

SAFETY DATA SHEET

Company: EURO TOOL, Inc.
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Collect calls are accepted.

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Silicon Carbide Abrasive

Issue Date: April 8, 2013
Supersedes Date: August 20, 2007

Product Use: Abrasive

SECTION 2: INGREDIENTS

<u>Ingredient</u>	<u>C. A. S. No.</u>	<u>% By Weight</u>
Paper Backing	None	20 - 60
Silicon Carbide Mineral	409-21-2	15 - 35
Cured Resin	Mixture	15 - 50
Filler	37244-96-5	1 - 5
Quartz Silica	14808-60-7	0.01 - 0.14

SECTION 3: HAZARDS IDENTIFICATION

3.1 EMERGENCY OVERVIEW

Odor, Color, Grade: Solid Abrasive Product
General Physical Form: Solid
Immediate Health, Physical, and Environmental Hazards: It is incumbent on the user to consider the type of material being abraded when making a full and complete assessment

3.2 POTENTIAL HEALTH EFFECTS

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.

Skin Contact:

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

Inhalation:

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

Prolonged or repeated exposure may cause:

Pneumoconiosis: Signs/symptoms may include persistent cough, breathlessness, chest pain, increased amounts of sputum, and changes in lung function tests.

Ingestion:

No health effects are expected.

This product contains quartz silica. Cancer of the lungs and silicosis have been associated with quartz (crystalline) silica. No exposure to quartz (crystalline) silica is anticipated during normal intended use. No detectable respirable quartz and or other forms of crystalline silica were found when a simulated grinding air sampling study was conducted on analogous coated abrasive constructions that contained similar to or greater concentration of crystalline silica. Therefore, the health effects associated with crystalline silica (e.g. quartz) are not expected during the intended use of this product.

<u>Ingredient</u>	<u>C. A. S. No.</u>	<u>Class Description</u>	<u>Regulation</u>
Quartz Silica Silica, Crystalline (airborne particles of respirable size)	14808-60-7	Grp. 1: Carcinogenic to humans	International Agency for Research on Cancer
Silica, Crystalline (airborne particles of respirable size)	SEQ677	Grp. 1: Carcinogenic to humans	International Agency for Research on Cancer
Silica, Crystalline (airborne particles of respirable size)	SEQ677	Known human carcinogen	National Toxicity Program Carcinogens

SECTION 4: FIRST AID MEASURES

4.1 EMERGENCY OVERVIEW

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

Eye Contact:

Flush eyes with large amounts of water. If signs/symptoms persist, seek medical attention.

Skin Contact:

Wash affected area with soap and water. If signs/symptoms persist, seek medical attention.

Inhalation:

Remove person to fresh air. If signs/symptoms persist, seek medical attention.

Ingested:

No need for first aid is anticipated.

SECTION 5: FIRE FIGHTING MEASURES

5.1 FLAMMABLE PROPERTIES

Autoignition Temperature: *Not Applicable*
Flash Point: *Not Applicable*
Flammable Limits – LEL: *Not Applicable*
Flammable Limits – UEL: *Not Applicable*

5.2 EXTINGUISHING MEDIA

Ordinary combustible material. Use fire extinguishers with class A extinguishing agents (e.g. water, foam).

5.3 PROTECTION OF FIRE FIGHTERS

Special Fire Fighting Procedures:

Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

Unusual Fire and Explosion Hazards:

Not applicable. None inherent to this product.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: *Not Applicable.*

Environmental procedures: *Not Applicable.*

Clean-up methods: *Not Applicable.*

SECTION 7: HANDLING AND STORAGE

7.1 HANDLING

For industrial or professional use only. Avoid breathing of dust created by sanding, grinding or machining. Avoid eye contact with dust or particles. Damaged product can break apart during use and cause serious injury to face or eyes. Check product for damage such as cracks or nicks prior to use. Replace if damaged. Always wear eye protection when working at sanding or grinding operations. Sparks and particles flying from the product during sanding or grinding can cause injury or fire.

7.2 STORAGE

Store in a cool, dry place.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 ENGINEERING CONTROLS

Provide appropriate local exhaust ventilation for sanding, grinding or machining. Provide ventilation to control dust concentration below recommended exposure limits and/or control dust. Do not use in a confined area or areas with little or no air movement. Use in an enclosed process area is recommended. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupation Exposure Limits and/or control dust, fumes, or airborne particles. If ventilation is not adequate, use respiratory protection equipment.

