



Material Safety Data Sheet

Material Name: ULTRABLOC™ C

ID: C-MS-AT-2047UBC

***** Section 1 - Chemical Product and Company Identification *****

Chemical Name: Calcined Kaolin

Product Use: Mineral Additive

Manufacturer Information

Barretts Minerals Inc. (Wholly Owned Subsidiary of Specialty Minerals, Inc.)
8625 Highway 91 South
Dillon, MT 59725

Phone: 1-877-684-7627

Emergency # CHEMTREC:(800) 424-9300

***** Section 2 - Composition / Information on Ingredients *****

CAS #	Component	Percent (wt/wt)
66402-68-4	Calcined Kaolin	60-100

Component Information

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

***** Section 3 - Hazards Identification *****

Emergency Overview

This product is irritating to the eyes, respiratory system and skin.

Potential Health Effects: Eyes

Dust or powder may irritate eye tissue.

Potential Health Effects: Skin

Dust or powder may irritate the skin.

Potential Health Effects: Ingestion

May cause temporary irritation of the throat, stomach, and gastrointestinal tract.

Potential Health Effects: Inhalation

This product may cause irritation to the respiratory system. Prolonged or repeated overexposure to this product may cause lung damage.

Medical Conditions Aggravated by Exposure

Pre-existing respiratory, skin and eye diseases.

Potential Environmental Effects

No significant environmental effects.

HMS Ratings: Health: 1* Fire: 0 Reactivity: 0 Pers. Prot.: E

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

***** Section 4 - First Aid Measures *****

First Aid: Eyes

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

First Aid: Skin

For skin contact, wash immediately with soap and water.

First Aid: Ingestion

If the material is swallowed, get immediate medical attention or advice.

Material Safety Data Sheet

Material Name: ULTRABLOC™ C

ID: C-MS-AT-
2047UBC

First Aid: Inhalation

Move person to non-contaminated air.

First Aid: Notes to Physician

Provide general supportive measures and treat symptomatically.

* * * Section 5 - Fire Fighting Measures * * *

General Fire Hazards

This material will not burn. Under certain conditions, kaolin may catalyze the chain polymerization of styrene monomer, producing an exothermic reaction which may generate large amounts of heat and cause combustion.

Hazardous Combustion Products

None identified.

Extinguishing Media

Use methods for the surrounding fire.

Fire Fighting Equipment/Instructions

None necessary.

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

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

* * * Section 6 - Accidental Release Measures * * *

Containment Procedures

Contain the discharged material.

Clean-Up Procedures

Provide adequate ventilation. Cleanup personnel should use personal protective equipment to reduce eye contact, inhalation of dust, and prolonged skin contact. Use vacuum equipment with HEPA filters or wet sweeping/dust suppressant if sweeping is required. Personal safety, handling and exposure recommendations described elsewhere in this data sheet apply to exposure during clean up of spilled material and must be followed.

Evacuation Procedures

None necessary.

Special Procedures

No additional information available.

* * * Section 7 - Handling and Storage * * *

Handling Procedures

Avoid getting this material into contact with your skin and eyes. Material may be slippery when wet.

Storage Procedures

Store in a cool, dry, well-ventilated area.

* * * Section 8 - Exposure Controls / Personal Protection * * *

Exposure Guidelines

A: General Product Information

Keep formation of airborne dusts to a minimum.

B: Component Exposure Limits

ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.

Engineering Controls

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear dust goggles.

Material Safety Data Sheet

Material Name: ULTRABLOC™ C

ID: C-MS-AT-
2047UBC

Personal Protective Equipment: Skin

Use impervious gloves.

Personal Protective Equipment: Respiratory

Use a dust mask for particulate concentrations exceeding the Occupational Exposure Limit.

Personal Protective Equipment: General

Eye wash fountain and emergency showers are recommended.

*** Section 9 - Physical & Chemical Properties ***

Appearance:	White Powder	Odor:	None
Physical State:	Solid	pH:	N/A
Vapor Pressure:	N/A	Vapor Density:	N/A
Boiling Point:	N/A	Melting Point:	Unknown
Solubility (H2O):	Insoluble	Specific Gravity:	Not Available

*** Section 10 - Stability & Reactivity ***

Chemical Stability

Stable under normal conditions.

