

Issue date: 4/12/2023

Reviewed on: 12/15/2025

### 1: Identification

#### Product identifier

Trade name Spray Dried Filler Products - EG-44, RC-32 CAT, RC-32 G, RC-32 Low Sodium, RC32 LS FPS, TK-0224, SK-T 63, Acme, WP

#### Other means of identification

CAS Number 1332-58-7; 14808-60-7

Synonyms No information available.

Recommended use of the chemical and restrictions on use No further relevant information available.

#### Product description

Mineral pigment, or filler primarily used in paper, paper coatings, paints, adhesives, fluid cracking catalysts and plastic formulations.

#### Manufacturer/Importer/Supplier/Distributor information

Thiele Kaolin Company  
520 Kaolin Road  
P.O. Box 1056  
Sandersville, Georgia 31082 U.S.A.  
(478) 552-3951

Email

[SafetyDataSheet@thielekaolin.com](mailto:SafetyDataSheet@thielekaolin.com)

Website

Thielekaolin.com

#### Emergency phone number

Contact Person

Regulatory Administrator

Emergency phone number

For Hazardous Materials [or Dangerous Goods] Incident  
Spill, Leak, Fire, Exposure, or Accident  
Call CHEMTREC  
+1 703-741-5971 / 1-800-424-9300 CCN 1010246

### 2: Hazard(s) identification

#### Classification of the substance or mixture in accordance with paragraph (d)(1)(i) of Sec. 1910.1200.

The product is hazardous according to OSHA HazCom Standard 29 CFR paragraph (d)(1)(i) of Sec. 1910.1200 and GHS Rev 07 based on the supplied form and potential for dust formation.

#### GHS classification

Physical hazards

Not classified.

Health hazards

Carcinogenicity

Category 1A

Specific target organ toxicity - repeated exposure

Category 1

Environmental hazards

Not classified.

#### GHS label elements

Hazard pictograms



Signal word

Danger

Hazard statements

May cause cancer.

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### Precautionary statements

Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalative.  
Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Do not breathe dust.  
Wash thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Wear protective gloves/protective clothing/eye protection/face protection.  
IF exposed or concerned: Get medical advice/attention.  
Get medical advice/attention if you feel unwell.  
Store in a well-ventilated place. Keep container tightly closed.  
Dispose of contents/container in accordance with local/regional/national/international regulations.

### Hazards classified under paragraph (d)(1)(ii) of Sec. 1910.1200.

No information available.

### Hazard(s) not otherwise Classified (HNOC)

None known.

### Ingredients(s) with Unknown Acute Toxicity in the mixture at a concentration $\geq 1\%$

No information available.

## 3: Composition/information on ingredients

### Substances

<u>Chemical name</u>	<u>CAS number</u>	<u>%</u>	<u>Classification</u>
Kaolin	1332-58-7	>98.5	Not Classified
Quartz (SiO <sub>2</sub> )*	14808-60-7	<1.0%	Carc. 1A, H350; STOT RE 1, H372;

### (\* ) Impurity contributing to classification.

**Impurity Disclosure:** This product is provided in a powder form. Crystalline silica (quartz) is present as a naturally occurring impurity in this product. Hazard classifications associated with crystalline silica are related to inhalation of respirable dust particles that may be generated during processing, handling, or use. Precautionary measures should be taken to eliminate exposure to dusts.

## 4: First-aid measures

### Description of first aid measures

**Inhalation** Supply fresh air; consult doctor in case of complaints.  
**Ingestion** If large quantities are ingested, seek medical advice.  
**Skin contact** Wash with soap and water. If skin irritation occurs, consult a doctor.  
**Eye contact** Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.

### Most important symptoms/effects, both acute and delayed

Dusts may irritate the respiratory tract, skin and eyes. Symptoms may include coughing. Discomfort in the chest and

## Trade name: Spray Dried Filler Products

shortness of breath. Prolonged exposure may cause chronic effects.

### Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

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## 5: Fire-fighting measures

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### Suitable (and unsuitable) extinguishing media

Suitable extinguishing media

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable extinguishing media

None known.

### Special hazards arising from the substance or mixture

Non-combustible, substance itself does not burn.

### Protective equipment for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

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## 6: Accidental release measures

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### Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away. Avoid formation of dust.

### Methods and materials for containment and cleaning up

Ensure adequate ventilation.

Avoid the formation of dust.

Avoid dry sweeping of spilled material.

Use wet cleanup methods or HEPA-filtered vacuum systems where feasible.

Implement appropriate respiratory protection where dust generation cannot be prevented.

