

Safety Data Sheet

Product Identifier: Acti-Min® Kaolin, Acti-Cast Series, Acti-Min® Series, Carotex Series, Crown Series, Dover Series, HC Series, Natka Series, RC Series, T Series, AFC, Champion, EW150, PK100, Reducto, Secco, Smithko525, Union RC-1

SDS ID: AM-005_NA

Section 1 - IDENTIFICATION

Material Name:

Acti-Min® Kaolin, Acti-Cast Series, Acti-Min® Series, Carotex Series, Crown Series, Dover Series, HC Series, Natka Series, RC Series, T Series, AFC, Champion, EW150, PK100, Reducto, Secco, Smithko525, Union RC-1

Synonyms

Hydrated Aluminum Silicate; Air Float Clay; China Clay

Recommended Use

Fillers, Constituent in fiberglass, Ceramics, and concrete.

Restrictions on Use

None known.

DISTRIBUTED BY
R.E. CARROLL INC.
1570 NORTH OLDEN AVENUE
TRENTON, NJ 08638-3204
609-695-6211 / 800-257-9365

Manufacturer Information

Active Minerals International, LLC
34 Loveton Circle
Suite 100
Sparks, MD 21152

Phone: +1-410-825-2920

Emergency # +1-410-825-2920

Section 2 - HAZARD(S) IDENTIFICATION

Classification in accordance with 29 CFR 1910.1200.

Carcinogenicity, Category 1A

Specific Target Organ Toxicity - Repeated Exposure, Category 1 (respiratory system)

GHS LABEL ELEMENTS

Symbol(s)



Signal Word

DANGER

Hazard Statement(s)

May cause cancer

Causes damage to respiratory system through prolonged or repeated exposure.

Precautionary Statement(s)

Prevention

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

Response

IF exposed or concerned: Get medical advice/attention.

DO NOT REMOVE
"MASTER COPY"

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Storage

Keep dry. Store in area of low relative humidity.

Disposal

Dispose in accordance with all applicable regulations.

Hazard(s) Not Otherwise Classified

Mechanical irritation may occur.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Component	Percent
1332-58-7	Kaolin	96-100
14808-60-7	Quartz	0-2
13463-67-7	Titanium dioxide	0-2

Section 4 - FIRST-AID MEASURES

Description of Necessary Measures

Inhalation

Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.

Skin Contact

Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.

Eye Contact

Flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops or persists.

Ingestion

Get medical advice/attention if you feel unwell. Never give anything by mouth to an unconscious or convulsive person.

Most Important Symptoms/Effects

Acute

mechanical irritation

Delayed

respiratory system damage, cancer

Indication of Immediate Medical Attention and Special Treatment Needed, If Needed

Treat symptomatically and supportively.

Section 5 - FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

regular dry chemical, carbon dioxide, water spray, foam

Unsuitable Extinguishing Media

Do not scatter spilled material with high-pressure water streams.

Special Hazards Arising from the Chemical

Negligible fire hazard.

Hazardous Combustion Products

Combustion: None

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Fire Fighting Measures

Move container from fire area if it can be done without risk. Avoid breathing dust.

Special Protective Equipment and Precautions for Firefighters

Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8. Avoid release to the environment.

Methods and Materials for Containment and Cleaning Up

Stop leak if possible without personal risk. Clean up residue with a high-efficiency particulate filter vacuum. Scoop spilled material into clean, dedicated equipment. Collect spilled material in appropriate container for disposal. Use methods to minimize dust. Avoid sweeping spilled dry material. If sweeping of a contaminated area is necessary, use a dust suppressant agent.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling

Do not handle until all safety precautions have been read and understood. Do not breathe dust. Do not eat, drink, or smoke when using this product. Use methods to minimize dust. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Wear protective gloves/clothing and eye/face protection. Wash thoroughly after handling.

Conditions for Safe Storage, including any Incompatibilities

Store and handle in accordance with all current regulations and standards. Avoid generating dust. Store in area of low relative humidity. Keep separated from incompatible substances.

Incompatibilities: hydrofluoric acid

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits

Kaolin (1332-58-7)

- ACGIH: 2 mg/m³ TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)
- OSHA: 15 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable fraction)
- NIOSH: 10 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable dust)
- Mexico 10 mg/m³ TWA LMPE-PPT
20 mg/m³ STEL [LMPE-CT]

Quartz (14808-60-7)

- ACGIH: 0.025 mg/m³ TWA (respirable fraction)
- NIOSH: 0.05 mg/m³ TWA (respirable dust)
- Mexico 0.1 mg/m³ TWA LMPE-PPT (respirable fraction)

Titanium dioxide (13463-67-7)

- ACGIH: 10 mg/m³ TWA
- OSHA: 15 mg/m³ TWA (total dust)
- Mexico 10 mg/m³ TWA LMPE-PPT (as Ti)
20 mg/m³ STEL [LMPE-CT] (as Ti)

Component Analysis

Quartz (14808-60-7)

- Chile: 0.08 mg/m³ TWA LPP (respirable fraction)

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Appropriate Engineering Controls

Provide local exhaust ventilation system. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Ensure compliance with applicable exposure limits.

Individual Protection Measures, such as Personal Protective Equipment

Eyes/Face Protection

Wear safety glasses with side shields. An emergency eye wash fountain may be provided.

Skin Protection

Wear suitable protective clothing. Wash contaminated clothing before reuse.

Respiratory Protection

If engineering controls do not maintain airborne concentrations to a negligible level, an approved respirator must be worn.

