



Airbrasive Jet Technologies, LLC

# SAFETY DATA SHEET



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

Revision: 03-20-2021

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

1.1	Product Identifier	AccuBRADE 10,-50, Blend #3, #5; AP105, AP 106, AP107, AP108 AP123, AP903, AP905
	GHS Product Identifier	See Product Identifier Above
	Chemical Name	Mixture (White Aluminum Oxide)
	Trade Name	See Product Identifier
	CAS No.	1344-28-1
	EINECS No.	215-691-6
	REACH Registration No.	01-2119529248-35-0043
1.2	Relevant Identified Uses of the Substance Or Mixture And Uses Advised Against	
	Application of the Substance/the mixture	Product component
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)	
	The product is not classified as hazardous according to the Globally Harmonized System (GHS).	
	The product is not classified as hazardous to OSHA GHS regulation within the United States.	
	The product is not classified as hazardous according to the CLP regulation.	
	<b>Additional information:</b>	
	There are no other hazards not otherwise classified that have been identified.	
	0% of the mixture consists of components (s) of unknown policy.	
2.2	Label Elements	
2.2.1	Label Elements According to Regulation (EC) No. 1272/2008 (CP)	
	This product does not have a classification according to the CLP regulation.	
	The product is not classified as hazardous according to OSHA GHS regulations within the United States.	
	Hazard	Not Regulated
	Pictogram (s)	Signal
	Hazard - determining components of labeling: None	Word (s)
	Hazard	Not Regulated
	Statement (s)	
	NFPA ratings (scale 0-4)	
		Health = 0 Fire= 0 Reactivity=0
	HMIS ratings (Scale 0-4)	
		Health = 0 Fire=0 Reactivity=0
	HMIS Long Term Hazard	None of the ingredients are listed

# SAFETY DATE SHEET

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

Revision: 03-20-2021

2.3	<b>Substances Other Hazards Result of PBT and vPvB assessment</b>	<b>PBT: Not applicable vPvB: Not applicable</b>
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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1	<b>Substances CAS No. Description: 1344-28-1 aluminum oxide</b>
	<b>Identification number(s) EC number: 215-691-6</b>

## SECTION 4: FIRST AID MEASURES

4.1	<b>Description of First Aid Measures</b>	
	<b>General Information</b>	No special measures required.
	<b>After Inhalation:</b>	Supply fresh air, consult doctor in case of complaints.
	<b>After Skin contact:</b>	Brush off loose particles from skin. Wash with soap and water. If skin irritation is experienced, consult a doctor.
	<b>After Eye Contact:</b>	Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persists, consult a doctor.
	<b>After Swallowing:</b>	Rinse out mouth and then drink plenty of water. Do not induce vomiting, call for medical help immediately.
4.2	<b>Most Important Symptoms And Effects Both Acute And Delayed Hazards</b>	Slight irritant effect on eyes.  No further relevant information available.
4.3	<b>Indication Of The Immediate Medical Attention And Special Treatment Needed</b>	No further relevant information available.

## SECTION 5: FIRE-FIGHTING MEASURES

5.1	<b>Extinguishing Media</b>	
	<b>Suitable Extinguishing Media:</b>	Use fire extinguishing methods suitable to surrounding conditions.
	<b>Unsuitable Extinguishing Media:</b>	None
5.2	<b>Special Hazards Arising From The Substance Or Mixture</b>	No further relevant information
5.3	<b>Advise for fire Fighters</b>	Wear self-contained respiratory protective device. Wear fully protective suit.
	<b>Additional Information</b>	No further relevant information available.

# SAFETY DATA SHEET

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

Revision: 03-20-2021

## SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1	<b>Personal Precautions, Protective Equipment And Emergency procedures</b>	Avoid formation of dust. For large spills, wear protective clothing. For large spills <b>use</b> respiratory protective device against the effects of fumes/dust/aerosol. Ensure adequate ventilation.
6.2	<b>Environmental Precautions</b>	No special measure required
6.3	<b>Methods And Materials For Containment And Cleaning Up</b>	Pick up mechanically. Send for recovery or disposal in suitable receptacles. Dispose contaminated materials as waste according to item 13.
6.4	<b>Reference To Other Sections</b>	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	<b>Precaution For safe Handling</b>  <b>Information About Fire-and Explosion protection</b>	Any unavoidable deposit of dust must be regularly removed. Use only in well ventilated areas. Do not dry clean dust covered objects and floors. Wash thoroughly with plenty of water. Prevent formation of dust. No special measures required.
7.2	<b>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:</b>	No special requirements  Store away from oxidizing agents. Store away from foodstuffs. Do not store together with acids.  None.
7.3	<b>Specific End Use (s)</b>	No further relevant information available.

## 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:			
Aluminum Oxide	1344-28-1	PEL (USA)	Long-term value: 15*, 15** mg/m <sup>3</sup> *Total dust, **Respirable fraction
		REL (USA)	Long-term value: 10*, 5** mg/m <sup>3</sup> As Al *Total dust, ** Respirable/pyro powd./welding f.
		TLV (USA)	Long-term value: 1* mg/m <sup>3</sup> As Al; *as respirable fraction
		EL (Canada)	Long-term value: 1,0 mg/m <sup>3</sup> respirable, as Al
		EV (Canada)	Long-term value: 10 mg/m <sup>3</sup> total dust

**DNELs** No further relevant information.

**PNECs** No further relevant information.

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



# SAFETY DATA SHEET

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

Revision: 03-20-2021

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.2 Exposure Controls Personal protective equipment: General Protective and hygienic measures:

8.2	<b>Exposure Controls</b>	
8.2.2	<b>Personal Protective Equipment:</b>	
	<b>General Protective and Hygienic Measures</b>	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 eyes. Do not inhale dust/smoke/mist. Avoid close or long term contact with the skin. Keep away from foodstuffs, beverage and feed.
	<b>Respiratory Protection</b>	Not required under normal condition. Use suitable respiratory protective device when high concentrations are present. For spills, respiratory protection may be advisable.
	<b>Eye Protection</b>	Wear safety glasses.
	<b>Protection of hands</b>	Wear protective gloves
	<b>Body Protection</b>	Not required under normal conditions of use. Protection may be required for spills
	<b>Risk management Measures</b>	No further relevant information available. See Section 7 for additional information

## SECTION 9: STABILITY AND REACTIVITY

### 9.1 Information on Basic Physical And Chemical Properties

Appearance	Powder	Color	According to product specification
Odor	Characteristic	Odor Threshold (ppm)	Not available
Melting Point (°C)/			
Freezing Point (°C)	2050 °C (3812 °F)	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)	3.88 g/cm <sup>3</sup>
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

# SAFETY DATA SHEET

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

Revision: 03-20-2021

## SECTION 10: STABILITY AND REACTIVITY

10.1	<b>Reactivity</b>	
10.2	<b>Chemical Stability</b>	
	<b>Thermal Decomposition / conditions</b>	No decomposition if used according to specification
	<b>To be avoided:</b>	
10.3	<b>Possibility of Hazardous Reaction</b>	Reacts with strong acids and alkali. React with strong oxidising agents.
10.4	<b>Conditions To Avoid</b>	No further relevant information available.
10.5	<b>Incompatible Materials</b>	No further relevant information available.
10.6	<b>Hazardous Decomposition Product (s)</b>	Possible in traces.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on Toxicological Effects

**LD/LC50 values relevant for classification: None**

Primary Irritant Effect:

On the skin:

Slight irritant effect on skin and mucous membranes.

On the eye:

Slight irritant effect on eyes.

Sensitization:

No sensitizing effects known.

Additional Toxicological  
Information

The substance is not subject to classification according to the latest version of the EU lists.

CMR effects (carcinogenicity,  
mutagenicity, and toxicity for  
reproduction):

No further relevant information available.

## SECTION 12: ECOLOGICAL INFORMATION

12.1	<b>Toxicity</b>	No Data
	<b>Aquatic Toxicity</b>	No further relevant information available.
12.2	<b>Persistence and Degradability</b>	Inorganic product is not eliminable from water by means of biological processes.
12.3	<b>Bioaccumulative Potential</b>	Does not accumulate in organism.
12.4	<b>Mobility in Soil</b>	No further relevant information available.
	<b>Additional ecological information:</b>	
	<b>General notes:</b>	Generally not hazardous for water.
12.5	<b>Result of PBT and vPvB</b>	PBT: Not applicable
	<b>Assessment</b>	vPvB: Not applicable
12.6	<b>Other Adverse Effect</b>	No further relevant information available.

## SECTION 13: DISPOSAL CONSIDERATIONS

13.1	<b>Waste Treatment Methods</b>	
	<b>Recommendation</b>	Smaller quantities can be disposed of with household waste. Contact waste processors for recycling information. The user of this material has the responsibility to dispose of unused material, residue 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.
	<b>Uncleaned Packaging:</b>	
	<b>Recommendations:</b>	Disposal must be made according to official regulations.

# SAFETY DATA SHEET

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

Revision: 03-20-2021

## SECTION 14: TRANSPORT INFORMATION

### Land Transportation (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 hazard	None
Special Precaution for User	None

### Land Transport (Within USA) (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 hazard	None
Special Precaution 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
Hazard label (s)	None
Maritime Pollutant	None
Special Precaution 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
Hazard label (s)	None
Maritime Pollutant	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

## 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 listed

TSCA (Toxic Substance Control Act)

Substance is listed

Proposition 65( California)

Chemical known to cause cancer

Substance is not listed

Chemicals known to cause reproductive

Substance is not listed

Toxicity for females

Chemical known to cause reproductive

Substance is not listed

Toxicity for males

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

Substance is not listed

Cancer

TLV (threshold Limit Value established by ACGIH)

1344-28-1 aluminum oxide

A4

MAK ( German Maximum Workplace

1344-28-1 aluminum oxide

2

Concentration)

NiOSH-Ca (National Institute for

Substance is not listed

Occupational Safety and Health) Canada

#### 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 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)

Substance is not listed

According to REACH, Article 57

### 15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out

# SAFETY DATA SHEET

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

Revision: 03-20-2021

## 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 cases. The use of good industrial practices will mitigate this risk.
- The health risk from inhalation of dust particles varies; 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.

### ABBREVIATION AND ACRONYMS:

<b>ADR</b>	European Agreement concerning the International Carriage of Dangerous Goods by Road
<b>IMDG</b>	International Maritime Code for Dangerous Goods
<b>DOT</b>	US Department of Transportation
<b>IATA</b>	International Air Transport Association
<b>GHS</b>	Globally Harmonized System of Classification and Labelling of Chemicals
<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists
<b>EINECS</b>	European Inventory of Existing Commercial Chemical Substances
<b>ELINCS</b>	European List of Notified Chemical Substances
<b>CAS</b>	Chemical Abstract Service (Division of the American Chemical Society)
<b>NFPA</b>	National Fire Protection Association (USA)
<b>HMIS</b>	Hazardous materials Identification System (USA)
<b>LC50</b>	Lethal Concentration, 50 percent
<b>LD50</b>	Lethal dose, 50 percent
<b>WHMIS</b>	Workplace Hazardous Materials Information System (Canada)
<b>DNEL</b>	Derived No-Effect Level (REACH)
<b>PNEC</b>	Predicted No-Effect Concentration (REACH)