



Airbrasive Jet Technologies, LLC

SAFETY DATA SHEET

Date: 03-15-2021

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

- | | | |
|-----|--|---|
| 1.1 | Product Identifier | AccuPEEN 44, Blend #9, AP116, AP117, AP909 |
| | GHS Product Identifier | AccuPEEN 44, Blend #9, AP116, AP117, AP909 |
| | Chemical Name | Soda lime glass, glass bead |
| | Trade Name | AccuPEEN 44 |
| | CAS No. | 65997-17-3 |
| | EC No. | No information |
| | Reach Registration No. | Not available |
| 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 |
| | E-Mail (Competent Person) | support@airbrasive.com |
| 1.4 | Emergency Telephone Number – CHEMTREC | |
| | | 800-424-9300 (USA/Canada), 703-527-3887 (International) |

SECTION 2: HAZARD IDENTIFICATION

- | | | |
|-------|--|---|
| 2.1 | Classification of the Substance or Mixture | |
| 2.1.1 | Regulation (EC) No. 1272/2008 (CLP) – None | |
| 2.1.2 | Directive 67/548/EEC & Directive 1999/45/EC – None | |
| 2.2 | Label Elements | |
| 2.2.1 | Label Elements According to Regulation (EC) No. 1272/2008 (CLP) | |
| | GHS Product Identifier (EU) | |
| | Hazard Pictogram(s) None | Signal Word(s) None |
| | Hazard Statement(s) None | |
| | Precautionary Statement(s) None | |
| 2.2.2 | Label Elements According to Directive 67/548/EEC & Directive 1999/45/EC | |
| | Hazard Symbol None | |
| | Risk Phrases None | |
| | Safety Phrases None | |
| 2.3 | Other Hazards GHS Classification (USA): | |
| | Not Hazardous under OSHA Hazard Communication Standard | |
| | HMIS: Health – 0, Flammability – 0, Reactivity – 0 | |
| | Hazard Statement(s) None | |
| | Precautionary Statement(s) None | |
| | WHMIS/GHS Classification (Canada): Non-Hazardous under WHMIS. | |
| | D2B – Material Causing Other Toxic Effects (Irritation) | |
| | Hazard Statement(s) None | |
| | Precautionary Statement(s) None | |
| 2.4 | Additional Information | See Section 16 for additional dust hazard information. |
| | Potential Health Effects | |
| | <i>Inhalation</i> | When used for abrasive blasting, this material can fragment into respirable particles. Material as supplied may cause irritation to respiratory tract. |
| | <i>Skin Contact</i> | When used for abrasive blasting, this material can fragment into respirable particles, which is hazardous to skin. Material as supplied is slightly irritating to skin. |
| | <i>Eye Contact</i> | When used for abrasive blasting, this material can fragment into respirable particles, which is hazardous to eyes. Material as supplied is practically non-irritating to eyes |
| | <i>Ingestion</i> | No known hazard. |
| | <i>Physical</i> | Spilled material is extremely slippery. Noise is a major hazard in abrasive blasting processes. Abrasive blasting can generate heat, sparks, and static electrical charge. |

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

EC Classification No. 1272/2008/EC and GHS Classification

Hazardous Ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard Pictogram(s) and Hazard Statement(s)
Glass, oxide; Glass	~100	65997-17-3	NA	NA	None None
Impurities: none known					

EC Classification No. 67/548/EEC

Hazardous Ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard Pictogram(s) and Risk (R) Phrase(s)
Glass, oxide; Glass	~100	65997-17-3	NA	NA	None None
Impurities: none known					

- 3.3 Additional Information** - For full text of H phrases see section 16. For full text of R phrases see section 16. Non-Hazardous ingredients are not listed and make up the balance of the product.

