

**Section 1 Identification**

Product Identifier	BROWN-6	CAS#	Mixture
Product Description	Aqueous dispersion of Inorganic brown pigment blend.		
Synonym(s)	(Active chemicals) 734BR Pigment blend		
Relevant Uses	Color additive for latex applications, a proprietary dispersion of American Biltrite, Inc.		
Uses advised against	Not information available.		
Company	Aardvark Colors 245 Kent Ave, Brooklyn, NY 11249	Tel.	(718) 599-7857

Section 2 Hazard Identification

OSHA Regulatory Status **Hazardous** According to the criteria of Federal Hazard Communication HCS 29 CFR 1910.1200.

GHS Mixture Classification Carcinogenicity – Category 1A STOT Repeated Exposure - Category 1 (Lungs)

GHS Pictogram(s)  **Signal Word** **WARNING**

Percentage of mixture consisting of ingredients of unknown toxicity: **%0.5**

Hazard Statements

H350 May cause cancer (inhalation).
H372 Causes damage to organs (lungs) through prolonged or repeated exposure (inhalation).

Precautionary Statements

P202 Do not handle until all safety precautions have been read & understood.
P264 Wash hands thoroughly after handling.
P260 Do not breathe (formed) dust. P405 Store locked up.
P280 Wear protective gloves/clothing, eye protection and dust mask (dust formed).
P308 + P313: If exposed or concerned, get medical advice / attention.
P501 Dispose of contents/container in accordance with local, regional, national & international regulation.

OSHA- HNOC In its original form the active ingredient(s) is classified as a carcinogen dust; however as presented in water based dispersion this hazard is significantly and/or totally diminished. Avoid dust from dried dispersion.

HMIS Rating Index	Health 1 Fire 0 Reactivity 0 Personal E
	0 = Minimal 1 = Slight 2 = Moderate 3 = High 4 = Extreme
	A= Eye / Clothing B= Eye Protection / Gloves E= Eye Protection / Clothing / Dust Mask / Gloves

Remarks: The customer is ultimately responsible for determining the PPE code for use of this material in their process.

Potential Health Effects Dust from dried dispersion may cause mechanical irritation to eyes, irritation and drying of skin.

Section 3 Composition and Information on Ingredients

Product Description	Mixture	Occupational exposure limits, are listed in Section 8.		
Ingredient(s)	CAS#	% by Weight	Hazardous Status	
Hoover 734BR (See breakdown of blend below)*	<u>Mixture</u>	49 - 51	Carcinogen Category 2 STOT Repeated Exposure (lungs) Category 2	
Water	7732-18-5	47 - 49	Not classified	
Sulfonated Naphthalene Condensate, Sodium Salt	Mixture	0 - 2	Not classified	
Suspension additive(s)	Mixture	0 - 0.5	Not classified	



Section 3 Composition and Information on Ingredients (continued)			
Hoover Brown blend (breakdown as a dry powder)	CAS#	% by Weight	Hazardous Status
Iron Oxide Yellow	51274-00-1	36 - 40	Not classified
Iron Oxide Red	1309-37-1	32 -36	Not classified
Iron Oxide Black	12227-89-3	7 - 10	Not classified
Sienna (Earth Minerals)	1317-63-1	5 - 7	Not classified
Talc	14807-96-6	4 - 6	Not classified
Magnesium carbonate	546-93-0	3 - 4	Not classified
Quartz	14808-60-7	0.2 - 0.6	Carcinogen 1A STOT SE -3 / STOT RE- 1

Section 4 First Aid Measures**Description of first-aid measures after exposure**

- Eyes** Immediately flush eyes with plenty of water for 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if eye irritation develops or persists.
- Skin** Wash thoroughly with soap and plenty of water. If skin irritation occurs, seek medical attention.
- Ingestion** If swallowed, Do Not Induce Vomiting. Do not give anything to drink. Call a physician immediately.
- Inhalation** Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get immediate medical attention.

Information for physician, most important symptoms / effects, acute and delayed / over-exposure symptoms

Repeated or prolonged inhalation may damage lungs. May cause cancer. Repeated/prolonged exposure to respirable (airborne) crystalline silica dust will cause lung damage in the form of silicosis.

