



SAFTEY DATA SHEET
INTERNATIONAL AJM CORP.

1. PRODUCT IDENTIFICATION

TRADE NAME: Silicon Carbide

PRODUCT NUMBER (S): 443-955 | 443-956 | 443-961 | 443-962

CAS NO: 409-21-2

INTENDED USE: MICRO ABRASIVE BLASTING MEDIA

DATE ISSUED: 4/21/2022

SUPERSEDES: 7/11/2006

PREPARED BY:

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2. HAZARD(S) IDENTIFICATION

- **Classification of the substance or mixture**
- **Additional information:**
- **Label elements**
- **GHS label elements**
- **Hazard pictograms:**
- **Signal word Warning : Danger**
- **Hazard-determining component:** Quartz (SiO₂) – CAS # 14808-60-7
- **Hazard statements:** May cause cancer via inhalation
- **Precautionary statements:**
 - Obtain special instructions before use
 - Wear protective gloves/protective clothing/eye protection/face protection.
 - Dispose of contents/containers in accordance with local regulations.
 - Long term exposure can cause lung injury. Risk of injury is dependent on the duration and level of exposure



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3. COMPOSITION / INFORMATION ON INGREDIENTS

CAS NO: 409-21-2

CHEMICAL CHARACTERIZATION

CAS NO. DESCRIPTION: Silicon Carbide > 98%

DANGEROUS COMPONENTS: Quartz (SiO₂) < 0.5%

CAS No: 14808-60-7 - Carc. 1A

4. FIRST AID MEASURES**INHALATION:**

REMOVE TO FRESH AIR. GET MEDICAL ATTENTION FOR ANY BREATHING DIFFICULTY

INGESTION:

GIVE SEVERAL GLASSES OF WATER TO DRINK TO DILUTE. IF LARGE AMOUNTS WERE SWALLOWED, GET MEDICAL ADVICE.

SKIN CONTACT:

BRUSH OFF LOOSE PARTICLES FROM SKIN. CLEAN WITH SOAP & WATER. IF SKIN IRRITATION IS EXPERIENCED, CONSULT A DOCTOR.

EYE CONTACT:

IMMEDIATELY REMOVE CONTACT LENSES IF POSSIBLE. WASH THOROUGHLY WITH RUNNING WATER. GET MEDICAL ADVICE IF IRRITATION DEVELOPS.

INFORMATION FOR A DOCTOR:

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED COUGHING
GASTRIC OR INTESTINAL DISORDERS
BREATHING DIFFICULTY



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4. FIRST AID MEASURES (CONTINUED)

DANGER:

DANGER OF IMPAIRED BREATHING.
SUSPECTED OF CAUSING CANCER.

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 FIGHTING MEASURES THAT SUIT THE ENVIRONMENT

FOR SAFTEY REASONS UNSUITABLE EXTINGUISHING AGENTS:

NONE

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

NO FURTHER RELEVANT INFORMATION AVAILABLE.

ADIVCE FOR FIRE FIGHTERS:

PROTECTIVE EQUIPMENT:

WEAR SELF-CONTAINED RESPIRATORY PROTECTIVE DEVICE
WEAR FULLY PROTECTIVE SUIT

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Use proper respiratory and personal protective equipment.
Use of a MSHA/NIOSH or OSHA/NIOSH approved respirator is recommended.
Minimize the generation of dust.



6. ACCIDENTAL RELEASE MEASURES (CONTINUED)

ENVIORMENTAL PRECAUTIONS:

Do not discharge into drains, watercourse, or on the ground.

METHODS AND MATERIAL FOR CONTAINMENT:

DISPOSE CONTAMINATED AS WASTE ACCORDING TO ITEM 13, SEND FOR RECOVERY OR DISPOSAL IN SUITABLE RECEPTICALS

REFERNCE 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

HANDLING AND PRECAUTIONS FOR SAFE HANDLING:

PREVENT FORMATION OF DUST
ANY DEPOSIT OF DUST WHICH CANNOT BE AVOIDED MUST BE REGULARLY REMOVED
USE ONLY IN WELL VENTILATED AREAS
AVOID BREATHING DUST
DO NOT DRY CLEAN DUST COVERED OBJECTS AND FLOORS.
WASH THOROUGHLY WITH PLENTY OF WATER.

