



SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	2128901	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	FIRM GRIP II - AGGREGATE	EMERGENCY TELEPHONE:	1-800-535-5053
PRODUCT DESCRIPTION:	Black Silicon Carbide Grain	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: Carc. 1A H350 May cause cancer. Classification according to Directive 67/548/EEC or Directive 1999/45/EC T; Toxic R49: May cause cancer by inhalation.	SIGNAL WORD: DANGER	SYMBOL:	
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Information Concerning Particular Hazards for Human and Environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification System:

The classification is according to the latest editions of the EU-lists and extended by company and literature data.

The classification is in accordance with the latest editions of international substances lists and is supplemented by information from technical literature and by information provided by the company.

Labelling according to Regulation (EC) No 1272/2008:

The substance is classified and labelled according to the Globally Harmonized System within the United States (GHS).
The product is classified and labelled according to the CLP regulation.

HAZARD STATEMENTS:

Hazard-Determining Components of Labelling:

Quartz (SiO₂)

HAZARD STATEMENTS:

H350 - May cause cancer.

PRECAUTIONARY STATEMENTS:

Prevention: P281 - Use personal protective equipment as required.

P202 - Do not handle until all safety precautions have been read and understood.

Response: P308+P313 - IF exposed or concerned: Get medical advice/attention.

Disposal: P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

ADDITIONAL INFORMATION:

Restricted to professional users.

Hazard Description:

WHMIS-symbols:

D2A - Very toxic material causing other toxic effects



HMIS Long Term Health Hazard Substances:

14808-60-7 Quartz (SiO₂)

OTHER HAZARDS

Results of PBT and vPvB Assessment:

PBT: Not applicable.

vPvB: Not applicable.

3. Composition / Information on Ingredients

Chemical Name	CAS	Concentration % by Weight
silicon carbide substance with a community workplace exposure limit	CAS: 409-21-2 EINECS: 206-991-8	50-100%
Quartz (SiO ₂) T R49; Xn R48 Carc. 1A, H350	CAS: 14808-60-7 EINECS: 238-878-4	< 1%

Mixtures

Description: Mixture of substances listed below with non-hazardous additions.

Additional Information: For the wording of the listed risk phrases refer to Section 16.

4. First Aid Measures

DESCRIPTION OF FIRST AID MEASURES:

General Information: No special measures required.

After Inhalation: Supply fresh air; consult doctor in case of complaints. Provide oxygen treatment if affected person has difficulty breathing.

After Skin Contact: Brush off loose particles from skin. Clean with water and soap. If skin irritation continues, consult a doctor.

After Eye Contact: Immediately remove contact lenses if possible. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After Swallowing: Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Coughing

Gastric or intestinal disorders.

Hazards: Danger of impaired breathing.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

No further relevant information available.

5. Fire-Fighting Measures

EXTINGUISHING MEDIA:

Suitable Extinguishing Agents: Use fire extinguishing methods suitable to surrounding conditions.

For Safety Reasons Unsuitable Extinguishing Agents: None.

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

No further relevant information available.

ADVICE FOR FIREFIGHTERS:

Protective Equipment: Wear self-contained respiratory protective device. Wear fully protective suit.

Additional Information: No further relevant information available.

6. Accidental Release Measures

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Avoid formation of dust. Ensure adequate ventilation. For large spills, wear protective clothing. For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.

ENVIRONMENTAL PRECAUTIONS:

No special measures required.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:

Pick up mechanically. Send for recovery or disposal in suitable receptacles. Dispose contaminated material as waste according to item 13.

REFERENCE TO OTHER SECTIONS:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7. Handling and Storage

PRECAUTIONS FOR SAFE HANDLING:

Prevent formation of dust. Any unavoidable deposit of dust must be regularly removed. Use only in well ventilated areas. Avoid breathing dust.

Information About Fire - and Explosion Protection: No special measures required.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Requirements to be met by Storerooms and Receptacles: No special requirements.

Information about Storage in One Common Storage Facility: Store away from oxidizing agents.