Indication of any immediate medical attention and special treatment needed, if necessary

If breathing difficulty persists, seek medical advice and provide a copy of this SDS.

Section 5 Fire Fighting Measures

- Remarks** This product is a water based mixture, non-flammable and not readily combustible as supplied.
- Extinguishing Media** Suitable agent(s): Water Spray Foam
Unsuitable for extinguishing agent(s): Dry Powder; CO2
- Decomposition Hazard** Not considered flammable but may burn at high temperatures. Oxides of carbons may form from packaging.
- Advice to fire-fighters** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
- Additional Remarks** Fire extinguishing water runoff should not be allowed to enter into lakes, waterways and/or sewer systems.

Section 6-Accidental Release Measures**Personal precautions, protective equipment and emergency procedures**

- General Handling** Follow good industrial hygienic practices with rubber gloves, safety goggles and an approved NIOSH dust/mist respirator when applicable. Provide adequate ventilation if necessary. Avoid contact and breathing any generated dust if present.
- Personal Protection** Avoid contact with skin, eyes & clothing. Put on appropriate personal protective equipment, e.g. in cases of dust generation wear a respirator. Wear chemically resistant gloves. Use suitable eye protection. Wear suitable coveralls to prevent exposure to the skin.





Section 6-Accidental Release Measures (continued)

Spill Procedure	Prevent further leakage if possible. Spread absorbent material to contain. Spill or vacuum up and place in labeled containers. Avoid creating dust formations, as combustion hazards are possible.
Emergency procedure	No action should be taken involving any personnel risk without suitable training. Keep unnecessary / unprotected personnel from entering spill area. Do not touch spilled material; avoid contact with skin, eyes and clothing. Put on appropriate protective equipment, clothing and/or Tyvek type overall.
Environmental	Contained spilled product if possible. Do not allow to enter water streams and/or sewer systems if spill is not contained. Reporting may be required by your local authorities.
Reference	See Section 7 for information on safe handling. Section 8 for information on personal protection equipment. See Section 13 for disposal information

Section 7 Handling and Storage

Precautions for safe handling (See Section 8 for PPE)

Industrial hygienic Observe good practices prohibit eating, drinking and smoking in work areas. Wash after handling. Persons with a history of skin sensitization problems should not be exposed to this material. Avoid contact with eyes and skin. Launder clothes before reuse.

Conditions for safe storage, including incompatibilities

Temperature **PROTECT FROM FREEZING!** Storage temperature range 50° - 100°F recommended.

Storage Avoid storage of drum in direct sunlight. Keep drums tightly sealed until ready for use.

Incompatibles Avoid strong acids, bases and oxidizing agents.

Maintaining integrity of the mixture

Usage Mix thoroughly before use. Some settling of material may occur on standing. Mixing provides uniform results.

Evaporation/spoilage Reseal drums tightly when not in use to avoid evaporation, contamination and/or spoilage.

Empty drums Empty containers contain product residue and can be hazardous, check regional, national and local regulations. Do not reuse container unless you have determined compatible use.

Other remarks Spilled product may create very slippery conditions, use caution walking into spill area.

Section 8 Exposure Controls and Personal Protection

Exposure Limits **No specific limits are established dispersion;** therefore in the case of brief exposure use of a respiratory filter device is recommended to maintain good industrial hygiene practices to avoid dusts formed from dried dispersion.

Recommended filter device for short-term use: US- N95 EU- Type A/P2

Component Limits

Component(s) Limits	OSHA PEL	ACGIH	NIOSH
Quartz CAS# 14808-60-7	250 mppcf /%SiO ₂ +5 10 mg/m ³ /%SiO ₂ +2	0.025 mg/m ³ TWA	0.05 mg/m ³ TWA
Talc CAS# 14807-96-6	1000 mg/m ³ US IDLH	2 mg/m ³ TWA	2 mg/m ³ TWA

Individual protection measures, such as personal protective equipment (PPE)

PPE Observe good practices prohibit eating, drinking and smoking in work areas. Wash thoroughly after handling. Use properly fitted dust/respirator mask. Wear chemical resistant gloves, and approved safety eye protection. Wash clothing after exposure or wear disposal covering.



