

Treibacher Schleifmittel North America, Inc.
 2000 College Avenue MPO Box 1438
 Niagara Falls, NY 14302

Material Safety Data Sheet

TSN MSDS No. 010

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MATERIAL NAME AND TRADE NAMES:

Silicon Carbide:
 SiC, SAS, SiC-DCF, 200/F SiC, 280/F SiC, SAS Carbonite,
 Green Silicon Carbide SiC - ST

HMIS

Health	1
Flammability	0
Reactivity	0
Personal Protection	E

DATE PREPARED: January 3, 2006 (supersedes 4/15/03)

EMERGENCY TELEPHONE NUMBER: (716) 286-1234

CHEMICAL NAME AND SYNONYMS:

Silicon Carbide

CHEMICAL FAMILY:

Refractory Carbide

FORMULA:

NA

SECTION II. HAZARDOUS INGREDIENT INFORMATION

<u>INGREDIENT:</u>	<u>TYPICAL CAS #</u>	<u>%</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>LISTED AS CARCINOGEN</u>
Silicon Carbide	409-21-2	98	10 mg/m ³ *	10 mg/m ³	No
Silicon Dioxide	14808-60-7	0-0.1	0.1 mg/m ³	0.1 mg/m ³	Yes**
Silicon Dioxide	14464-46-1	0-0.05	0.05 mg/m ³	0.05 mg/m ³	Yes**

*Respirable Dust is 5 mg/m³

**Listed as Carcinogen by International Agency for Research on Cancer (IARC)

SECTION III. PHYSICAL AND CHEMICAL PROPERTIES

MELTING POINT (°C): 2500°C	SPECIFIC GRAVITY (H ₂ O = 1): 3.2
BOILING POINT (°C):	NA
PERCENT VOLATILES BY VOLUME (%):	NA
VAPOR PRESSURE (mmHg):	Essentially 0
EVAPORATION RATE (Butyl Acetate = 1):	NA
VAPOR DENSITY (Air = 1):	NA
SOLUBILITY IN WATER:	Insoluble
ODOR: None	APPEARANCE: Black or Green

SECTION IV. FIRE AND EXPLOSION DATA

FLASH POINT: Nonflammable FLAMMABLE LIMITS: NA
 EXTINGUISHING MEDIA: NA
 SPECIAL FIRE FIGHTING PROCEDURES: NA
 UNUSUAL FIRE AND EXPLOSION HAZARD: NA
 BASIC FIRE FIGHTING PROCEDURES: This material does not give a flash point by conventional test methods. Use extinguishing agent suitable for type of surrounding fire.

STABILITY: Stable **CONDITIONS TO AVOID:** NA
INCOMPATIBILITY (MATERIALS TO AVOID): NA

HAZARDOUS DECOMPOSITION PRODUCTS: Due to trace impurities, small amounts of flammable gases may form when mixed with water or some other liquid.

HAZARDOUS POLYMERIZATION: NA **CONDITIONS TO AVOID:** NA

ROUTE OF ENTRY / EFFECTS OF OVEREXPOSURE:

INGESTION: Not intended for ingestion, however if ingested may cause gastrointestinal disturbances.

SKIN: Slightly irritating. Abrasive action may cause cuts and abrasions.

EYE: Slightly irritating. Abrasive action may cause damage to the outer surface of the eye.

INHALATION: Dusts may cause respiratory tract irritation, coughing, shortness of breath. Repeated or prolonged breathing of particles of respirable size may cause lung disease (silicosis, cancer).

SPECIAL TOXIC EFFECTS: NA

INGESTION: If victim is conscious, give 1-3 glasses of water to dilute stomach contents. Get medical attention for gastrointestinal symptoms.

SKIN CONTACT: Wash area of contact thoroughly with soap and water. Get medical attention if irritation persists.

EYE CONTACT: Flush immediately with large amounts of water. Eye lids should be held away from the eyeball to insure thorough rinsing. Get medical attention if irritation persists.

INHALATION: Remove affected person from source of exposure. Get medical attention if irritation persists.

RESPIRATORY PROTECTION: Use NIOSH approved respiratory protection devices when airborne exposure limits are exceeded. Ventilation may be used to control or reduce airborne concentrations.

SKIN PROTECTION: Wear protective work gloves and regularly cleaned work clothing.

EYE PROTECTION: Use NIOSH approved safety glasses or goggles. Do not wear contact lenses when working with this material. Have eye washing facilities readily available where eye contact can occur.

