abrasive technology
www.abrasive-tech.com

SAFETY DATA SHEETS

8400 Green Meadows Dr.
P.O. Box 545
Lewis Center, OH 43035

P: 740.548.4100
F: 740.548.7616

SAFETY DATA SHEET

REVISION: 10/21/2015

DRESSING STICK – SILICON CARBIDE

1. PRODUCT & COMPANY INFORMATION

1.1 PRODUCT IDENTIFIER(S)

PRODUCT NAME: DRESSING STICK – SILICON CARBIDE
PRODUCTCODE(S): C6330013

1.2 COMPANY INFORMATION

ABRASIVE TECHNOLOGY, INC
8400 GREEN MEADOWS DR.
LEWIS CENTER, OHIO 43035

TELEPHONE 740-548-4100 (8:00 am TO 5:00 pm EST)
FAX 740-548-7617

1.3 EMERGENCY PHONE NUMBERS

NORTH AMERICA (24 HRS) CHEMTREC 800-424-9300
OUTSIDE NORTH AMERICA (COLLECT) 703-527-3887

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not classified as hazardous according to OSHA Hazard Communication Standard, 29 CFR 1910.1200

2. HAZARDS IDENTIFICATION (CONTINUED)

2.2 GHS Label elements, including precautionary statements

LABEL ELEMENTS

Signal Word – None

Pictograms - None

Hazard Statements – CAUSES EYE IRRITATION (DUSTS)

Precautionary Statements
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Wash thoroughly after handling.
If in eyes: Rinse carefully with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If irritation persists, seek medical attention.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Hazardous Components - None

SILICON CARBIDE	~ 90% by WT	CAS # 1344-28-1
FRIT/CLAY BOND	~ 10% by WT	CAS # 65997-18-4

Composition is proprietary

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Non-hazardous if swallowed.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. FIREFIGHTING MEASURES

5.1 Non-flammable

But in case of other fire, see below

5.1 Extinguishing media

Non-combustible.

5.2 Special hazards arising from the substance or mixture

None

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

No data available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. No other special measures needed.
Ventilate area for fresh air.

6.2 Environmental precautions

None

6.3 Methods and materials for containment and cleaning up

Clean up with water. No other special measures needed.

6.4 Reference to other sections

Residue should not be rinsed into drain and clean up with water.
No other special measures needed.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

For industrial or professional use only. Avoid breathing of dust created by sanding, grinding or machining. Combustible dust may form by action of this product on another material (substrate). Dust generated from the substrate during use of this product may be explosive if in sufficient concentration with an ignition source. Dust deposits should not be allowed to accumulate on surfaces because of the potential for secondary dust explosions.

7.2 Conditions for safe storage, including any incompatibilities

No special storage requirements.

7.3 Specific end use(s)

Use per instruction. No other special measures needed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.2 Exposure Guidelines

Ingredient	C.A.S. No.	Value
Silicon Carbide	409-21-2	3 mg/m3 TWA ACGIH TLV (Respirable fraction) 10 mg/m3 TWA ACGIH TLV (inhalable fraction) 15 mg/m3 TWA OSHS PEL (total dust) 5 mg/m3 TWA OSHS PEL (Respirable fraction

Amer Conf of Gov. Indust. Hyg. : American Conference of Governmental Industrial Hygienists
US Dept of Labor - OSHA : United States Department of Labor - Occupational Safety and Health Administration
TWA: Time-Weighted-Average
PEL: Permissable Exposure Limit

8.2. Exposure controls

8.2.1. Engineering controls

Provide appropriate local exhaust ventilation for sanding, grinding or machining. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapors/spray. If ventilation is not adequate, use respiratory protection equipment. Provide local exhaust at process emission sources to control exposure near the source and to prevent the escape of dust into the work area. 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).

8.2.2. Personal protective equipment (PPE)

Eye/face protection

To minimize the risk of injury to face and eyes, always wear eye and face protection when working at sanding or grinding operations or when near such operations. Select and use eye/face protection to prevent contact based on the results of an exposure assessment.

The following eye/face protection(s) are recommended: Safety Glasses with side shields

Skin/hand protection

Wear appropriate gloves to minimize risk of injury to skin from contact with dust or physical abrasion from grinding or sanding.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONT.)

Respiratory protection
Assess exposure concentrations of all materials involved in the work process. Consider material being abraded when determining the appropriate respiratory protection. Select and use appropriate respirators to prevent inhalation overexposure. An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure: Half facepiece or full facepiece air- purifying respirator suitable for particulates. For questions about suitability for a specific application, consult with your respirator manufacturer.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance	**Form: solid**
b) Odor	**odorless**
c) Odor Threshold	**not applicable**
d) pH	**not applicable**
e) Melting point/freezing point	**not applicable**
f) Initial boiling point and Boiling range	**not applicable**
g) Flash point	**not applicable**
h) Evaporation rate	**not applicable**
i) Flammability (solid, gas)	**not applicable**
j) Upper/lower flammability or explosive limits	**not applicable**
k) Vapor pressure	**not applicable**
l) Vapor density	**not applicable**
m) Relative density	**Not determined**
n) Water solubility	**not applicable**
o) Partition coefficient: N-octanol/water	**not applicable**
p) Auto-ignition temperature	**not applicable**

9. PHYSICAL AND CHEMICAL PROPERTIES (CONT.)

9.1 Information on basic physical and chemical properties

q) Decomposition temperature	**not applicable**
r) Viscosity	**not applicable**
s) Explosive properties	**not applicable**
t) Oxidizing properties	**not applicable**

9.2 Other safety information **not applicable**

10. STABILITY AND REACTIVITY

10.1. Reactivity

This material is considered to be non reactive under normal use conditions.

