



Airbrasive Jet Technologies, LLC

# SAFETY DATA SHEET

Date: 03-15-2021

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

1.1	<b>Product Identifier</b>	AccuCLEAN 50, Blend #4, AP111, AP112, AP904
	<b>GHS Product Identifier</b>	AccuCLEAN 50, Blend #4, AP111, AP112, AP904
	<b>Chemical Name</b>	Sodium Bicarbonate (baking soda)
	<b>Trade Name</b>	AccuCLEAN 50
	<b>CAS No.</b>	144-55-8
	<b>EC No.</b>	205-663-8
	<b>Reach Registration No.</b>	Not available
1.2	<b>Relevant Identified Uses Of The Substance Or Mixture And Uses Advised Against</b>	
	Identified Use(s)	Consult the supplier.
	Uses Advised Against	Users are recommended to seek further advice.
1.3	<b>Details Of The Supplier Of The Safety Data Sheet</b>	
	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	<b>Emergency Telephone Number – CHEMTREC</b>	
		800-424-9300 (USA/Canada), 703-527-3887 (International)

## SECTION 2: HAZARDS IDENTIFICATION

2.1	<b>Classification of the Substance or Mixture</b>	
2.1.1	Regulation (EC) No. 1272/2008 (CLP) – None	
2.1.2	Directive 67/548/EEC & Directive 1999/45/EC – None	
2.2	<b>Label Elements</b>	
2.2.1	<b>Label Elements According to Regulation (EC) No. 1272/2008 (CLP)</b>	
	GHS Product Identifier (EU)	
	Hazard Pictogram(s)	None
	Signal Word(s)	None
	Hazard Statement(s)	None
	Precautionary Statement(s)	None
2.2.2	<b>Label Elements According to Directive 67/548/EEC &amp; Directive 1999/45/EC</b>	
	Hazard Symbols	None
	Risk Phrases	None
	Safety Phrases	None
2.3	<b>Other Hazards GHS Classification (USA):</b>	
		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	<b>Additional Information</b>	<b>See Section 16 for additional dust hazard information.</b>
	Potential Health Effects	
	<i>Inhalation</i>	Possible irritation of the respiratory tract (Dust).
	<i>Skin Contact</i>	Mechanical irritation.
	<i>Eye Contact</i>	Mechanical irritation, corneal scratches.
	<i>Ingestion</i>	Mechanical and chemical irritant

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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)
Sodium Bicarbonato	>99	144-55-8	205-633-8	NA	None None
Impurities: Ammonia + Arsenic + Heavy metals + Carbonate + Chloride + Sulfur compounds + Organic volatile impurities = <1.0%					

### EC Classification No. 67/548/EEC

Hazardous Ingredient(s)	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard Pictogram(s) and Risk (R) Phras(es)
Sodium Bicarbonate	>99	144-55-8	205-633-8	NA	None None
Impurities: Ammonia + Arsenic + Heavy metals + Carbonate + Chloride + Sulfur compounds + Organic volatile impurities = <1.0%					

**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

<b>4.1</b>	<b>Description of First Aid Measures</b>	
	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	Avoid ingestion. Do not induce vomiting. Get immediate medical attention.
<b>4.2</b>	<b>Most Important Symptoms And Effects, Both Acute And Delayed</b>	Acute: None known Delayed and Chronic Effects: None known
<b>4.3</b>	<b>Indication Of The Immediate Medical Attention And Special Treatment Needed</b>	Treat symptomatically.

## SECTION 5: FIRE-FIGHTING MEASURES

<b>5.1</b>	<b>Extinguishing Media</b>	
	Suitable Extinguishing Media	Extinguisher suitable for ordinary combustible materials Class A extinguishing agents.
	Unsuitable Extinguishing Media	None known.
<b>5.2</b>	<b>Special Hazards Arising From The Substance Or Mixture</b>	A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions.
<b>5.3</b>	<b>Advice For Fire-Fighters</b>	Extinguish preferably with dry chemical, foam or water spray.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1	Personal Precautions, Protective Equipment And Emergency Procedures	Avoid dust generation. Ensure full personal protection (including respiratory protection) during removal of spillages. (For emergency and non-emergency personnel)
6.2	Environmental Precautions	Ventilation recommended. No special measures are required.
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.
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 Conditions	Avoid contact with skin and eyes. Wash hands before eating, drinking or smoking. Avoid accumulation or dust. Use only in well-ventilated areas.
7.2	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:	Acids, except under controlled conditions

## 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 <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note:
Sodium Bicarbonate	144-55-8	-	5	-	-	Latvia, Czech Republic, Russia