Do not allow to enter sewers/ surface or ground water.

Dispose contaminated material as waste according to section 13.

### Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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## 7: Handling and storage

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### Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Practice good housekeeping to prevent the accumulation of dust in the workplace. Avoid creating and breathing airborne dust. Practice good hygiene: wash hands before eating, drinking or smoking and do not store food, eat or drink in area where chemicals are handled.

Avoid prolonged or repeated exposure.

### Conditions for safe storage, including any incompatibilities

#### Conditions for safe storage

Store in a cool, dry place. Store in a well-ventilated place. Keep receptacle tightly sealed.

#### Incompatible materials

None known.

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**8: Exposure controls/personal protection**

**Control parameters**

**Occupational exposure limits**

<b>US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)</b>		
<b>Components</b>	<b>Type</b>	<b>Value</b>
Quartz (SiO <sub>2</sub> )(CAS#14808-60-7)	TWA	0.05 mg/m <sup>3</sup>

<b>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)</b>		
<b>Components</b>	<b>Type</b>	<b>Value</b>
Kaolin (CAS# 1332-58-7)	TWA	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)

**US. OSHA Table Z-2 (29 CFR 1910.1000)**

None of the ingredients in this product is listed.

<b>US. OSHA Table Z-3 (29 CFR 1910.1000)</b>		
<b>Components</b>	<b>Type</b>	<b>Value</b>
Quartz (SiO <sub>2</sub> )(CAS#14808-60-7)	TWA	250/(%SiO <sub>2</sub> +5) mppcf (Respirable) 10/(%SiO <sub>2</sub> +2) mg/m <sup>3</sup> (Respirable) 30/(%SiO <sub>2</sub> +2) mg/m <sup>3</sup> (Total dust)

<b>US. ACGIH Threshold Limit Values</b>		
<b>Components</b>	<b>Type</b>	<b>Value</b>
Kaolin (CAS# 1332-58-7)	TWA (TLV)	2 mg/m <sup>3</sup> (no asbestos and < 1% crystalline silica) (respirable fraction)
Quartz (SiO <sub>2</sub> )(CAS#14808-60-7)	TWA (TLV)	0.025 mg/m <sup>3</sup> (Respirable)

<b>US. NIOSH: Pocket Guide to Chemical Hazards</b>		
<b>Components</b>	<b>Type</b>	<b>Value</b>
Kaolin (CAS# 1332-58-7)	TWA (REL)	10 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)
Quartz (SiO <sub>2</sub> )(CAS#14808-60-7)	TWA (REL)	0.05 mg/m <sup>3</sup>

**Additional information:** The lists that were valid during the creation of this SDS were used as basis.

**Protective equipment**



**Appropriate engineering controls**

Provide general ventilation in processing and storage. Use methods that reduce or prevent dust generation. When appropriate, provide local exhaust if necessary to reduce dust levels away from breathing area and below acceptable limits.

**Respiratory equipment**

NIOSH/OSHA or EN approved respiratory protection is recommended for use in airborne concentrations exceeding exposure limits. The type of respirator recommended depends on determined airborne concentrations.

**Hand protection**

Wear protective gloves.

**Eye protection**

Wear safety glasses.

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<b>Other protection</b>	No information available.
<b>General hygiene considerations</b>	Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing and wash before reuse. Wash hands before breaks and at the end of work.

## 9: Physical and chemical properties

<b>Physical state</b>	Powder
<b>Color</b>	Off-white
<b>Odor (includes odor threshold)</b>	Odorless (Not determined).
<b>Melting point/freezing point</b>	1760 °C (3200 °F)
<b>Boiling point (or initial boiling point or boiling range)</b>	Not determined.
<b>Flammability</b>	Not available.
<b>Danger of explosion</b>	Product does not present an explosion hazard.
<b>Lower explosion limit/flammability limit</b>	No information available.
<b>Upper explosion limit/flammability limit</b>	No information available.
<b>Flash point</b>	Not applicable.
<b>Ignition temperature</b>	Not determined.
<b>Auto-ignition temperature</b>	Product is not self-igniting.
<b>Decomposition temperature</b>	550 °C (1022 °F) (Dehydroxylation)
<b>pH</b>	6 - 8 when tested as 20% solids suspension.
<b>Kinematic viscosity</b>	Not determined.
<b>Solubility (Water)</b>	Insoluble.
<b>Partition coefficient n-octanol/water (log value)</b>	Not available.
<b>Vapor pressure (includes evaporation rate)</b>	Not determined.
<b>Density and/or relative density @ 20 °C (68 °F)</b>	2.63
<b>Relative vapor density</b>	Not applicable.
<b>Particle characteristics</b>	No information available.
<b>Organic solvents</b>	0.0 %
<b>Percent solids by Wt</b>	100.0 %
<b>Other information</b>	No further relevant information available.

