

Issue date: 8/24/2018

Reviewed on: 8/24/2018

### 1. Identification

#### Product identifier

**Trade name** Spray Dried Products – EG-44, RC-32 CAT, RC-32 G, RC-32 Low Sodium, RC-32 LS  
FPS,TK-0224, SK-T 63

**CAS Number** No information available.

**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

**Manufacturer/Supplier** 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

**Contact Person** Andy Crabb

**Emergency Telephone** 478-552-3951

### 2. Hazard(s) identification

#### Classification of the substance or mixture



GHS08 Health hazard

Carc. 1A H350 May cause cancer.

STOT RE 1 H372 Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalative.

#### Label elements

**GHS label elements** The substance is classified and labeled according to the Globally Harmonized System (GHS).

#### Hazard pictograms



GHS08

#### Signal word

Danger

#### Hazard-determining components of labeling

Quartz (SiO<sub>2</sub>)

#### Hazard statements

May cause cancer.

**Trade name: Spray Dried Products – EG-44, RC-32 CAT, RC-32 G, RC-32 Low Sodium, RC-32 LS FPS,TK-0224, SK-T 63**

Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalative.

**Precautionary statements**

Do not breathe dust/fume/gas/mist/vapors/spray.  
 Wear protective gloves/protective clothing/eye protection/face protection.  
 Wash thoroughly after handling.  
 Do not eat, drink or smoke when using this product.  
 Obtain special instructions before use.  
 Do not handle until all safety precautions have been read and understood.  
 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.

**Unknown acute toxicity  
 Classification system  
 NFPA ratings (scale 0 - 4)**

99 percent of the mixture consists of ingredient(s) of unknown toxicity.



Health = 1  
 Fire = 0  
 Reactivity = 0

**HMIS-ratings (scale 0 - 4)**



Health = 1  
 Flammability = 0  
 Reactivity = 0

**Hazard(s) not otherwise  
 Classified (HNOC):**

None known

**3. Composition/information on ingredients**

**Mixtures:**

No	Chemical name	CAS number	%
1	Kaolin	1332-58-7	>99%

**Chemical characterization**

**Mixtures**

**Description**

Mixture of substances listed below with nonhazardous additions.

**Dangerous Components**

CAS: 14808-60-7 RTECS: VV 7330000	Quartz (SiO <sub>2</sub> )	<1.0%
	Carc. 1A, H350; STOT RE 1, H372;                      Acute Tox. 4, H332; STOT SE 3, H335; Eye Irrit. 2B, H320	

## 4. First-aid measures

### Description of first aid measures

<b>Inhalation</b>	Supply fresh air; consult doctor in case of complaints.
<b>Ingestion</b>	If large quantities are ingested, seek medical advice.
<b>Skin contact</b>	Wash with soap and water. If skin irritation occurs, consult a doctor.
<b>Eye contact</b>	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 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.

## 5. Fire-fighting measures

<b>Suitable extinguishing media:</b>	CO <sub>2</sub> , extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
<b>Unsuitable extinguishing media</b>	None known.
<b>Special hazards arising from the substance or mixture</b>	Non-combustible, substance itself does not burn.
<b>Protective equipment for fire-fighters</b>	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.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Wear protective equipment. Keep unprotected persons away. Avoid formation of dust.
<b>Environmental precautions</b>	Do not allow to enter sewers/ surface or ground water.
<b>Methods and materials for containment and cleaning up</b>	Ensure adequate ventilation. Avoid the formation of dust Dispose contaminated material as waste according to section 13. Sweep up or vacuum up spillage and collect in suitable container for disposal.
<b>Reference to other sections</b>	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

## 7. Handling and storage

<b>Precautions for safe handling</b>	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.
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Trade name: Spray Dried Products – EG-44, RC-32 CAT, RC-32 G, RC-32 Low Sodium, RC-32 LS FPS,TK-0224, SK-T 63

**Conditions for safe storage** Store in a cool, dry place. Store in a well ventilated place. Keep receptacle tightly sealed

**Incompatible materials** None known.

**Specific end use(s)** No further relevant information available.

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Components	Type	Value
Quartz (SiO <sub>2</sub> )(CAS #14808-60-7)	TWA	0.05 mg/m <sup>3</sup>

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
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.

#### US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value
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)

#### US. ACGIH Threshold Limit Values

Components	Type	Value
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> (resp.) for α-quartz and cristobalite

#### US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
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. Provide local exhaust if necessary to reduce dust levels below acceptable limits.

**Respiratory equipment**

NIOSH/OSHA or EN approved respiratory protection is recommended for use in airborne concentrations exceeding exposure limits.

