



Airbrasive Jet Technologies, LLC

SAFETY DATA SHEET



According to 1907/2006 (REACH) 1272/2008/EC (CLP) and US GHS

Revision: 03-28-2021

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1	Product Identifier	Accu CUT 50, Blend#8, AP114, AP 115, AP128, AP908
	GHS Product Identifier	See Product Identifier Above
	Chemical Name	Mixture (Silicon Carbide)
	Trade Name	See Product Identifier
	CAS No.	409-21-2
	EINECS No.	206-991-8
	REACH Registration No.	01-2119402892-42-0012
1.2	Relevant Identified Uses of the Substance Or Mixture And Uses Advised Against	
	Identified Use(s)	Consult the supplier
	Uses Advised Against	Users are recommended to seek further advice
1.3	Details of the Supplier of the Safety Data Sheet	
	Company Identification	Airbrasive Jet Technologies, LLC
	Address	3461 South Clinton Avenue South Plainfield, NJ 07080
	Telephone	732-529-6225
	Email	support@airbrasive.com
1.4	Emergency Telephone Number	732-529-6225

SECTION 2: HAZARDS IDENTIFICATION

2.1	Classification of the Substance or Mixture	
2.1.1	Classification according to Regulation (EC) No. 1272/2008 (CLP)	
	Classification listed also are applicable to the OSHA GHS hazard Communication Standard (29CFR1910,1200)	
	Hazards Pictogram(s)	 GHS08 Health Hazard
	Carc 1A H350: May cause cancer. Route of exposure inhalative	
	Additional information:	
	Silicon carbide is not contributing to the hazard classification of the product Quartz is the hazard determining component.	
2.2	Label Elements	
2.2.1	Label Elements According to Regulation (EC) No. 1272/2008 (CP)	
	This product is additionally classified and labeled according to the Globally Harmonized System within the United States (GHS).	
	This substance is classified and albeled according ot the CLP regulation.	
	Hazard Pictogram (s)	 GHS08
	Signal Word (s)	DANGER
	Hazard - determining components of labeling: None	
	Hazard Statement (s)	H350 May cause cancer. Route exposure inhalative
	Precautionary Statement (s)	P261 Use Personal protective equipment as required P202 Do not handle until all safety precaution have been read and Understood. P308 + P313 If exposed or concerned. Get medical advice/attention P501 Dispose of contents/container in accordance with local/regional/International regulations.

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Additional Information
Hazard description:
NFPA ratings
(scale 0-4)



Health = 1
Fire = 0
Reactivity = 0

HMIS ratings
(Scale 0-4)



Health = *1
Fire = 0
Reactivity = 0

* indicates long term health hazard from repeated or prolonged exposures.

HMIS Long Term
Health Hazard
Substances

14808-60-7 Quartz (SiO₂)

2.3


Other Hazards
Result of PBT
and vPvB
assessment

pbt: Not applicable
vPvB: Not applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1

Substances
CAS No. description: 409-21-2 silicon carbide
Identification number(s)
EC number: 206-991-8
Dangerous components:

Hazardous Ingredients	%W/W	CAS No.	EC No.	REACH Registration	Hazard Pictogram(s) and Hazard Statement (s)
Quartz (SiO ₂)	<0.5	14808-60-7	238-878-4	NA	 3.6/1A H350

SECTION 4: FIRST AID MEASURES

4.1

Description of First Aid Measures

General Information

After Inhalation:

Take affected persons out into the fresh air.
Provide oxygen treatment if affected person has difficulty breathing. Supply fresh air, consult doctor in case of complaints.

After Skin contact:

Brush off loose particles from skin. If skin irritation is experienced. Consult a doctor. Wash with soap and water.

After Eye Contact:

Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persists, consult a doctor.

After Swallowing:

Rinse out mouth and then drink plenty of water. Do not induce vomiting, call for medical help immediately.

4.2

Most Important Symptoms And Effects Both Acute And Delayed Hazards

Slight irritant effect on eyes. Slight irritant effect on skin and mucous membranes. Breathing difficulty. Coughing.
May cause cancer. Route of exposure inhalative.

4.3

Indication Of The Immediate Medical Attention And Special Treatment Needed

No further relevant information available.

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SECTION 5: FIRE-FIGHTING MEASURES

- | | | |
|-----|--|--|
| 5.1 | Extinguishing Media
Suitable Extinguishing Media:
Unsuitable Extinguishing Media: | Use fire extinguishing method suitable to surrounding conditions.
None |
| 5.2 | Special Hazards Arising From The Substance Or Mixture | No further relevant information |
| 5.3 | Advise for fire Fighters

Additional Information | Wear self-contained respiratory protective device. Wear fully protective suit.