Further Information about Storage Conditions: Store in cool, dry conditions in well-sealed receptacles. Store receptacle in a well-ventilated area. Protect from humidity and water. This product is hygroscopic.

SPECIFIC END USE(S):

No further relevant information available.

8. Exposure Controls / Personal Protection

ADDITIONAL INFORMATION ABOUT DESIGN OF TECHNICAL FACILITIES: No further data; see item 7.

CONTROL PARAMETERS

Ingredients with limit values that require monitoring at the workplace:	
409-21-2 silicon carbide	
PEL (USA)	Long-term value: 15* 5** mg/m ³ fibrous dust: *total dust **respirable fraction
REL (USA)	Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction
TLV (USA)	Long-term value: 10* 3** mg/m ³ fibrous dust:0,1 f/cc; non-fibrous:*inh.,**resp.
EL (Canada)	Long-term value: 10* 3** mg/m ³ *inhalable,**respirable
EV (Canada)	Long-term value: 10* 3** mg/m ³ , 0,1f/cc*** ppm Non-fibrous: *inh.,**resp.; ***fibrous, resp.
14808-60-7 Quartz (SiO₂)	
PEL (USA)	see Quartz listing
REL (USA)	Long-term value: 0,05* mg/m ³ *respirable dust; See Pocket Guide App. A
TLV (USA)	Long-term value: 0,025* mg/m ³ *as respirable fraction
EL (Canada)	Long-term value: 0,025 mg/m ³ ACGIH A2; IARC 1
EV (Canada)	Long-term value: 0,10* mg/m ³ *respirable fraction

DNELs: No further relevant information available.
PNECs: No further relevant information available.
Additional Information: The lists valid during the making were used as basis.

EXPOSURE CONTROLS

PERSONAL PROTECTIVE EQUIPMENT: Safety glasses



GENERAL PROTECTIVE AND HYGIENIC MEASURES:

The usual precautionary measures are to be adhered to when handling chemicals. Wash hands before breaks and at the end of work. Avoid contact with the eyes. Avoid close or long-term contact with the skin. Do not inhale dust / smoke / mist.

Eye/Face Protection: Safety glasses.

Skin Protection: Protection of Hands: Wear gloves for the protection against mechanical hazards according to NIOSH or EN 388. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Material of Gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Body Protection: Not required under normal conditions of use. Protection may be required for spills.

Respiratory Protection: Suitable respiratory protective device recommended. Use suitable respiratory protective device in case of insufficient ventilation. For spills, respiratory protection may be advisable.

Limitation and Supervision of Exposure into the Environment: No special requirements.

Risk Management Measures: No special requirements.

9. Physical & Chemical Properties

Form:	Granulate	Flammability(solid/gas):	Product is not flammable.
Color:	Black	Danger of Explosion:	Product does not present an explosion hazard.
Odor:	Odorless	Explosive Limit-Lower (%):	Not determined.
Odor Threshold:	Not determined.	Explosive Limit-Upper (%):	Not determined.
pH:	Neutral	Vapor Density:	Not applicable.
Melting Point/Range:	Not determined.	Vapor Pressure:	Not applicable.
Boiling Point/Range:	Undetermined.	Density at 20°C:	3,20 g/cm ³
Viscosity Dynamic:	Not applicable.	Relative Density:	Not determined.
Viscosity Kinematic:	Not applicable.	Solubility in / Miscibility with Water:	Insoluble.
Flash Point:	Not applicable.	Auto/Self-Ignition Temperature:	Not determined.
Evaporation Rate:	Not applicable.	Self-Igniting:	Not determined.
Decomposition Temperature:	4712°F / 2600°C (Sublimation)	Partition Coefficient (n-octanol/water):	Not determined.
Other Information:	No further relevant information available.		

10. Stability & Reactivity Information

REACTIVITY

CHEMICAL STABILITY

THERMAL DECOMPOSITION / CONDITIONS TO BE AVOIDED:

No decomposition if used and stored according to specifications.

POSSIBILITY OF HAZARDOUS REACTIONS:

Reacts with strong acids. Reacts with oxidizing agents. Reacts with strong alkali.

CONDITIONS TO AVOID:

No further relevant information available.