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures	
Inhalation	Remove patient from exposure. Keep patient at rest and give oxygen if breathing difficult. If symptoms develop, obtain medical attention.
Skin Contact	Remove contaminated clothing immediately and drench affected skin with plenty of water. If irritation (redness, rash, blistering) develops, get medical attention.
Eye Contact	Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. Obtain immediate medical attention.
Ingestion	Not applicable.
4.2 Most Important Symptoms And Effects, Both Acute And Delayed	Acute: None known Delayed and Chronic Effects: None known. Not listed by NTP, IARC, or OSHA as a carcinogen.
4.3 Indication Of The Immediate Medical Attention And Special Treatment Needed	Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media	This material is non-combustible.
Suitable Extinguishing Media	This material is compatible with all extinguishing media.
Unsuitable Extinguishing Media	None known.
5.2 Special Hazards Arising From The Substance Or Mixture	A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions.
5.3 Advice For Fire-Fighters	Extinguish preferably with dry chemical, foam or water spray. Spilled material is extremely slippery. Wear rubber boots with slip-resistant soles.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1	Personal Precautions, Protective Equipment And Emergency Procedures	Wear rubber boots with slip-resistant soles, and NIOSH-approved dust respirator where dust occurs. See section 8.
6.2	Environmental Precautions	Sinks in water. No known hazard to aquatic life.
6.3	Methods And Material For Containment And Cleaning Up	Collect mechanically and dispose of according to Section 13. Transfer to a lidded container for disposal or recovery. Avoid dust generation. Ensure adequate ventilation. Do not walk through spilled material.
6.4	Reference To Other Sections	See Also Section 7, 8, 13.
6.5	Additional Information	None

SECTION 7: HANDLING AND STORAGE

7.1	Precautions For Safe Handling	Avoid contact with skin, eyes, and clothing. Wash hands before eating, drinking or smoking. Avoid accumulation of dust. Use only in well-ventilated areas.
7.2	Conditions For Safe Storage, Including Any Incompatibilities	Store in the original container in a cool, dry well-ventilated area. Keep containers tightly sealed.
	Storage Temperature:	Ambient
	Storage Life:	Not available
	Incompatible Materials:	Dissolves in hydrofluoric acid.
7.3	Specific End Use(s)	Consult the supplier.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Control Parameters

8.1.1 Occupational Exposure Limits

Substance	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note:
Glass, oxide; Glass	65997-17-3	-	15 (total dust) 5 (respirable)	-	-	OSHA PEL
		-	10 (inhalable) 3 (respirable)	-	-	ACGIH TLV

8.1.2 Biological Limit Value





Limit Value Type (Country Of Origin)	Substance	CAS No.	Biological Limit Value	Note:
USA	None	None	None	None

8.1.3 PNECs And DNELs

No PNECs or DNELs available for product

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8.2.2 Personal Protection Equipment

	Respirators	Avoid breathing dust. Assess exposure concentrations of all materials involved in the workplace. If concentrations exceed the exposure limits listed in Exposure Guidelines or irritation or other symptoms experienced, follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149.
	Eye Protection	Avoid eye contact. Wear protective eyewear (goggles, face shield, or safety glasses).
	Gloves	Wear heavy canvas or leather protective gloves.
	Body Protection	Avoid skin contact. Wear suitable protective clothing and gloves.
	Engineering Controls	Provide sufficient ventilation, particularly in closed rooms. Maintain employee exposure below applicable permissible exposure limits.
	Other	Handle in accordance with good industrial hygiene and safety practices.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information On Basic Physical And Chemical Properties

Appearance	Glass beads	Color	White
Odor	Odorless	Odor Threshold (ppm)	Not Available
Melting Point (°C) / Freezing Point (°C)	730°C / No information available	Boiling Point/Boiling Range (°C)	Not Available
Flash Point (°C)	Not combustible	Explosive Limit Ranges	Not Available
Auto Ignition Temperature (°C)	Not Available	Decomposition Temperature (°C)	Not Available
Explosive Properties	Not combustible	Oxidizing Properties	Not Available
Flammability (Solid, Gas)	Not Available	pH (Value)	Not Available
Evaporation Rate	Not Available	Vapor Pressure (mm Hg)	Not Available
Vapor Density (Air=1)	Not Available	Density (g/ml)	Not Available
Solubility (Water)	Insoluble	Solubility (Other)	Not Available
Partition Coefficient (n-Octanol/Water)	Not Available	Viscosity (mPa.s)	Not Available