No further relevant information available. |

SECTION 6: ACCIDENTAL RELEASE MEASURES

- | | | |
|-----|--|---|
| 6.1 | Personal Precautions, Protective Equipment And Emergency procedures | Ensure adequate ventilation. Avoid formation of dust. For large spills use respiratory protective device against the effects of fumes/dust/aerosol. For Large spills, wear protective clothing. |
| 6.2 | Environmental Precautions | Do not allow to enter sewer/surfaces or ground water. |
| 6.3 | Methods And Materials For Containment And Cleaning Up | Pick up mechanically. Dispose contaminated materials as waste according to item 13. Send for recovery or disposal in suitable receptacles. |
| 6.4 | 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. |

SECTION 7: HANDLING AND STORAGE

- | | | |
|-----|--|---|
| 7.1 | Precaution For safe Handling

Information About Fire-and Explosion protection | Prevent formation of dust. Do not dry clean dust covered objects and floors. Wash thoroughly with plenty of water. Any unavoidable deposit of dust must be regularly removed. Use only in well ventilated areas.
No special measures required. |
| 7.2 | Conditions for Safe Storage, Including any Incompatibilities: Requirements to be Met by Storerooms And receptacles:

Information about Storage in One Common Storage Facility: Further Information about storage conditions: | No special requirements

Store away from oxidizing agents. Store away from foodstuffs.

None. |
| 7.3 | Specific End Use(s) | No further relevant information available. |

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical facilities: No further Data; see item 7

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

Silicon Carbide	409-21-2	PEL (USA)	Long-term value: 15*, 15** mg/m ³ Fibrous dust, *total dust, **Respirable fraction
		REL (USA)	Long-term value: 10*, 5** mg/m ³ *Total dust, ** Respirable/pyro powd./welding f.
		TLV (USA)	Long-term value: 10* 3** mg/m ³ Fibrous Dust: 0.1 f/cc, non fibrous: * inh., *respirable fraction
		EL (Canada)	Long-term value: 10* 3** mg/m ³ * Inhalable, **Respirable
		EV (Canada)	Long-term value: 10* 3** mg/m ³ 0.1 f/cc ppm Nonfibrous: *inhalable, ** respirable, *** fibrous respirable
Quartz (SiO ₂)	14808-60-7	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

PNECs



No further relevant information

Additional Information: The lists valid during the making were used as basis.

8.2 Exposure Controls

Personal protective equipment:

General Protective and hygienic measures:

8.2	Exposure Controls	
8.2.2	Personal Protective Equipment:	
	General Protective and Hygienic Measures	The usual precautionary measures are to be adhered to when handling chemicals. Immediately remove all soiled and contaminated clothing. Do not inhale dust/smoke/mist. Avoid contact with eyes and skin. Keep away from foodstuff, beverages and feed. Wash hands before breaks and at the end of work.
	Respiratory Protection	Use suitable respiratory protective device when high concentrations are present for spills, respiratory protection may be advisable.
	Eye Protection	Wear safety glasses.
	Protection of hands	Wear Protective gloves
	Body Protection	Not required under normal conditions of use. Protection may be required for spills
	Limitation and supervision of exposure into the environment	No further relevant information available
	Risk management Measures	No further relevant information available. See Section 7 for additional information

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical And Chemical Properties

Appearance	Gradnulate	Color	Black
Odor	Odorless	Odor Threshold (ppm)	Not available
Melting Point (°C)/ Freezing Point (°C)	Not available	Boiling Point/Boiling Range (°C)	Not available
Flash Point (°C)	No Data	Explosive Unit Ranges	Not available
Auto Ignition Temperature (°C)	Not available	Decomposition Temperature (°C)	Not available
Explosive Properties	None	Oxidizing Properties	Not available
Flammability (Solid, Gas)	Not available	Ph (Value)	Not available
Evaporation Rate	N/A	Vapor pressure (mm Hg)	Not available
Vapor Density (Air=1)	N/A	Density (g/ml)	3.19 g/cm ³
Solubility (Water)	Insoluble	Solubility (Other)	Not available
Partition Coefficient (N- Octanol/Water)	Not available	Viscosity (mPa.5)	Not available

9.2 Other Information Volatile Organic Chemical (VOC) Content—Not available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

10.2 Chemical Stability

Thermal Decomposition / conditions To be avoided: No decomposition if used according to specification

10.3 Possibility of Hazardous Reaction Reacts with strong alkali. React with strong oxidizing agents.

10.4 Conditions To Avoid No further relevant information available.

10.5 Incompatible Materials No further relevant information available.

10.6 Hazardous Decomposition Product (s) Possible in traces.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

Primary Irritant Effect:
On the skin: Slight irritant effect on skin an mucous membrane

On the eye: Slight irritant effect on eyes.

Sensitization: No sensitizing effects known.

Additional Toxicological
Information May cause cancer. Route of exposure: Inhalative

Acute effects (acute toxicity,
Irritation and corrosivity): Irritating is inhaled, causing symptoms of coughing and shortness of breath.

Repeated dose Toxicity: May cause damage to organs through prolonged or repeated exposure.
Repeated exposures may result in skin and/or respiratory sensitivity.