## 10: Stability and reactivity

<b>Reactivity</b>	No further relevant information available.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions, including those associated with foreseeable emergencies</b>	No dangerous reactions known.
<b>Conditions to avoid</b>	No decomposition if used according to specifications.
<b>Incompatible materials</b>	None known.
<b>Hazardous decomposition products</b>	No dangerous decomposition products known.

## 11: Toxicological information

Information on likely routes of exposure

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**Ingestion** No information available.  
**Inhalation** No information available.  
**Skin contact** Mild irritant effect.  
**Eye contact** Mild irritant effect.  
**Symptoms related to the physical, chemical and toxicological characteristics** No information available.  
**Delayed and immediate effects and also chronic effects from short- and long-term exposure** No information available.

**Numerical measures of toxicity**

Components	Test	Species	Test Results
Kaolin (CAS#1332-58-7)	Oral LD <sub>50</sub>	Rat	>5000 mg/kg
	Dermal LD <sub>50</sub>	Rat	>5000 mg/kg

**Interactive effects**

No information available.

**Acute toxicity** No information available.  
**Skin corrosion/irritation** No information available.  
**Serious eye damage/eye irritation** No information available.  
**Respiratory or skin sensitization**  
    **Respiratory sensitization** No information available.  
    **Skin sensitization** No information available.  
**Germ cell mutagenicity** No information available.

**Carcinogenicity**

**IARC (International Agency for Research on Cancer)**  
Group 1 - Carcinogenic to humans  
Group 2A - Probably carcinogenic to humans  
Group 2B - Possibly carcinogenic to humans  
Group 3 - Not classifiable as to its carcinogenicity to humans  
Group 4 - Probably not carcinogenic to humans  
“In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica inhaled from occupational sources can cause lung cancer in humans. However, in making the overall evaluation, IARC noted that "carcinogenicity was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs." (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicate dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France.) In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore, preventing the onset of silicosis will also reduce the cancer risk..." (SCOEL SUM Doc 94-final, June 2003) According to the current state of the art, worker protection against silicosis can be consistently assured by respecting the existing regulatory occupational exposure limits. May cause cancer. Occupational

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exposure to respirable dust and respirable crystalline silica should be monitored and controlled.”

Quartz (SiO<sub>2</sub>) (CAS#14808-60-7)- 1

**NTP (National Toxicology Program)**

Quartz (SiO<sub>2</sub>) (CAS#14808-60-7)- K

**OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients are listed.

**Reproductive toxicity**

No information available.

**Specific target organ toxicity - single exposure**

No information available.

**Specific target organ toxicity - repeated exposure**

Causes damage to the lung through prolonged or repeated exposure.

**Aspiration hazard**

Route of exposure: Inhalative. Quartz (SiO<sub>2</sub>) (CAS#14808-60-7)

No information available.

### Additional toxicological information

This product is subject to classification based on an impurity present in the respirable form (powder) that is above the threshold/cut-off values as defined by OSHA 1910.1200. When used or handled in a manner that does not result in the generation of dust, the product does not pose a hazard. Precautionary and protective measures should be taken nonetheless.

## 12: Ecological information

**Ecotoxicity**

Not known to be hazardous to water.

**Persistence and degradability**

No further relevant information available.

**Bioaccumulative potential**

No further relevant information available.

**Mobility in soil**

No further relevant information available.

**Other adverse effects**

No further relevant information available.

## 13: Disposal considerations

**Disposal instructions**

Dispose of contents/container in accordance with local, regional, national, and international Regulations.

**Additional Information:**

Container may remain hazardous when empty. Continue to observe all precautions.

**Ecology – Waste Materials:**

Avoid release to the environment.

## 14: Transport information

**UN number**

Non-Regulated Material.

**(DOT, ADN, IMDG, IATA, ADR)**

**UN proper shipping name**

Non-Regulated Material.

**(DOT, ADN, IMDG, IATA, ADR)**

**Transport hazard class(es)**

Non-Regulated Material.

**(DOT, ADN, IMDG, IATA, ADR)**

**Packing group**

Non-Regulated Material.

**(DOT, ADN, IMDG, IATA, ADR)**

**Environmental hazards**

Not applicable.

