

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-Colored Flakes
CAS No.	Mixture

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

Identified Use(s)	Industrial Flooring Filler
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)	Acute Oral 4; Acute Inhal. 4
-----------------------------	------------------------------

Label elements

Hazard Symbol(s)



WARNING

Signal Word(s)

Hazard Statement(s)

Harmful is swallowed.

Harmful if inhaled.

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 CETER or doctor/physician if you feel unwell

None identified.

Other hazards

Additional Information

None..

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Composition/information on ingredients	%W/W	CAS No.	Hazard Statement(s)
Vinyl Acetate Polymer	12 - 22	9003-20-7	Acute (Oral) 4; H302 Acute (Inhal.) 4; H332
Barium Sulfate	65 -85	7727-43-7	
Titanium Dioxide	1 - 10	13463-67-7	
Carbon Black	0 – 0.5	1333-86-4	

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.
Most important symptoms and effects, both acute and delayed	None known
Indication of any immediate medical attention and special treatment needed	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)	
Barium Sulfate	7727-43-7	5 mg/m3 (respirable) 10 mg/m3 (total dust)	5 mg/m3 (respirable), particulate matter containing no asbestos and <1% crystalline silica	-----	-----	-----
Titanium Dioxide	13463-67-7	5 mg/m3 (respirable) 10 mg/m3 (total dust)	10 mg/m3	-----	-----	-----
Carbon Black	1333-86-4	3.5 mg/m3	3.5 mg/m3	-----	-----	-----

8hr TWA = 8 hour time-weighted average; 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

Environmental Exposure Controls

Not normally required.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Solid.
Color.	Color Varies.
Odor	Sweet.
Odor Threshold (ppm)	Not available.
pH (Value)	Not applicable.
Melting Point (°C) / Freezing Point (°C)	Not available.
Boiling point/boiling range (°C):	Not available.
Flash Point (°C)	Not available.
Evaporation Rate	Not applicable.
Flammability (solid, gas)	Not available.
Explosive Limit Ranges	Not available.
Vapor pressure (Pascal)	Not available.
Vapor Density (Air=1)	Not applicable.
Density (g/ml)	2.75 (22.95 lbs./gallon)
Specific Gravity	2.75
Solubility (Water)	Not available.
Solubility (Other)	Not available.
Partition Coefficient (n-Octanol/water)	Not applicable.
Auto Ignition Point (°C)	Not available.
Decomposition Temperature (°C)	Not available.
Kinematic Viscosity (cSt) @ 40°C	Not applicable.
Explosive properties	Not available.
Oxidizing properties	Not oxidizing.

Other information

VOC (%)	0
---------	---

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical stability	Stable under recommended storage conditions..
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	None known.
Incompatible materials	Strong oxidizers.
Hazardous decomposition product(s)	Thermal decomposition or combustion may generate smoke, carbon

monoxide, carbon dioxide, and other products of incomplete combustion. Irritating and toxic substances may be emitted upon combustion or burning.

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Ingestion: Harmful if swallowed. Skin contact: Causes mild skin irritation. Inhalation: No data available. Eye contact: No data available.

Product

Oral	May cause irritation of the gastrointestinal tract. ATEmix 300 – 2000 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	May cause mild skin irritation.
Serious Eye Damage/Eye Irritation	Not classified as a primary eye irritant.
Respiratory Sensitization	No data available.
Aspiration Hazard:	Not classified for acute toxicity based on available data.

Vinyl acetate polymer (CAS# 9003-20-7)

Specific Target Organ Toxicity – Single Exposure	May cause irritation to the mucous membranes and upper respiratory tract.
--	---

Barium Sulfate (CAS# 7727-43-7):

Acute toxicity	LD50 (Oral, rat) >5,000 mg/kg LD50 (Dermal, rat) >2,000 mg/kg
Irritation/Corrosivity	Not to be expected
Sensitization	Not to be expected
Repeated dose toxicity	No data available.
Carcinogenicity	

NTP	IARC	ACGIH	OSHA
No	No	No	No

Group 1 = Carcinogenic to humans. A2 = Suspected Human Carcinogen. When present as respirable particles

Mutagenicity	Not to be expected.
Reproductive toxicity	Not to be expected.

Titanium Dioxide (CAS# 13463-67-7)

Acute toxicity	LD50 (Oral, rat): >10,000 mg/kg LD50 (Dermal, hamster): >10,000 mg/kg
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)

Carbon Black(CAS# 1333-86-4)

Acute toxicity	LD50 (Oral, rat): >8,000 mg/kg
Carcinogenicity	Carbon Black is classified by IARC as possibly carcinogenic to humans (group 2B) based on experimental animal data, however, there is insufficient evidence in humans for its carcinogenicity.

NTP	IARC	ACGIH	OSHA
No	2B	No	No

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

SECTION 12: ECOLOGICAL INFORMATION

Product

Ecotoxicity

Fish	No data available.
Aquatic Invertebrates	No data available.
Toxicity to Aquatic Plants	No data available.
Toxicity to soil dwelling organisms	No data available.
Sediment Toxicity	No data available.
Toxicity to Terrestrial Plants	No data available.
Toxicity to Above-Ground Organisms	No data available.
Toxicity to microorganisms	No data available.

Persistence and degradability

No data available.

Bioaccumulative potential

Bio-concentration Factor (BCF)	No data available.
Partition Coefficient n-octanol / water	No data available.

Mobility in soil

No data available.

Other adverse effects

No data available.

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			
Transport hazard class(es)			
Packing group			
Environmental hazards			
Special precautions for user			

Not classified as dangerous for transport.

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 or polymer exempt.

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.
None	-----	-----

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)
Carbon Black	1333-86-4	0 – 0.5	Cancer (airborne, unbound particles of respirable size)

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

SECTION 16: OTHER INFORMATION

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

Date of preparation: February 11, 2019

Hazard Statement(s) Listed in: SECTION 3

H302: Harmful if swallowed.

H332: Harmful if inhaled.

Additional Information: None.

Disclaimer: We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.