LC50 (96 h): >50000 mg/l
Aquatic Invertebrates	Based on available data, the classification criteria are not met.
Toxicity to Aquatic Plants	Based on available data, the classification criteria are not met.
Toxicity to soil dwelling organisms	Based on available data, the classification criteria are not met.
Sediment Toxicity	Based on available data, the classification criteria are not met.
Toxicity to Terrestrial Plants	Based on available data, the classification criteria are not met.
Toxicity to Above-Ground Organisms	Based on available data, the classification criteria are not met.
Toxicity to microorganisms	Based on available data, the classification criteria are not met.

**Persistence and degradability**

Not applicable (inorganic substance).

**Bioaccumulative potential**

Not applicable.

Bio-concentration Factor (BCF)

Not applicable.

Partition Coefficient n-octanol / water

Not applicable.

**Mobility in soil**

Not applicable.

**PBT and vPBT assessment**

This substance does not meet the criteria to be identified as PBT or vPBT.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste treatment methods**

Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

**Additional Information**

None known.

## SECTION 14: TRANSPORT INFORMATION

	Land transport (U.S. DOT)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN number			
Proper Shipping Name	Not classified as dangerous for transport.		
Transport hazard class(es)			
Packing group			
Environmental hazards			
Special precautions for user			

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

## SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
None	-----	-----	-----

SARA 311/312 - Hazard Categories: None

Fire  Sudden Release  Reactivity  Immediate (acute)  Chronic (delayed)

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
Pigment Green 17 (Chrome III Oxide)	1308-38-9	5 - 10

SARA 302 - Extremely Hazardous Substances(40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	TPQ (pounds)
None	-----	-----	-----

Proposition 65 (California):

Chemical Name	CAS No.	Typical %wt.	Hazards
Titanium Dioxide	13463-67-7	1 - 10	Cancer (airborne, unbound particles of respirable size)

 **WARNING:** This product can expose you to chemicals including Titanium Dioxide, which is known to the State of California to cause cancer. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1 - 16.

Date of preparation: March 22, 2019

Hazard Statement(s) Listed in: SECTION 3

None.

Additional Information: None.

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