

## Safety Data Sheet (SDS)

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

Issue date: 8/24/2018

Reviewed on: 8/24/2018

### 1. Identification

#### Product identifier

**Trade name** Slurry Products – EG-44, RC-32 Low Sodium Low Solids

**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

The substance is not classified according to the Globally Harmonized System (GHS).

#### Label elements

**GHS label elements** Non-Regulated Material

**Hazard pictograms** Non-Regulated Material

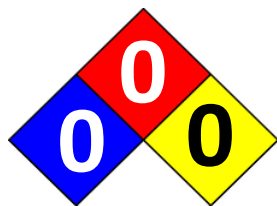
**Signal word** Non-Regulated Material

**Hazard statements** Non-Regulated Material

**Unknown acute toxicity** 99 percent of the mixture consists of ingredient(s) of unknown toxicity

#### Classification system

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



Health = 0  
Fire = 0  
Reactivity = 0

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

<b>HEALTH</b>	<b>0</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>REACTIVITY</b>	<b>0</b>

Health = 0  
 Flammability = 0  
 Reactivity = 0

**Hazard(s) not otherwise Classified (HNOC):** Silicon dioxide (present in this product) has been classified under GHS as a respirable hazard between 5-10 microns in particulate form. Since this product is a slurry, this hazard does not apply. However, if the product is used in a dry form, please take care and use appropriate PPE.

### 3. Composition/information on ingredients

**Mixtures:**

No	Chemical name	CAS number	%
1	Kaolin	1332-58-7	>99 %
2	Quartz (in solution)		<1%

**Chemical characterization**                      Mixtures  
**Description**    Mixture of substances listed below with nonhazardous additions.  
**Dangerous Components**                      Non-Regulated Material

### 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**  
 No further relevant information available.

**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

**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 fire-fighters**                      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

**Trade name: Slurry Products – EG-44, RC-32 Low Sodium Low Solids**

<b>Personal precautions, protective equipment and emergency procedures</b>	Wear protective equipment. Keep unprotected persons away.
<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. Dispose contaminated material as waste according to section 13. Absorb with liquid-binding material (ie. sand, diatomite, acid binders, universal binders, sawdust).
<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. Avoid prolonged or repeated exposure.
<b>Conditions for safe storage</b>	Store in a cool, dry place. Store in a well ventilated place. Keep receptacle tightly sealed.
<b>Incompatible materials</b>	None known.
<b>Specific end use(s)</b>	No further relevant information available.

**8. Exposure controls/personal protection****Occupational exposure limits****US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

None of the ingredients in this product is listed.

<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.

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

None of the ingredients in this product is listed.

<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)

<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)

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

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### Protective equipment



### Appropriate engineering controls

No information available.

### Respiratory equipment

If the product is used in a dry form, please take care and use appropriate respiratory protection

### Hand protection

Wear protective gloves.

### Eye protection

Wear safety glasses.

### Other protection

No information available.

### General hygiene considerations

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>	Slurry
<b>Color</b>	White
<b>Odor</b>	Odorless
<b>Odor threshold</b>	Not determined.
<b>pH-Value</b>	6.5 - 10.5 (Varies by product)
<b>Boiling point/Range</b>	Not determined.
<b>Melting point/Range</b>	Not applicable.
<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 available.
<b>Relative density</b>	2.63
<b>Vapor density</b>	Not determined.
<b>Evaporation rate</b>	Not determined.
<b>Solubility in / Miscibility with Water:</b>	Not determined.
<b>Partition coefficient Log P o/w (Octanol/Water)</b>	Not determined.
<b>Viscosity</b>	Not available
<b>Solvent content</b>	
<b>Organic solvents</b>	0.0 %
<b>Solids content</b>	Varies by product
<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.

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

**Numerical measures of toxicity**

<b>Components</b>	<b>Test</b>	<b>Species</b>	<b>Test Results</b>
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)**

"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

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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”  
None of the ingredients are listed.

**NTP (National Toxicology Program)**

None of the ingredients are listed.

**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** No information available.  
**Aspiration hazard** No information available.

**Additional toxicological information**

The product is not subject to classification according to internally approved calculation methods for preparations.  
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

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**12. Ecological information**

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**Numerical measures of toxicity**

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.  
**Results of PBT and vPvB assessment** Not applicable.  
**Other adverse effects** No further relevant information available.

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**13. Disposal considerations**

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

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**14. Transport information**

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**UN number DOT, ADN, IMDG, IATA, ADR** Non-Regulated Material  
**UN proper shipping name DOT, ADN, IMDG, IATA, ADR** Non-Regulated Material  
**Transport hazard class(es) DOT, ADN, IMDG, IATA, ADR** Non-Regulated Material

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<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.

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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 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).

##### 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

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

None of the ingredients are listed.

<b>GHS label elements</b>	Non-Regulated Material
<b>Hazard pictograms</b>	Non-Regulated Material
<b>Signal word</b>	Non-Regulated Material
<b>Hazard statements</b>	Non-Regulated Material.
<b>National regulations:</b>	

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 %

Quartz (in solution) <1 %

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

## 16. Other information

<b>Information Sources</b>	OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.
<b>Date of preparation / last revision</b>	8/24/2018
<b>Revision</b>	16

### 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>AND</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.