**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>Appearance</b>	Powder
<b>Color</b>	Off-white
<b>Odor</b>	Odorless
<b>Odor threshold</b>	Not determined.
<b>pH-Value</b>	6 – 8 when tested as 20% solids suspension
<b>Boiling point/Range</b>	Not determined.
<b>Melting point/Range</b>	1760 °C (3200 °F)
<b>Flash point</b>	Not applicable.
<b>Flammability</b>	Not available.
<b>Ignition temperature</b>	Not determined.
<b>Decomposition temperature</b>	550 °C (1022 °F) (Dehydroxylation)
<b>Auto igniting</b>	Product is not self-igniting.
<b>Danger of explosion</b>	Product does not present an explosion hazard.
<b>Explosion limits</b>	Not available
<b>Vapor pressure</b>	Not determined.
<b>Relative density</b>	2.63
<b>Vapor density</b>	Not applicable
<b>Evaporation rate</b>	Not determined.
<b>Solubility in / Miscibility with Water:</b>	Insoluble.
<b>Partition coefficient Log P o/w (Octanol/Water)</b>	Not available.
<b>Viscosity</b>	Not determined.
<b>Solvent content</b>	
<b>Organic solvents</b>	0.0 %
<b>Solids content</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</b>	No dangerous reactions known.
<b>Thermal decomposition/Conditions to avoid</b>	No decomposition if used according to specifications
<b>Incompatible materials</b>	Contact with fluorine, oxygen difluoride, and chlorine trifluoride will cause fire. Strong oxidizing agents.
<b>Hazardous decomposition products</b>	No dangerous decomposition products known.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Ingestion</b>	No information available.
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Trade name: Spray Dried Products – EG-44, RC-32 CAT, RC-32 G, RC-32 Low Sodium, RC-32 LS FPS,TK-0224, SK-T 63

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

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 exposure to respirable dust and respirable crystalline silica should be monitored and controlled"

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

**NTP (National Toxicology Program)**

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

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

Trade name: Spray Dried Products – EG-44, RC-32 CAT, RC-32 G, RC-32 Low Sodium, RC-32 LS FPS,TK-0224, SK-T 63  
None of the ingredients are listed.

<b>Reproductive toxicity</b>	No information available.
<b>Specific target organ toxicity - single exposure</b>	No information available.
<b>Specific target organ toxicity - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	No information available.
<b>Additional toxicological information</b>	The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

## 12. Ecological information

### Numerical measures of toxicity

Not known to be hazardous to water.

<b>Persistence and degradability</b>	No further relevant information available.
<b>Bioaccumulative potential</b>	No further relevant information available.
<b>Mobility in soil</b>	No further relevant information available.
<b>Results of PBT and vPvB assessment</b>	Not applicable.
<b>Other adverse effects</b>	No further relevant information available.

## 13. Disposal considerations

<b>Disposal instructions</b>	Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
<b>Contaminated packaging</b>	Disposal must be made according to official regulations. Use water, if necessary with cleansing agents.

## 14. Transport information

<b>UN number DOT, ADN, IMDG, IATA, ADR</b>	Non-Regulated Material
<b>UN proper shipping name DOT, ADN, IMDG, IATA, ADR</b>	Non-Regulated Material
<b>Transport hazard class(es) DOT, ADN, IMDG, IATA, ADR</b>	Non-Regulated Material
<b>Packing group DOT, ADN, IMDG, IATA, ADR</b>	Non-Regulated Material
<b>Environmental hazards</b>	Not applicable.
<b>Special precautions for user</b>	Not applicable.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Notes</b>	Not applicable.

## 15. Regulatory information

### 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 or exempt.

#### 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.

##### TLV (Threshold Limit Value established by ACGIH)

Human Carcinogen - A1 Confirmed, A2 Suspected, A3 Unknown Relevance, A4 Not Classifiable

1332-58-7	Kaolin	A4
14808-60-7	Quartz (SiO <sub>2</sub> )	A2

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

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

#### GHS label elements

The substance is classified and labeled according to the Globally Harmonized System (GHS).

#### Hazard pictograms



GHS08

#### Signal word

Danger

#### Hazard-determining components of labeling

Quartz (SiO<sub>2</sub>)

#### Hazard statements

May cause cancer.

Causes damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalative.

#### Precautionary statements

Do not breathe dust/fume/gas/mist/vapors/spray.

Wear protective gloves/protective clothing/eye protection/face protection.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.



**Trade name: Spray Dried Products – EG-44, RC-32 CAT, RC-32 G, RC-32 Low Sodium, RC-32 LS FPS,TK-0224, SK-T 63**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

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.

**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)**

CAS#1332-58-7	Kaolin	>99%
CAS#14808-60-7	Quartz	<1.0%

**International Inventories**

Australia - AICS

All ingredients are listed or exempt.

Canada -DSL

All ingredients are listed or exempt.

China - IECSC

All ingredients are listed or exempt.

Europe- EINECS

All ingredients are listed or exempt.

Japan- ENCS

All ingredients are listed or exempt.

Korea-ECL

All ingredients are listed or exempt.

New Zealand- NZIoC

All ingredients are listed or exempt.

Philippines – PICCS

All ingredients are listed or exempt.

Switzerland – EINECS

All ingredients are existing chemicals on EINECS.

Taiwan - TCSI

All ingredients are listed or exempt.

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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## 16. Other information

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**Information Sources**

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

**Date of preparation / last revision**

8/24/2018

**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>AICS</b>	Australian Inventory of Chemical Substances
<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 March 26, 2012. 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.