Chemical Stability: Conditions to Avoid

Do not directly mix this kaolin product with styrene monomer.

Incompatibility

None identified.

Hazardous Decomposition

None identified.

Hazardous Polymerization

Under certain conditions, kaolin may catalyze the chain polymerization of styrene monomer, producing an exothermic reaction which may generate large amounts of heat and cause combustion. This kaolin product should NOT be added directly to styrene monomer NOR should styrene monomer be directly added to this product. This reaction does not occur when this kaolin product is added to polyester resins containing free styrene. If the formulation requires additional styrene monomer to be added at the end of the mix cycle, the kaolin MUST be fully dispersed in the polyester resin BEFORE the incorporation of the styrene monomer.

*** Section 11 - Toxicological Information ***

Acute and Chronic Toxicity

A: General Product Information

A search of NIOSH RTECS was completed. No acute toxicity information is currently available from RTECS on the components of this product.

B: Component Analysis - LD50/LC50

No LD50/LC50's are available for this product's components.

Carcinogenicity

Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

Chronic Toxicity

A search of NIOSH RTECS was completed. No chronic toxicity information is currently available from RTECS on the components of this product.

Material Safety Data Sheet

Material Name: ULTRABLOC™ C

ID: C-MS-AT-
2047UBC

*** Section 12 - Ecological Information ***

Ecotoxicity

A: General Product Information

No data available for this product.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

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

Environmental Fate

No data available for this product.

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

A: General Product Information

No components are identified as hazardous wastes.

B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

If this material becomes a waste it does not meet the criteria of a hazardous waste as defined by USEPA RCRA regulations. More stringent state or local regulations may apply. Combining this material with another may alter this classification.

*** Section 14 - Transport Information ***

US DOT Information

Shipping Name: None necessary.

Additional Info.: None.

International Transportation Regulations

This product is not regulated as a hazardous material by the United States (DOT) or Canadian (TDG) transportation regulations.

*** Section 15 - Regulatory Information ***

US Federal Regulations

A: General Product Information

All naturally occurring components of this product are automatically included in the USEPA TSCA Inventory List per 40 CFR 710.4 (b). All other components are on the USEPA TSCA Inventory List.

B: Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

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

State Regulations

A: General Product Information

Other state regulations may apply. Check individual state requirements.

B: Component Analysis - State

None of this product's components are listed on the state lists from CA, FL, MA, MI, MN, NJ, or PA.

Other Regulations

A: General Product Information

Canadian WHMIS Classification: Not WHMIS Regulated

Material Safety Data Sheet

Material Name: ULTRABLOC™ C

ID: C-MS-AT-2047UBC

B: Component Analysis - Inventory

Component	CAS #	TSCA	DSL	NDSL	EINECS	AUST	PHIL.	MITI	KOREA	ELINCS	CHINA
Calcined Kaolin	66402-68-4	Yes	Yes	No	Yes	Yes	Yes	No	Yes	No	Yes

C: Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL

* * * Section 16 - Other Information * * *

Other Information

Disclaimer: Neither Minerals Technologies Inc., nor any of its affiliates ("MTI") shall be responsible for the use of information, product, method, or apparatus herein presented ("Information"), and you must make your own determination as to its suitability and completeness for your own use, for the protection of the environment, and for health and safety purposes. You assume the entire risk of relying on this information. In no event shall MTI be responsible for damages of any nature whatsoever resulting from the use of or reliance upon this information. By providing this information, MTI neither can nor intends to control the method or manner by which you use, handle, store, or transport MTI products. Nothing herein shall be construed as a recommendation or license to use any Information that conflicts with any patent, trademark or copyright. Material Safety Data Sheets providing safety precautions that should be observed in handling and storing MTI products are available upon request. You should obtain and review the available material safety information before handling any of these products.

MTI MAKES NO PRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE REGARDING THIS INFORMATION, AND NOTHING HEREIN WAIVES ANY CONDITIONS OF SALE. This information could include technical inaccuracies or typographical errors. Changes are periodically added to the information herein; these changes will be incorporated in revisions of the information. MTI may make improvements and/or changes in the product(s) described in this information at any given time.

Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; DOT = Department of Transportation; RCRA = Resource Conservation and Recovery Act

This is the end of MSDS # C-MS-AT-2047UBC