Remarks Avoid prolonged or repeated skin contact. Wash thoroughly before eating, drinking, smoking or applying cosmetics. Launder clothes before reuse. End-User: Determine appropriate safety equipment relative to individual manufacturing process/use.

Appropriate engineering controls

Engineering controls are not usually necessary if good industrial hygiene practices are followed. The active ingredient as a dry powder may form explosive dust /air mixtures, avoid creating dust if the dispersion is air dried during processing.

**Section 9 Physical and Chemical Properties**

Physical State	Liquid, aqueous dispersion	Color	Brown
Active Solids	50.0% (±1)	Odor	None - Mild
pH @ 21°C	Minimum 8.0	Odor Threshold	Not determined
Viscosity @ 20°C	100 - 1000 cps (#2 Spindle @ 30 rpm)	Freeze / Boiling Pt	0°C (32°F) / 100 °C (212°F) (Aqueous Portion)
Specific Gravity	~1.58	Flash Point:	Mixture is not flammable as supplied
Solubility - Water	Active solids within dispersion are insoluble.	Melt Point:	No information available
Evaporation Rate:	~ 48.0% (Aqueous Portion)	Vapor Pressure / Density:	No information available
Initial / Range Boiling Point:	100°C / 212°F (water portion)	Decomposition Temperature	No information available
Auto-ignition Temperature:	Mixture is not flammable	Flammability (upper/lower limits):	Mixture is not flammable
Partition coefficient , n-octanol/water	No information available		
Other Information / Remarks	None		

Section 10 Stability and Reactivity

Reactivity	No dangerous reactions reported by the chemical manufacturer under normal conditions of use.
Chemical stability	Stable under normal conditions. Store in original container, keep drum tightly covered.
Possibility of hazardous reactions	None expected.
Conditions to avoid	DO NOT FREEZE! Avoid extreme temperatures, and direct sunlight.
Incompatible materials	Avoid contact with strong acids or bases and oxidizing agents.
Hazardous decomposition products	Hazardous decomposition from burning may produce oxides of carbon gases and smoke.
Additional information	No data.

Section 11 Toxicological Information

Most likely routes of exposure handling this product using good industrial hygiene practices: Eye and skin contact.

Handling Remarks: May cause skin or eye irritation. Ingestion is not likely to be harmful or have adverse effects.

Toxicological Effects Information

Acute toxicity	LD50 Oral	LD50 Dermal	LC50 Inhalation - 4 hr
Brown 732BR	Not classified	Not classified	No data
Quartz	>5000 mg/kg (Rat)	>5000 mg/kg (Rat)	
Sulfonated Naphthalene Condensate, Sodium Salt	> 3000 mg/kg (Rat)	> 2000 mg/kg (rat)	

Irritation / Corrosion	Eye	Skin
Brown 732BR	Not classified	Not classified
Sulfonated Naphthalene Condensate, Sodium Salt	Slight irritant	Mild irritant.

Sensitization Not classified for skin or respiratory.

Mutagenicity Not classified

Reproductive Not classified

Carcinogenicity Quartz (14808-60-7) May cause cancer (inhalation). **IARC Group 1** **NTP:** Known human carcinogen.
 Iron oxide (1309-37-1) May cause cancer (inhalation). **IARC Group 3**



Section 11 Toxicological Information (continued)

STOT –Exposure Single Not classified

Repeated Repeated exposure to respirable (airborne) crystalline silica dust will cause lung damage in the form of silicosis.

Aspiration Hazard Not classified

Acute Toxicity Estimate Percentage of mixture consisting of ingredients of unknown toxicity: 0.5%

Route	<u>Oral</u>	<u>Dermal</u>	
ATE Value of mixture	N/D	N/D	Not considered harmful by ingestion.

Section 12 Ecological Information

Ecological Data / Information on ecological effects

Acute toxicity No data available

Persistence & degradability No data available

Bioaccumulative potential No data available.

PBT / vPvB Assessment The active ingredient is not considered to be persistent, bioaccumulating and toxic (PBT).