Any respirator with a high-efficiency particulate filter.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid	Appearance:	light gray to white powder
Color:	light gray to white	Physical Form:	powder
Odor:	earthy	Odor Threshold:	Not available
pH:	3.5 - 7.5	Melting Point:	Not available
Boiling Point:	Not available	Flash Point:	>93 °C
Decomposition:	Not available	Evaporation Rate:	Not available
LEL:	Not available	UEL:	Not available
Vapor Pressure:	Not available	Vapor Density (air = 1):	Not available
Density:	Not available	Specific Gravity (water = 1):	2.4-2.7
Water Solubility:	Insoluble	Log KOW:	Not available
Coeff. Water/Oil Dist:	Not available	Auto Ignition:	Not available
Viscosity:	Not available	Flammability (solid/gas):	Not flammable

Other Property Information

No additional information is available.

Section 10 - STABILITY AND REACTIVITY

Reactivity

No reactivity hazard is expected.

Chemical Stability

Stable at normal temperatures and pressure.

Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

Conditions to Avoid

Avoid generating dust.

Incompatible Materials

hydrofluoric acid

Hazardous Decomposition

Combustion: None

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Section 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity

Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

Quartz (14808-60-7)

Oral LD50 Rat 500 mg/kg

Titanium dioxide (13463-67-7)

Oral LD50 Rat >10000 mg/kg

Information on Likely Routes of Exposure

Inhalation

lung damage, cancer

Ingestion

irritation, constipation

Skin Contact

mechanical irritation

Eye Contact

mechanical irritation

Immediate Effects

mechanical irritation

Delayed Effects

respiratory system damage, cancer

Medical Conditions Aggravated by Exposure

respiratory disorders

Irritation/Corrosivity Data

Mechanical irritation may occur.

Respiratory Sensitization

No information available for the product.

Dermal Sensitization

No information available for the product.

Germ Cell Mutagenicity

No information available for the product.

Carcinogenicity

Component Carcinogenicity

Kaolin (1332-58-7)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

DFG: Category 3B (could be carcinogenic for man)

Quartz (14808-60-7)

ACGIH: A2 - Suspected Human Carcinogen

IARC: Monograph 100C [2012]; Monograph 68 [1997] (Group 1 (carcinogenic to humans))

NTP: Known Human Carcinogen (respirable size)

OSHA: Present (respirable size)

Titanium dioxide (13463-67-7)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

IARC: Monograph 93 [2010]; Monograph 47 [1989] (Group 2B (possibly carcinogenic to humans))

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DFG: Category 3A (could be carcinogenic for man, inhalable fraction with the exception of ultra small particles)

OSHA: Present

Reproductive Toxicity

No information available for the product.

Specific Target Organ Toxicity - Single Exposure

No target organs identified.

Specific Target Organ Toxicity - Repeated Exposure

respiratory system

Aspiration Hazard

No data available.

Section 12 - ECOLOGICAL INFORMATION

Component Analysis - Aquatic Toxicity

No LOLI ecotoxicity data are available for this product's components.

Persistence and Degradability

Not readily biodegradable.

Bioaccumulation

No information available for the product.

Mobility

Insoluble in water.

Other Toxicity

No data available.

Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose in accordance with all applicable regulations.

Component Waste Numbers

The U.S. EPA has not published waste numbers for this product's components.

Disposal of Contaminated Packaging

Empty containers may contain product residue.

Section 14 - TRANSPORT INFORMATION

US DOT Information

Not regulated as a hazardous material for transport.

TDG Information

Not regulated as dangerous goods for transport.

Marine Pollutant

No component(s) of this material is specifically listed in the IMDG Code as an identified marine pollutant.

Section 15 - REGULATORY INFORMATION

U.S. Federal Regulations

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 311/312 (40 CFR 370.21), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

SARA 311/312

Acute Health: No Chronic Health: Yes Fire: No Pressure: No Reactive: No

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U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA
Kaolin	1332-58-7	No	Yes	Yes	Yes	Yes
Quartz	14808-60-7	No	Yes	Yes	Yes	Yes
Titanium dioxide	13463-67-7	No	Yes	Yes	Yes	Yes

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause cancer.

Canada

This product has been classified in accordance with the criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

WHMIS CLASSIFICATION: D2A

Canadian WHMIS Ingredient Disclosure List (IDL)

Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on SDSs if they are included in products which fall under WHMIS criteria specified in the Controlled Products Regulations and are present above the threshold limits listed on the IDL.

Quartz (14808-60-7)

1 %

Chile Regulations

List of Dangerous Substances to Health

No component(s) are included on the List of Dangerous Substances to Health.

Chemical Inventory Listings

Component Analysis - Inventory

Component	CAS	US	CA	EU	AU	PH	JP	KR	CN	NZ
Kaolin	1332-58-7	Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes
Quartz	14808-60-7	Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes
Titanium dioxide	13463-67-7	Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes

Section 16 - OTHER INFORMATION

Summary of Changes

New SDS: February 27, 2015

NFPA Ratings: Health: 1 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling and Packaging; DOT - Department of Transportation; EIN (EINECS) - European Inventory of Existing Commercial Chemical Substances; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IMDG - International Maritime Dangerous Goods; Kow -

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Octanol/water partition coefficient; JP - Japan; KR - Korea; LEL - Lower Explosive Limit; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; NTP = National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States

Other Information

The information set forth in this Safety Data Sheet does not purport to be all-inclusive and should be used only as a guide. While the information and recommendations set forth herein are believed to be accurate, the company makes no warranty regarding such information and recommendations and disclaims all liability from reliance thereon.

End of Sheet AM-005_NA