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

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	None under normal conditions.
10.2 Chemical Stability	Stable under normal conditions.
10.3 Possibility Of Hazardous Reactions	None under normal processing.
10.4 Conditions To Avoid	None.
10.5 Incompatible Materials	Dissolves in hydrofluoric acid.
10.6 Hazardous Decomposition Product(s) Product(s)	None known.

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SECTION 11: TOXICOLOGICAL INFORMATION

Substance	CAS No.	LD ₅₀ (Oral, Rat)	LC ₅₀ (Inhalation, Rat)	LD ₅₀ (Dermal, Rat)
Glass, oxide; Glass	65997-17-3	No data	No data	No data
11.1	Information On Toxicological Effects			
11.1.2	Mixtures			
Acute Toxicity <i>Inhalation</i>		Inhalation of the dust may cause breathlessness, coughing, tightness of the chest and difficulty in breathing.		
<i>Skin Contact</i>		Slightly irritating to the skin.		
<i>Eye Contact</i>		Slightly irritating to the eyes.		
<i>Ingestion</i>		No data.		
Irritation		Causes eye irritation. May cause respiratory irritation. May cause transient irritation.		
Corrosivity		No data.		
Sensitization		No data.		
Repeated Dose Toxicity		None known.		
Carcinogenicity		Not recognized as carcinogenic by research agencies (IARC, NTP, OSHA).		
Mutagenicity		No data.		
Toxicity For Reproduction		No data.		
11.2	Other Information	None		

SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity	No known reports of ecotoxicity to the environment.
12.2	Persistence And Degradability	Persistent but inert in aquatic systems.
12.3	Bioaccumulative Potential	The product will not bioaccumulate up the food chain.
12.4	Mobility In Soil	Sinks in water. Insoluble in water.
12.5	Results Of PBT And Vpvt Assessment	No data
12.6	Other Adverse Effects	None known

SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Waste Treatment Methods	Disposed material is not a hazardous waste. Disposal should be in accordance with local, state or national legislation. Containers must not be punctured or destroyed by burning, even when empty.
13.2	Additional Information	None

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SECTION 14: TRANSPORT INFORMATION

Land Transport (ADR/RID) (c)(d)

UN Number None
 Proper Shipping Name Not classified as dangerous for transport.
 Transport Hazard Class(es) None
 Packing Group None
 Hazard Label(s) None
 Environmental Hazards None
 Special Precautions For User None

Land Transport (Within USA) (b)(d)

UN Number None
 Proper Shipping Name Not classified as dangerous for transport.
 Transport Hazard Class(es) None
 Packing Group None
 Hazard Label(s) None
 Environmental Hazards None
 Special Precautions For User None

Sea Transport (IMDG) (c)

UN Number None
 Proper Shipping Name Not classified as dangerous for transport.
 Transport Hazard Class(es) None
 Packing Group None
 Marine Pollutant None
 Special Precautions For User None

Air Transport (ICAO/IATA) (c)(d)

UN Number None
 Proper Shipping Name Not classified as dangerous for transport.
 Transport Hazard Class(es) None
 Packing Group None
 Marine Pollutant None
 Special Precautions For User None

(b)- ORM-D may be applicable within the USA for package sizes less than 30kg.