CMR effects (carcinogenity,
Mutagenicity, and toxicity for
Reproduction): Carc. 1A

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SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity	No Data
	Aquatic Toxicity	No further relevant information available
12.2	Persistence and Degradability	No further relevant information available
12.3	Bioaccumulative Potential	No further relevant information available
12.4	Mobility in Soil	No further relevant information available
	Additional ecological information: General notes:	Water hazard class 1 (German Regulation) (Self-Assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Danger to drinking water even if small quantities leak into the ground. PBT: Not applicable vPvB: Not applicable
12.5	Result of PBT and vPvB Assessment	No further relevant information available
12.6	Other Adverse Effect	No further relevant information available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Waste Treatment Methods Recommendation	Must not be disposed together with household garbage. Do not allow product reach sewage system. Contact manufacturer for recycling information. Contact waste processors for recycling information. The user of this material has the responsibility to dispose 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 Packaging: Recommendations:	Disposal must be made according to official regulations.

SECTION 14: TRANSPORT INFORMATION

Land Transportation (ADR/RID) (c) (d)		Land Transport (Within USA) (d)	
UN Number	None	UN Number	None
Proper Shipping Name	Not classified as dangerous for transport	Proper Shipping Name	Not classified as dangerous for transport
Transport Hazard Class (es)	None	Transport Hazard Class (es)	None
Packing Group	None	Packing Group	None
Hazard label (s)	None	Hazard label (s)	None
Environmental hazard	None	Environmental hazard	None
Special Precaution for User	None	Special Precaution for User	None
Sea Transport (IMDG) (c)		Air Transport (ICAO/IATA) (c) (d)	
UN Number	None	UN Number	None
Proper Shipping Name	Not classified as dangerous for transport	Proper Shipping Name	Not Classified as dangerous for transport
Transport Hazard Class (es)	None	Transport Hazard Class (es)	None
Packing Group	None	Packing Group	None
Hazard label (s)	None	Hazard label (s)	None
Maritime Pollutant	None	Maritime Pollutant	None
Special Precaution for User	None	Special Precaution for User	None
(c) Consult with transport provider			
(d) Check relevant regulations for Special Provisions			
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code			

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SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health and Environmental Regulations/Legislation Specific For The Substance or Mixture

USA		
SARA		
Section 355 (extremely hazardous Substance)	Substance is not listed	
SARA 313 (Specific toxic Chemical listings)	Substance is not listed	
TSCA (Toxic Substance Control Act)	Substance is listed	
Proposition 65(California)		
Chemical known to cause cancer	14808-60-7 Quartz (SiO ₂)	
Chemicals known to cause reproductive Toxicity for female	Substance is not listed	
Chemical known to cause reproductive Toxicity for male	Substance is not listed	
Chemical known to cause developmental toxicity	Substance is not listed	
Carcinogenic Categories		
EPA (Environmental Protection Agency)	Substance is not listed	
IARC (International Agency for Research) on Cancer	14808-60-7 Quartz (SiO ₂)	1
TLV (threshold Limit Value established by ACGIH)	409-21-2 Silicon Carbide	A2
	14808-60-7 Quartz (SiO ₂)	A2
MAK (German Maximum Workplace Concentration)	409-21-2 Silicon Carbide	2
NiOSH-Ca (National Institute for Occupational Safety and Health) Canada	14808-60-7 Quartz (SiO ₂)	1
	14808-60-7 Quartz (SiO ₂)	
Canada		
Canadian Domestic Substance List (DSL)	Substance is listed	
Canadian Ingredient Disclosure list (limit 0.1%)	Substance is not listed	
Canada Ingredient Disclosure list (limit 1%)	Substance is not listed	
Other regulations, limitations and prohibitive regulations		
Substances of very high concern (SVHC)	Substance is not listed	
According to REACH, Article 57		

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out

SECTION 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.

Additional Information:

- The accumulation of airborne dust particles may lead to health and safety risks in some case. The use of good industrial practices will mitigate this risk.
- The health risk from inhalation of dust particles vary; this is due to particle concentration, exposure length, number of exposures and type of particles inhaled. Please read Section 2,4,6,7 and 8 of the SDS to understand these potential risks. Wear personal protective equipment and follow storage and handling procedures to maintain a safe workplace.
- In rare instances, combustible dusts may represent a potential explosion hazard when airborne. This hazard is often associated with organic dust such as foodstuff and coal, but may also occur with mineral products. While the majority of our products would be considered non-combustible, the overall airborne environment should be considered when determining the need for mitigation from the potential hazard. Consult recognized experts when necessary in order to determine any possible hazard.

Please read the SDS for specific information concerning these hazards, and contact us with any further questions. We appreciate your continued business.

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ABBREVIATION AND ACRONYMS:

ADR	Accord european sur le transfort des mechandises dangereuses per Route (European Agreement concerning the International Carriage of Dangerous Good by Road)
IMDG	International Maritime Code for Dangerous Goods
DOT	US Department of Transportation
IATA	International Air Transport Association
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
ACGIH	American Conference of Governmental Industrial Hygienists
EINECS	European Inventory of Existing Commercial Chemical Substance
ELINCS	European List of Mortified Chemical Substances
CAS	Chemical Abstract Service (Division of the American Chemical Society)
NFPA	National Fire Protection Association (USA)
HMIS	Hazardous materials Identification System (USA)
LC50	Lethal Concentration, 50 percent
LD50	Lethal dose, 50 percent