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Substance	**Condition**
None known.	

Refer to section 5.2 for hazardous decomposition products during combustion.

11. TOXICOLOGICAL INFORMATION

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

11.1. Information on Toxicological effects

Signs and Symptoms of Exposure
Based on test data and/or information on the components, this material may produce the following health effects:

Inhalation:
Dust from grinding, sanding or machining may cause irritation of the respiratory system. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Skin Contact:
Mechanical Skin irritation: Signs/symptoms may include abrasion, redness, pain, and itching.

Eye Contact:
Mechanical eye irritation: Signs/symptoms may include pain, redness, tearing and corneal abrasion. Dust created by grinding, sanding, or machining may cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Ingestion:
No health effects are expected.

Additional Information:
This document covers only the 3M product. For complete assessment, when determining the degree of hazard, the material being abraded must also be considered.

Toxicological Data
If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

11. TOXICOLOGICAL INFORMATION (CONT)

Acute Toxicity

NAME	ROUTE	SPECIES	VALUE
SILICON CARBIDE		>5,000 mg/kg	
SILICON CARBIDE	INGESTION	RAT	LD50 > 5,000 mg/kg
SILICON CARBIDE		RABBIT	No significant irritation
SKIN SENSITIZATION			No significant irritation
RESPIRATORY SENSITIZATION			No significant irritation
GERM CELL MUTAGENICITY			
SILICON CARBIDE	In Vitro		Not mutagenic
CARCINOGENICITY			
SILICON CARBIDE	Inhalation	Rat	Not carcinogenic

11. TOXICOLOGICAL INFORMATION (CONT)

REPRODUCTIVE TOXICITY

REPRODUCTIVE AND/OR DEVELOPMENTAL EFFECTS

NO DATA AVAILABLE

TARGET ORGAN(S)

SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE

NO DATA AVAILABLE

SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE

ALUMINUM OXIDE	Inhalation	pneumoconiosis	Human	Occupational
MINERAL (NON-FIBROUS)		pulmonary fibrosis		exposure

TEST RESULT-NOAEL (not available)
Some positive data exist, but the data are not sufficient for classification

ASPIRATION HAZARD NO DATA AVAILABLE

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

Please contact the address or phone number listed on the first page of the SDS for additional ecotoxicological information on this material and/or its components.

CHEMICAL FATE INFORMATION

Please contact the address or phone number listed on the first page of the SDS for additional chemical fate information on this material and/or its components.

13. DISPOSAL CONSIDERATIONS

13.1. DISPOSAL METHODS

Dispose of contents in accordance with the local/regional/national/international regulations.

Prior to disposal, consult all applicable authorities and regulations to insure proper classification. The substrate that was abraded must be considered as a factor in the disposal method for this product. Dispose of waste product in a permitted industrial waste facility. As a disposal alternative, incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. If no other disposal options are available, waste product may be placed in a landfill properly designed for industrial waste.

CONTAMINATED PACKAGING

Dispose of as unused product.

EPA Hazardous Waste Number (RCRA): Not regulated

14. TRANSPORT INFORMATION

DOT (US)	IMDG	IATA
Not dangerous goods	Not dangerous goods	Not dangerous goods

These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. Vendor transportation classifications are based on product formulation, packaging, Vendor policies and vendor understanding of applicable current regulations. EPA Hazardous Waste Number (RCRA): Not regulated does not guarantee the accuracy of this classification information. This information applies only to transportation classification and not the packaging, labeling, or marking requirements. The original Vendor package is certified for U.S. ground shipment only. If you are shipping by air or ocean, the package may not meet applicable regulatory requirements.

15. REGULATORY INFORMATION

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards: Not a chronic health hazard

Massachusetts Right To Know Components:	**No components are subject to the Massachusetts Right to Know Act.**
Pennsylvania Right To Know Components:	**No components are subject to**
Revision Date	**Pennsylvania RTK**
New Jersey Right To Know Components:	**No components are subject to**
Revision Date	**New Jersey RTK**

California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

HMIS Rating
Health hazard: 1
Chronic Health Hazard: *
Flammability: 0
Physical Hazard 0

NFPA Rating
Health hazard: 1
Fire Hazard: 0
Reactivity Hazard: 0

Further information
User is granted the ability to make unlimited paper copies for internal use only. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Abrasive Technology, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.

SDS PREPARATION INFORMATION
ABRASIVE TECHNOLOGY, INC.
DOUGLAS G. ANDERSON
DATE PREPARED: 07/01/2015
DATE REVISED: 10/21/2015 **PURPOSE OF REVISION: Minor information update**