**Transport in bulk according to IMO**

Not applicable.

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instruments

Special precautions for user

Not applicable.

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### 15: Regulatory information

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

Sara

**Section 355 (extremely hazardous substances)**

None of the ingredients are listed.

**Section 313 (Specific toxic chemical listings)**

None of the ingredients are listed.

**TSCA (Toxic Substances Control Act)**

All ingredients are listed.

**California Proposition 65**



**WARNING:** Because the raw materials for our products come from the earth, our products may contain titanium dioxide and trace amounts of naturally-occurring crystalline silica and heavy metals found on the Prop 65 list including antimony, arsenic, beryllium, cadmium, cobalt, lead, nickel, vanadium, mercury, and hexavalent chromium, which are present at levels far below those covered by the Hazard Communication Standard. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**California Proposition 65 - CRT: Listed date/ Chemicals known to cause cancer**

Quartz (SiO<sub>2</sub>) (CAS#14808-60-7)- Listed date: October 1, 1988

**Carcinogenic categories**

**EPA (Environmental Protection Agency)**

None of the ingredients are listed.

**NIOSH-Ca (National Institute for Occupational Safety and Health)**

Quartz (SiO<sub>2</sub>)(CAS#14808-60-7)

**National regulations:**

The product is subject to be classified according with the latest version of the regulations on hazardous substances.

**State Right to Know-RTK (Listed substances)**

Massachusetts RTK	None of the ingredients are listed.
New Jersey RTK	Kaolin (CAS#1332-58-7), Quartz (CAS#14808-60-7)
Pennsylvania RTK	Kaolin (CAS#1332-58-7), Quartz (CAS#14808-60-7)

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### 16: Other information

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**Information Sources**

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 07.

**Date of preparation / last revision**

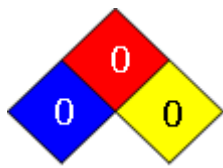
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**Revision**

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**National Fire Protection Association (NFPA) Classification system - NFPA ratings (scale 0 - 4)**

## Trade name: Spray Dried Filler Products



Health = 1  
Fire = 0  
Reactivity = 0

### Hazardous Materials Identification System (HMIS) Classification System - HMIS-ratings (scale 0 - 4)



Health = \*1  
Flammability = 0  
Reactivity = 0

The “\*” represents a chronic hazard, while the “/” represents the absence of a chronic hazard.

### Abbreviations and acronyms

<b>ACGIH</b>	: American Conference of Governmental Industrial Hygienists
<b>ADR</b>	: The European Agreement concerning the International Carriage of Dangerous Goods by Road
<b>ADN</b>	: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
<b>AIC</b>	: Australian Inventory of Industrial Chemicals
<b>CAS</b>	: Chemical Abstracts Service (division of the American Chemical Society)
<b>DSL</b>	: Domestic Substances List
<b>DOT</b>	: US Department of Transportation
<b>ECL</b>	: Korea Existing Chemicals List
<b>EINECS</b>	: European inventory of Existing Commercial chemical Substances
<b>ELINCS</b>	: European List of Notified Chemical Substances
<b>ENCS</b>	: Existing and New Chemical Substances Inventory
<b>HMIS</b>	: Hazardous Materials Identification System (USA)
<b>IATA</b>	: International Air Transport Association
<b>IECSC</b>	: Inventory of Existing Chemical Substances in China
<b>IMDG</b>	: International Maritime Code for Dangerous Goods
<b>NDSL</b>	: Non-domestic Substance List
<b>NFPA</b>	: National Fire Protection Association (USA)
<b>NLP</b>	: No-longer Polymers
<b>NZIoC</b>	: New Zealand Inventory of Chemicals
<b>PICCS</b>	: Philippine Inventory of Chemicals and Chemical Substances
<b>TCSI</b>	: Taiwan Chemical Substance Inventory

### Disclaimer

The information contained herein is believed to be true and accurate and is intended to meet the globally harmonized version of the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200, adopted on May 20, 2024. However, all statements, recommendations or suggestions are made without any guarantee, representation or warranty, express or implied, by Thiele Kaolin Company. Therefore, Thiele Kaolin Company neither makes nor implies any warranty that the information set out in this document is accurate or complete, and we accordingly exclude all liability in connection with the use of this information or the products referred to herein. All such risks are assumed by the purchaser/user. Thiele Kaolin Company cannot anticipate all conditions under which this information and our product, or the products of other manufacturers in combination with our product, may be used. It is the purchaser's/user's responsibility to ensure safe conditions for handling, storage and disposal of the product.