INFORMATION ABOUT PROTECTION AGAINST EXPLOSIONS AND FIRES:

NO SPECIAL MEASURES REQUIRED

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES REQUIREMENTS TO BE MET BY STOREROOMS & RECEPTACLES :

NO SPECIAL REQUIREMENTS

INFORMATION ABOUT STORAGE IN ONE COMMON STORAGE FACILITY:

STORE AWAY FROM OXIDIZING AGENTS.
STORE AWAY FOOD STUFFS

FURTHER INFORMATION ABOUT STORAGE CONDITIONS:

STORE IN COOL, DRY CONDITIONS IN WELL SEALED RECEPTACLES



7. HANDLING AND STORAGE (CONTINUED)

FURTHER INFORMATION ABOUT STORAGE CONDITIONS:

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 SYSTEMS:

NO FURTHER DATA; SEE ITEM 7

CONTROL PARAMETERS

COMPONENTS WITH LIMIT VALUES THAT REQUIRE MONITORING AT THE WORKPLACE:

409-21-2 Silicon Carbide

PEL (USA)	Long-term value: 15*; 15**mg/m ³ *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; nonfibrous:*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 nonfibrous: *inh.,**resp.; ***fibrous, resp.
LMPE (Mexico)	Long-term value: 10* 3** mg/m ³ fibroso:0.1f/cc,A2,F;no fibroso: *inh.,**resp.

14808-60-7 Quartz (SiO₂)

PEL (USA)	see Quartz listing
REL (USA)	Long-term value: 0.05* mg*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
LMPE (Mexico)	Long-term value: 0.025* mg/m ³ A2, *fracción respirable



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8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

EXPOSURE CONTROLS

PERSONAL PROTECTIVE EQUIPMENT:

GENERAL PROTECTIVE AND HYGIENIC FOR HANDLING CHEMICALS SHOULD BE FOLLOWED.
KEEP AWAY FROM FOODSTUFFS, BEVERAGES AND FEED.
WASH HANDS BEFORE BREAKS AND AT THE END OF WORK.
AVOID CONTACT WITH EYES.
AVOID CLOSE OR LONG TERM CONTACT WITH THE SKIN.
DO NO INHAILE DUST / SMOKE / MIST.

ENGINEERING CONTROLS:

NO FURTHER RELEVANT INFORMATION AVAILABLE

BREATHING EQUIPMENT:

USE SUITABLE RESPIRATORY PROTECTIVE DEVICE IN CASE OF INSUFFICIENT VENTILATION. FOR SPILLS, RESPIRATORY PROTECTION MAY BE ADVISABLE.

PROTECTION OF HANDS:

WEAR GLOVES FOR THE PROTECTION AGAINST MECHANICAL HAZARDS ACCORDING TO OSHA & NIOSH RULES. GLOVES ARE ADVISED FOR REPEATED OR PROLONGED CONTACT. 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

EYE PROTECTION:

SAFTEY GLASSES

BODY PROTECTION:

NOT REQUIRED UNDER NORMAL CONDITIONS OF USE.
PROTECTION MAY BE REQUIRED FOR SPILL.



9. PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES GENERAL INFORMATION

APPEARANCE:

FORM: Granulate
COLOR: Grey / Black

ODOR: Odorless
ODOR THRESHOLD: Not determined

PH-VAULE: Not determined

CHANGE IN CONDITION:

MELTING POINT/MELTING RANGE: 2500 °C (4532 °F)
BOILING POINT/BOILING RANGE: Undetermined

FLASH POINT: Not applicable

FLAMMABILITY (SOLID, GASEOUS): Product is not flammable

AUTO-IGNITION TEMPERATURE: Not determined

DECOMPOSITION TEMPERATURE: Not determined

DANGER OF EXPLOSION: Product does not present an explosion hazard

EXPLOSION LIMITS:

LOWER: Not determined
UPPER: Not determined

VAPOR PRESSURE: Not applicable

DENSITY AT 20°C (68°F): 3.20 G/CM³ (32.963 LBS/GAL)

RELATIVE DENISTY: Not determined

VAPOUR DENSITY: Not applicable

EVAPORATION RATE: Not applicable



9. PHYSICAL AND CHEMICAL PROPERTIES (CONTINUED)

SOLUBILITY IN / MISCIBILITY WITH:

WATER: Insoluble

PARTITION COEFFICIENT (N-OCTANOL/WATER): Not determined

VISCOSITY:

DYNAMIC: Not applicable

KINEMATIC: Not applicable

OTHER INFORMATION: No further information

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Chemically stable

CONDITIONS TO AVOID: No decomposition if used and stored according to specifications.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

Possibility of hazardous reactions: None known



11. TOXICOLOGICAL INFORMATION

See Section 8 for the carcinogenic status of Quartz (SiO₂)

12. ECOLOGICAL INFORMATION

TOXICITY

AQUATIC TOXICITY: GENERALLY NOT HAZARDOUS FOR WATER

PERSISTENCE & DEGRADABILITY:

INORGANIC PRODUCT, IS NOT ELIMINABLE FROM WATER BY MEANS OF BIOLOGICAL CLEANING PROCESS.

13. DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

RECOMMENDATION:

SMALLER QUANTITIES CAN BE DISPOSED OF WITH HOUSEHOLD WASTE. CAN BE REUSED AFTER 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 NONHAZARDOUS WASTES. RESIDUAL MATERIALS SHOULD BE TREATED AS HAZARDOUS.

UNCLEANED PACKAGINGS:

DISPOSAL MUST BE MADE ACCORDING TO OFFICIAL REGULATIONS.



14. TRANSPORT 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, ADN, IMDG, IATA: NOT REGULATED

ENVIRONMENTAL HAZARDS

MARINE POLLUTANT: NO

SPECIAL PRECAUTIONS FROM USER: NOT APPLICABLE



15. REGULATORY INFORMATION

SAFTEY, HEALTH AND ENVIRONMENTAL REGULATIONS 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):

None of the ingredients are listed

PROPOSITION 65 (CALIFORNIA)

CHEMICALS KNOWN TO CAUSE CANCER: 14808-60-7 Quartz (SiO₂)

CHEMICALS KNOWN TO CAUSE REPRODUCTIVE TOXICITY FOR FEMALES :
SUBSTANCE NOT LISTED

CHEMICALS KNOWN TO CAUSE REPRODUCTIVE TOXICITY FOR MALES :
SUBSTANCE NOT LISTED

CARCINOGENIC CATAGORIES

EPA (ENVIRONMENTAL PROTECTION AGENCY): SUBSTANCE NOT LISTED

IARC (INTERNATIONAL AGENCY FOR RESEARCH ON CANCER):

14808-60-7 Quartz (SiO₂) – Carc. 1

TLV (Threshold Limit Value established by ACGIH): 409-21-2 Silicon Carbide
14808-60-7 Quartz (SiO₂)

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

14808-60-7 Quartz (SiO₂)

State Right to Know Listings: None of the ingredients are listed.



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15. REGULATORY INFORMATION (CONTINUED)

CANADIAN SUBSTANCE LISTINGS

CANADIAN DOMESTIC SUBSTANCES LIST (DSL): Substance not listed

CANADIAN INGREDIENT DISCLOSURE LIST (LIMIT 0.1%): Substance not listed

CANADIAN INGREDIENT DISCLOSURE LIST (LIMIT 1%): 14808-60-7 Quartz (SiO₂)

For Canada Only:

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.

Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

16. OTHER INFORMATION

THIS INFORMATION IS BASED ON OUR PRESENT KNOWLEDGE. HOWEVER, THIS SHALL NOT CONSTITUTE A GUARANTEE FOR ANY SPECIFIC PRODUCT FEATURES AND SHALL NOT ESTABLISH A LEGALLY VALID CONTRACTUAL RELATIONSHIP.

DATE OF PREPARATION: FEBRUARY 20, 2022



16. OTHER INFORMATION [CONTINUED]

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

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstracts Service (division of the American Chemical Society)

Carc. 1A: Carcinogenicity, Hazard Category 1A

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NOTICE:

THIS SAFTEY DATA SHEET COMPLEMENTS THE TECHNICAL DATA SHEETS BUT DOES NOT REPLACE THEM. THE INFORMATION IS CONTAINS IS BASED ON OUR PRESENT KNOWLEDGE OF THE PRODUCT ON THE DATE INDICATED. IT IS GIVEN IN GOOD FATH, USERS SHOULD BE WARNED ABOUT THE RISKS ASSOCIATED WITH USING THE PRODUCT FOR A DIFFERENT PURPOSE THAN THAT FOR WHICH IT WAS DEVELOPED, AND PARTICULAR FOR WHICH WE ARE NOT QUALIFIED TO GIVE ADVISE.

THESE REGULATORY PRESCRIPTIONS ARE PROVIDED WHICH A VIEW TO HELPING USERS FROM ENSURING THAT THEY ARE NOT REQUIRED TO COMPLY WITH ANY FURTHER PRESCRIPTIONS OTHER THAN THOSE MENTIONED ABOUT CONCERNING PRODUCT POSSESSION AND HANDLING FOR WHICH THEY ARE SOLEY RESPONSIBLE.