8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

Eye/Face Protection:

Avoid eye contact. 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.

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

Skin Protection:

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

Respirator Protection:

Avoid breathing of dust created by sanding, grinding or machining. 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.

Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: Half facepiece or fullface air-purifying respirator with N95 particulate filters.

Prevention of Swallowing:

Not an expected route of exposure. Wash hands after handling and before eating.

8.3 EXPOSURE GUIDELINES

<u>Ingredient</u>	<u>Authority</u>	<u>Type</u>	<u>Limit</u>
Filler	CMRG	TWA, respirable	5 mg/m ³
Quartz Silica	ACGIH	TWA, respirable fraction	0.025 mg/m ³
Quartz Silica	OSHA	TWA concentration, respirable	0.1 mg/m ³
Quartz Silica	OSHA	TWO concentration, as total dust	0.3 mg/m ³
Silicon Carbide Mineral	ACGIH	TWA, as fiber	0.1 fiber/cc
Silicon Carbide Mineral	ACGIH	TWA, respirable fraction	3 mg/m ³
Silicon Carbide Mineral	ACGIH	TWA, inhalable fraction	10 mg/m ³
Silicon Carbide Mineral	OSHA	TWA, respirable fraction	5 mg/m ³
Silicon Carbide Mineral	OSHA	TWA, as total dust	15 mg/m ³

Source of Exposure Limit Data:

ACGIH: American Conference of Governmental Industrial Hygienists

CMRG: Chemical Manufacturer Recommended Guideline

OSHA: Occupational Safety and Health Administration

AIHA: American Industrial Hygiene Association Workplace Environmental Exposure Level (WEEL)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Odor, Color, Grade:	Solid Abrasive Product
General Physical Form:	Solid
Autoignition Temperature:	<i>Not Applicable</i>
Flash Point:	<i>Not Applicable</i>
Flammable Limits – LEL:	<i>Not Applicable</i>
Flammable Limits – UEL:	<i>Not Applicable</i>

Boiling Point:	<i>Not Applicable</i>
Density:	<i>Not Applicable</i>
Vapor Density:	<i>Not Applicable</i>
Vapor Pressure:	<i>Not Applicable</i>
Specific Gravity:	<i>Not Applicable</i>
pH:	<i>Not Applicable</i>
Melting Point:	<i>Not Applicable</i>
Solubility In Water:	<i>Not Applicable</i>
Evaporation Rate:	<i>Not Applicable</i>
Kow – Oct /Water Partition Coef:	<i>Not Applicable</i>
Viscosity	<i>Not Applicable</i>

SECTION 10: STABILITY AND REACTIVITY

Stability:

Stable.

Materials and Conditions to Avoid:

None known.

Hazardous Polymerization:

Hazardous polymerization will not occur.

Hazardous Decomposition or By-Products	
<u>Substance</u>	<u>Condition</u>
Carbon Monoxide	During Combustion
Carbon Dioxide	During Combustion

Hazardous Decomposition:

Under recommend usage conditions, hazardous decomposition products are not expected. Hazardous decomposition products may occur as a result of oxidation, heating, or reaction with another material.

SECTION 11: TOXICOLOGY INFORMATION

Contact Supplier

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicological Information:

Not determined.

Chemical Fate Information:

Not determined.

SECTION 13: DISPOSAL CONSIDERATION

Water Disposal Method:

Dispose of waster product in a sanitary landfill. As a disposal alternative, incinerate in an industrial or commercial facility in the presence of a combustible material.

EPA Hazardous Waster Number (RCRA):

Not Regulated. However, since regulations do vary, consult applicable regulations or authorities before disposal.

SECTION 14: TRANSPORTATION INFORMATION

Not regulated per U.S. DOT, IATA or IMO.

SECTION 15: REGULATORY INFORMATION

311/312 Hazard Categories:

Fire Hazard:	No
Pressure Hazard:	No
Reactivity Hazard:	No
Immediate Hazard:	Yes
Delayed Hazard:	Yes

Chemical Inventories:

This product is an article as defined by TSCA regulations, and is exempt from TSCA Inventory listing requirements.

SECTION 16: OTHER INFORMATION

NFPA Hazard Classification:

Health:	1
Flammability:	1
Reactivity:	0
Special Hazards:	None