OTHER PROTECTIVE EQUIPMENT: Arm sleeves or barrier creams may be useful in the prevention of dermatitis.

WORK/HYGIENIC PRACTICES: Maintain normal housekeeping procedures for nuisance dust.

SECTION IX. HANDLING AND STORAGE

HANDLING/STORAGE: Use handling procedures which will limit exposure to excessive airborne dust.

SECTION X. ENVIRONMENTAL PRECAUTIONS

SPILL OR RELEASE TO THE ENVIRONMENT: No special procedures are required for clean-up of spills or leaks of this material. Use normal precautions for nuisance dusts as described in SECTION VII.

WASTE DISPOSAL: Dispose of in compliance with all Federal, State, regional, and local laws and regulations. This substance, when discarded or disposed of, is not specifically listed as a hazardous waste in Federal regulations. This substance could become a hazardous waste if it is mixed with or comes in contact with a hazardous waste. In this case check 40 CFR 261 to determine whether it is a hazardous waste. If it is a hazardous waste, regulations at 40 CFR 262, 263, and 264 apply.

SECTION XI. TRANSPORTATION

D.O.T. HAZARD CLASS (49 CFR 172.101): NA
 D.O.T. PROPER SHIPPING NAME (49 CFR 172.101): NA
 D.O.T. LABELS REQUIRED (49 CFR 172.101): NA
 D.O.T. PLACARDS REQUIRED: NA
 BILL OF LADING DESCRIPTION: Silicon Carbide (Low Quartz)

SECTION XII. REGULATIONS**U.S. FEDERAL REGULATIONS**

OSHA STATUS: This product is hazardous under the criteria of the Federal OSHA Communication Standard 29 CFR 1910.1200

TSCA STATUS: On TSCA Inventory

CERCLA REPORTABLE QUANTITY: None

RCRA STATUS: If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal whether the material should be classified as a hazardous waste under 40 CFR 261.20-24.

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES:	None
SECTION 311/312 HAZARDOUS CATEGORIES	Immediate Health Hazard
SECTION 313 TOXIC CHEMICALS	None

STATE REGULATIONS

California: This product contains substance(s) on the State of California Proposition 65: Silica, crystalline.

New Jersey: This product contains no levels of chemicals listed as special hazard substances as defined in New Jersey Worker and Community Right to Know Act, New Jersey Administrative Code, Title 8, Department of Health, Chapter 59, Subchapter 10.

Pennsylvania: This product contains no levels of chemicals listed as special health hazard substances as defined in Pennsylvania Right-to-Know Law, Section 3800.

INTERNATIONAL REGULATIONS**Canadian Workplace Hazardous Materials Information System (WHMIS)**

The following Canadian WHMIS categories apply to this product:

Compressed: - Flammable/Combustible: - Oxidizer: - Acutely Toxic: -
Other Toxic Effects: x Dangerously Reactive: - Corrosive: - Biohazardous: -

Canadian Environmental Protection Act (CEPA)

All substances in this product are listed, as required, on the Domestic Substances List (DSL).

There are no chemicals in this product on the Non-Domestic Substances List.

Definitions:

ACGIH:	American Conference of Governmental Industrial Hygienists
CAS:	Chemical Abstracts Service
EPA:	Environmental Protection Agency
HMIS:	Hazardous Materials Information System
mg/m³:	Milligrams per cubic meter
NIOSH:	National Institute for Occupational Safety and Health
OSHA:	Occupational Safety and Health Administration
PEL:	Permissible Exposure Limit
RCRA:	Resource Conservation and Recovery Act
SARA:	Superfund Amendments and Reauthorization Act
Title III:	Emergency Planning and Community Right to Know Act
Section 302:	Extremely Hazardous Substances
Section 311:	MSDS/List of Chemicals and Hazardous Inventory
Section 312:	Emergency and Hazardous Inventory
Section 313:	Toxic Chemicals and Release Reporting
TLV:	Threshold Limit Value (from ACGIH)
TSCA:	Toxic Substances Control Act

EFFECTIVE DATE: 04/15/03
REPLACES SHEET DATED: 4/17/00

NOTICE: The information presented herein is based on data considered to be accurate as of the date of preparation of this Material Safety Sheet. However, no warranty or representation, express or implied, is made as to the accuracy or completeness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, no responsibility can be assumed by vendor for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.