(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

SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health And Environmental Regulations/Legislation Specific For The Substance Or Mixture

15.1.1 EU Regulations

Authorizations And/or Restrictions On Use	Consult the supplier
European Union (Einecs/Elincs)	All chemicals listed
German WGK Number	Not available

15.1.2 National Regulations

USA

TSCA (Toxic Substance Control Act)	Listed
SARA 311/312 - Hazard Categories	No data
SARA 302 - Extremely Hazardous Substances	Not hazardous
SARA 313 - Toxic Chemicals	Not toxic
CERCLA (Comprehensive Environmental Response Compensation and Liability Act)	Not established
CAA (Clean Air Act 1990)	No data
CWA (Clean Water Act)	No data
State Right to Know Lists	No data

Proposition 65 (California) - This product contains the following substance(s) known to the state of California to cause cancer and/or reproductive harm; None.

Canada

WHMIS Classification	No data
Canada (DSL/NDSL)	No data
Canada Ingredient Disclosure List (CIDL)	No data

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15.2 Chemical Safety Assessment

Glass is regarded by FDA as Generally Recognized As Safe (GRAS) for use in contact with food.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

LEGEND

ACGIH	American Conference Of Governmental Industrial Hygienists	NA	Not Applicable, Not Available
AICS	Australian Inventory Of Chemical Substances	NIOSH	National Institute For Occupational Safety And Health
ANSI	American National Standards Institute	ND	Not Determined
atm	Atmosphere (Pressure Unit)	NFPA	National Fire Prevention Association
BOD	Biological Oxygen Demand	NTP	National Toxicology Program
CAS	Chemical Abstracts Service	OC	Open Cup
CC	Closed Cup	OSHA	Occupational Safety And Health Administration
CDTA	Chemical Drug And Trafficking Act	Part	Partition
COC	Cleveland Open Cup	PEL	Permissible Exposure Limits
COD	Chemical Oxygen Demand	ppb	Parts Per Billion
coeff.	Coefficient	PPE	Personal Protective Equipment
CFR	Code Of Federal Regulations	ppm	Parts Per Million
CPR	Cardio-Pulmonary Resuscitation	psi	Pounds Per Square Inch
DEA	Drug Enforcement Agency	RCRA	Resource Conservation And Recovery Act
DOT	Department Of Transportation	RQ	Reportable Quantity
DSCL	Dangerous Substances Classification And Labeling	RTK	Right To Know
EEC	European Economic Community	SARA	Superfund Amendments And Reauthorization Act
FDA	Food And Drug Administration	STEL	Short-Term Exposure Limit
HMS	Hazardous Materials Information System	SUSDP	Standard For The Uniform Scheduling Of Drugs And Poisons (Australia)
IARC	International Agency For Research On Cancer	TCC	Tagliabue Closed Cup
IDLH	Immediate Danger To Life Or Health	TDG	Transportation Of Dangerous Goods
kg	Kilogram	TPQ	Threshold Planning Quantity
L	Liter	TQ	Threshold Quantity
LC ₅₀	Median Lethal Concentration	TSCA	Toxic Substances Control Act
LD ₅₀	Median Lethal Dose	TWA	Time-Weighted Average
LEL	Lower Explosive Limit	UEL	Upper Explosive Limit
mg	Milligram	WES	Workplace Exposure Standard (New Zealand)
mL	Milliliter	WHMIS	Workplace Hazardous Material Information System

References: RTECS, CAS Registry, EINECS/ESIS, Casarett & Doull's Toxicology, Goldfrank's Toxicological Emergencies, Manufacturer Information

Risk Phrases and Safety Phrases

Not classified as dangerous.

Hazard Statement(s) and Precautionary Statement(s)

None

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Training Advice: None

Additional Information:

- The accumulation of airborne dust particles may lead to health and safety risks in some cases. The use of good industrial practices will mitigate this risk.
- The health risks from inhalation of dust particles vary; this is due to particle concentration, exposure length, number of exposures and type of particles inhaled. Please read Sections 2,4,6,7 and 8 of the MSDS 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 foodstuffs 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 this potential hazard. Consult recognized experts when necessary in order to determine any possible hazard.

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

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