#### 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

	<b>Respirators</b>	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.
	<b>Eye Protection</b>	Avoid eye contact. Wear protective eyewear (goggles, face shield, or safety glasses).
	<b>Gloves</b>	No special precautions required.
	<b>Body Protection</b>	No special precautions required.
	<b>Engineering Controls</b>	Provide sufficient ventilation, particularly in closed rooms. Maintain employee exposure below applicable permissible exposure limits.
	<b>Other</b>	Handle in accordance with good industrial hygiene and safety practices.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>9.1 Information On Basic Physical And Chemical Properties</b>			
Appearance	Crystalline powder, solid	Color	White
Odor	Odorless	Odor Threshold (ppm)	Not Available
Melting Point (°C) / Freezing Point (°C)	Decomposes / 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)	8.3 (1% solution) @ 25°C
Evaporation Rate	Not Available	Vapor Pressure (mm Hg)	Not Available
Vapor Density (Air=1)	Not Available	Density (g/ml)	0.88 g/cm <sup>3</sup> (particle)
Solubility (Water)	9.0% @ 20°C	Solubility (Other)	Not Available
Partition Coefficient (n-Octanol/Water)	Not Available	Viscosity (mPa.s)	Not Available
<b>9.2 Other Information</b>	Volatile Organic Chemical (VOC) Content – Not available.		

## SECTION 10: STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>	None under normal conditions.
<b>10.2 Chemical Stability</b>	Stable under normal conditions.
<b>10.3 Possibility Of Hazardous Reactions</b>	None under normal processing.
<b>10.4 Conditions To Avoid</b>	Heat, flames and sparks. Take precautionary measures against static discharges.
<b>10.5 Incompatible Materials</b>	Except under controlled conditions: Acids
<b>10.6 Hazardous Decomposition Products</b>	Reacts with acids to release carbon dioxide gas and heat

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## SECTION 11: TOXICOLOGICAL INFORMATION

Substance	CAS No.	LD <sub>50</sub> (Oral, Rat)	LC <sub>50</sub> (Inhalation, Rat)	LD <sub>50</sub> (Dermal, Rat)
Sodium Bicarbonate	144-55-8	20% slurry: 4,300 mg/kg 50% slurry: 6,000 mg/kg	No data	No data

**11.1 Information On Toxicological Effects**

**11.1.2 Mixtures**

*Acute Toxicity*

*Inhalation*

Inhalation of the dust may cause breathlessness, coughing, tightness of the chest and difficulty in breathing.

*Skin Contact*

Prolonged contact may cause skin abrasion, redness, and itching.

*Eye Contact*

Eye irritant. May cause tearing and redness.

*Ingestion*

May cause headache, nausea and vomiting.

*Irritation*

Causes eye irritation. May cause respiratory irritation. May cause transient irritation.

*Corrosivity*

Not to be expected.

*Sensitization*

No data.

*Repeated Dose Toxicity*

No data.

*Carcinogenicity*

Not recognized as carcinogenic by research agencies (IARC, NTP, OSHA, ACGIH).

*Mutagenicity*

Not recognized as mutagenic by research agencies (IARC, NTP, OSHA, ACGIH).

*Toxicity For Reproduction*

Not recognized as reproductive toxic by research agencies (IARC, NTP, OSHA, ACGIH).

**11.2 Other Information**

None

## SECTION 12: ECOLOGICAL INFORMATION

<b>12.1</b>	Toxicity	No substances known to be toxic to environment
<b>12.2</b>	Persistence And Degradability	No data
<b>12.3</b>	Bioaccumulative Potential	The product has low potential for bioaccumulation.
<b>12.4</b>	Mobility In Soil	Dissociates into ions
<b>12.5</b>	Results Of PBT And Vpvt Assessment	No data
<b>12.6</b>	Other Adverse Effects	None known

## SECTION 13: DISPOSAL CONSIDERATIONS

<b>13.1</b>	Waste Treatment Methods	Solid or chemical waste generators must determine whether a discarded waste is classified as a hazardous waste. U.S. EPA guidelines for the classifications determination are listed in 40 CFR parts 261.3. Disposal should be in accordance with local, state or national legislation. Containers must not be punctured or destroyed by burning, even when empty.
<b>13.2</b>	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)	No data
SARA 311/312 - Hazard Categories	No data
SARA 302 - Extremely Hazardous Substances	No data
SARA 313 - Toxic Chemicals	No data
CERCLA (Comprehensive Environmental Response Compensation and Liability Act)	No data
CAA (Clean Air Act 1990)	No data
CWA (Clean Water Act)	No data
State Right to Know Lists	No data

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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

<b>15.2</b>	<b>Chemical Safety Assessment</b>	Possible irritant (Respiratory System)
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## 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
HMIS	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 <sub>50</sub>	Median Lethal Concentration	TSCA	Toxic Substances Control Act
LD <sub>50</sub>	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 SDS for specific information concerning these hazards, and contact us with any further questions. We appreciate your continued business.

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