INCOMPATIBLE MATERIALS:

No further relevant information available.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon monoxide and carbon dioxide

11. Toxicological Information

INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY:

Primary irritant effect:

on the skin: No irritant effect.

on the eye: No irritating effect.

Sensitization: No sensitizing effects known.

ADDITIONAL TOXICOLOGICAL INFORMATION:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Carcinogenic if inhaled.

REPEATED DOSE TOXICITY:

May cause damage to organs through prolonged or repeated exposure.

CMR EFFECTS (CARCINOGENICITY, MUTAGENICITY AND TOXICITY FOR REPRODUCTION):

Carc. 1A

12. Ecological Information

TOXICITY

Aquatic Toxicity: Generally not hazardous for water.

PERSISTENCE AND DEGRADABILITY:

No further relevant information available.

BIOACCUMULATIVE POTENTIAL:

Does not accumulate in organisms.

MOBILITY IN SOIL:

No further relevant information available.

ADDITIONAL ECOLOGICAL INFORMATION:

General Notes: Negative ecological effects are, according to the current state of knowledge, not expected.

RESULTS OF PBT AND VPVB ASSESSMENT:

PBT: Not applicable.

vPvB: Not applicable.

OTHER ADVERSE EFFECTS:

No further relevant information available.

13. Disposal Consideration**WASTE TREATMENT METHODS**

Recommendation: Smaller quantities can be disposed of with household waste. Can be reused after reprocessing. Contact waste processors for recycling information. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and non-hazardous wastes. Residual materials should be treated as hazardous.

UNCLEANED PACKAGING:

Recommendation: Disposal must be made according to official regulations.

14. Transportation Information**UN-Number:**

DOT, ADR, ADN, IMDG, IATA: Not regulated.

UN Proper Shipping Name:

DOT, ADR, ADN, IMDG, IATA: Not regulated.

Transport Hazard Class(es):

DOT, ADR, ADN, IMDG, IATA Class: Not regulated.

Packing Group:

DOT, ADR, IMDG, IATA: Not regulated.

Environmental Hazards:

Marine Pollutant: No

Special Precautions for User:

Not applicable.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code UN "Model Regulation":

Not applicable.

15. Regulatory Information**SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE UNITED STATES (USA)****SARA**

Section 355 (extremely hazardous substances): None of the ingredients are listed.

Section 313 (Specific toxic chemical listings): None of the ingredients are listed.

TSCA (Toxic Substances Control Act): All ingredients are listed.

Proposition 65 (California): Chemicals known to cause cancer:

14808-60-7 Quartz (SiO₂)

Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

CARCINOGENIC CATEGORIES:

EPA (Environmental Protection Agency):

None of the ingredients are listed.

IARC (International Agency for Research on Cancer):

14808-60-7 Quartz (SiO₂) 1

TLV (Threshold Limit Value established by ACGIH):

409-21-2 silicon carbide A2

14808-60-7 Quartz (SiO₂) A2

NIOSH-Ca (National Institute for Occupational Safety and Health):

14808-60-7 Quartz (SiO₂)

CANADA

Canadian Domestic Substances List (DSL):

All ingredients are listed.

Canadian Ingredient Disclosure List (limit 0.1%):

None of the ingredients are listed.

Canadian Ingredient Disclosure List (limit 1%):

None of the ingredients are listed.

OTHER REGULATIONS, LIMITATIONS AND PROHIBITIVE REGULATIONS:

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

SUBSTANCES OF VERY HIGH CONCERN (SVHC) ACCORDING TO REACH, ARTICLE 57

None of the ingredients are listed.

CHEMICAL SAFETY ASSESSMENT:

A Chemical Safety Assessment has not been carried out.

16. Other Information

RELEVANT PHRASES:

H350 May cause cancer.
R48 Danger of serious damage to health by prolonged exposure.
R49 May cause cancer by inhalation.

ABBREVIATIONS AND ACRONYMS:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
WHMIS: Workplace Hazardous Materials Information System (Canada)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
Carc. 1A: Carcinogenicity, Hazard Category 1A

DISCLAIMER:

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.