Mobility No data available. Aqueous portion will evaporate.

Distribution to Environment An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Other adverse effects Avoid release into ground water, waterways and/or sewage systems.

Section 13 Disposal Consideration

Waste treatment methods Recommendation: Examine possibilities for re-utilization. Product residues and unclean empty containers should be sealed, labeled, and disposed of or recycled according to relevant national and local regulations.

Container Disposal Do not re-use empty containers; the recipient must be warned of any possible hazard that may be caused by residues. Disposal must be made according to official regulations.

RCRA Status Not regulated, and not subject to reporting as it is not identified as a hazardous waste under 40 CFR 261.

Environmental information Do not put into public waterways or sewer systems.

Section 14 Transport Information

Regulatory Info	UN No.	Proper Shipping Name	Classes	Pkg.	Remarks	Label
DOT		Not Regulated				
IATA / IMDG		Not Regulated				

Section 15 Regulatory Information

Safety, health and environmental regulations specific for the mixture

OSHA Hazards (29 CFR 1910.1200) None hazardous as supplied in an aqueous matrix.

SARA Title III Hazards Notification

SARA 302/304 Not classified **SARA 313** Not classified

SARA 311/312 x Hoover 734BR (Iron oxide blend) Delayed (chronic) health hazard




Section 15 Regulatory Information (continued)

TSCA 8(b) All functional components of this product are either exempt or listed on the TSCA Inventory.

Clean Air Act 1990 (CAA, Section 112, 40 CFR 82) Product does not contain any components listed as a hazardous Air Pollutant, Flammable Substance, Toxic Substance or Class 1 or 2 Ozone Depletor.

Clean Water Act (CWA) Product does not contain any components regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA (CFR 302) Product does not contain any components regulated as hazardous substances.

California Prop 65  **WARNING!** This product contains substance(s) known to the state of California to cause cancer.

US Right-to Know	Quartz (14808-60-7)	MA - Right to Know List NJ - Right to Know List Hazardous Substance List PA - Right to Know List
	Talc (14807-96-6)	MA - Right to Know List NJ - Right to Know List Hazardous Substance List PA - Right to Know List
	Magnesium carbonate (546-93-0)	MA - Right to Know List NJ - Right to Know List Hazardous Substance List
	Red Iron Oxide (1309-37-1)	MA - Right to Know List NJ - Right to Know List Hazardous Substance List PA - Right to Know List
	Black Iron Oxide (12227-89-3)	MA - Right to Know List NJ - Right to Know List Hazardous Substance List PA - Right to Know List

International Lists Active ingredient(s) are listed or exempted on the following international inventories:

Australia (AICS)	China (IECSC)	Korea (KECL)	European Union (EINECS / ELINCS)
Canada (DSL)	Japan (METI)	New Zealand (NZIoC)	Philippines (PICCS)

Section 16 Other Information

Other Information Precautions should be taken if the user's process creates dust. Dried dispersion may form hazardous carcinogenic dust. This hazard does not exist as packaged in an aqueous dispersion.

Reference(s) Information compiled from raw material SDS document(s): Hoover Color (Cathay Ind.): 26-May-2015, Rev. 1

Revision Remarks New SDS

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Abbreviation Legend			
OSHA: Occupational Safety and Health Administration	NIOSH: The National Institute for Occupational Safety and Health	ACGIH: The American Conference of Governmental Industrial Hygienists	TWA: Time weighted average
PEL: Permissible exposure limit	REL: Recommended exposure limits	TLV: Threshold limit value	STEL: Short term exposure limit
GHS: Globally Harmonized System	EINECS: European Inventory of Existing Commercial Chemical Society	ELINCS: European List of Notified Chemical Substances	CAS: Chemical Abstracts Service
IATA: International Air Transport Association	IMDG: International Maritime Code for Dangerous Goods	ICO: International Civil Aviation Organization	P: Marine Pollutant
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act	CWA: Clean Water Act	r.a.: read across	HNOC: Hazards not otherwise classified
NOEL: No observed effect level	NOEC: No observed effect concentration	STOT: Specific target organ toxicity	N/D: No data

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