

Section 1-Chemical Product and Company Identification

Product Name	Aardvark Pigment Brown-6	CAS#	Mixture
Company	Aardvark Colors 245 Kent Ave Brooklyn, NY 11249 USA	Tel.	In Case of Emergency (718) 599-7857



Active Chemical(s) Aqueous based dispersion of brown iron oxide.

Section 2-Composition and Information on Ingredients

<u>Ingredient(s):</u>	<u>CAS#</u>	<u>% by Weight</u>	<u>OSHA Hazard*</u>
Brown Iron Oxide	52357-70-7	50.0 (±1)	Y
Water	7732-18-5	<50.0	N
Dispersing Additives	mixture	0-5	N

*Substance(s) marked "Y" are identified as OSHA hazardous chemicals under the criteria of the OSHA Standard (29 CFR 1910.1200). This is not intended to be a complete disclosure of all non-active components within the dispersion.

Section 3-Hazard Identification

Emergency Overview:

- ➔ Inhalation of dust may cause mechanical irritation to respiratory tract.
- ➔ Skin and eye contact may cause mechanical irritation due to abrasion.
- ➔ Active ingredient is listed by IARC as a carcinogen as it may contain crystalline silica at levels >0.1%.

Section 4-First Aid Measures

Eyes: Flush with plenty of water for 15 minutes, occasionally lifting lower & upper eyelids. If irritation persists, seek medical attention.

Skin: Wash thoroughly with non-abrasive soap and water. Launder clothes before reuse. If irritation persists, seek medical attention.

Inhalation: Remove to fresh air. Seek medical attention. In extreme distress administer CPR / oxygen.

Ingestion: If conscious, give person large amounts of water to induce vomiting and consult with a physician.

Section 5-Fire Fighting Measures

Material flammable, explosive, or combustible? Non-flammable as supplied in aqueous dispersion. Ignition temp. = N/A

Auto-Ignition Temperature: N/A **Flash Point:** N/A

Combustion Hazards: Hazardous decomposition may form toxic and irritating fumes. Oxides of carbon monoxide and dioxide.

Special Fire Hazards: Prevent human exposure to smoke, fumes or products of combustion.

Extinguishing Media: Use water spray, chemical foam, dry chemical, or carbon dioxide to extinguish fire.

Protective Equipment: Protect against inhalation of combustion byproducts. Wear self-contained breathing apparatus in confined areas.

Section 6-Accidental Release Measures

Personal Protection: Proper industrial hygienic practices with rubber gloves, safety goggles and an approved NIOSH dust/mist respirator where applicable. Launder clothes before reuse.

Spill Procedure: Cover with absorbent material. Sweep, shovel or vacuum into a closed container. Do not put into public waterways or sewer systems. Dispose of at an approved chemical disposal or incineration facility in compliance with all current local, state and federal regulations.

Section 7-Handling and Storage

Handling: Observe good industrial hygienic practices and safety practices. Avoid prolonged or repeated skin contact. Wash thoroughly before eating, drinking, smoking or applying cosmetics.

Storage: **PROTECT FROM FREEZING.** Storage temperature range 40° - 100°F recommended.
Keep drums covered when not in use to avoid evaporation and/or contamination.

Section 8-Exposure Controls and Personal Protection

Personal Protection:



Exposure Limits: No specific limits are established for this aqueous dispersion; therefore the OSHA limits for nuisance levels should be observed unless otherwise noted. Consult OSHA respiratory protection information 29CFR 1910.134 & American National Standard Institute's Practices of Respiratory Protection Z88.2.

Standard for Particulates: Brown Iron Oxide CAS# 52357-70-7 (solid/powder)

OSHA PNOR- 15 mg/m³ PEL / TWA
Respirable Dust- 5 mg/m³

ACGIH PNOS- 10 mg/m³ TLV / TWA
Respirable Dust- 3 mg/m³

Section 9-Physical and Chemical Properties

Physical State Liquid	Color Brown	pH >8.0	Odor None - Mild
Freeze Point / Boiling Point 32°F / 212°F (water portion)	Specific Gravity ~1.58	% Active Solids (±1%) 50.0	% Volatile (as Water) ≤52.0

Section 10-Stability and Reactivity

Chemical Stability: Stable under normal conditions.

Conditions of Instability: DO NOT FREEZE!

Hazardous Polymerization: Will not occur.

Incompatible Materials: Concentrated acid solutions Material contains manganite which when exposed to acids can liberate hazardous gases.

Section 11-Toxicological Information

Routes of Entry: As supplied primary routes of occupational exposure are eye, skin or ingestion.

Exposure Limits: No exposure limits have been established for this dispersion, see Section 8.

Toxicological Data:

Carcinogenicity Listed by IARC as a carcinogen because it may contain crystalline silica at levels >0.1%.

Chronic Effects Long-term exposure to silica causes silicosis, a form of pulmonary fibrosis. Continued exposure to silica can lead to cardiopulmonary impairment.

Section 12-Ecological Information

Mobility: Liquid

Potential to Bioaccumulation: Unknown, avoid releasing into environment.

Degradability: N/D

Ecotoxicity: N/D

Section 13-Disposal Considerations

Hazardous waste classification under federal regulations (40 CFR Part 261 et seq.) is dependent upon whether the material is a RCRA "listed hazardous waste" or has any of the four RCRA "hazardous waste characteristics":

RCRA Status: Not regulated, and not subject to reporting as it is not identified as a hazardous waste.

Check your state and local regulations, which may be more stringent than the federal regulations. Technical Industries, Inc. provides this data for information only; the person generating the waste is responsible for determining the waste classification and disposal method.

Container Disposal: Empty drums retain residue, observe label safeguards until the drum is clean and/or destroyed.

Section 14-Transport Information

**Aardvark Colors
Aardvark Pigment Brown-6**

MATERIAL SAFETY DATA SHEET

DOT Classification: N/A **DOT Hazard Classification** Non-Regulated

DOT Labeling: N/A
CERCLA Not applicable. Comprehensive Environmental Response Compensation and Liability Act. If this product is accidentally spilled it is not subject to any special reporting. We recommend you contact state and local authorities to determine if there are other local reporting requirements.

Section 15-Regulatory Information

TSCA Inventory Registries: All functional components of this product are either exempt or listed on the TSCA Inventory.

International Registries: This active ingredient is listed on the following inventories:
 EU- EINECS
 Canada DSL Not required – Blended Mixture

SARA Hazards Notification, Title III Rules for active ingredient(s): Brown Iron Oxide CAS# 52357-70-7

Section 302 N/A
Sec. 311 / 312 **Acute Health:** N **Fire:** N **Sudden Release of Pressure:** N
Chronic Health: Y **Reactivity:** N

Section 313 Product does not contain any substances identified as toxic chemicals at de minimis concentrations subject to this rule.

Significant New Use Rule: This product is not subject to a Significant New Use Rule (SNUR).

U.S. State Regulations: R-T-K N/D

California Proposition 65: No components listed.

U.S. Clean Air Act 1990: This product does not contain any components listed as a Hazardous Air Pollutant, Flammable Substance, Toxic Class I or II ozone depleting substance. Or Class 1 or 2 Ozone Depletor.

Clean Water Act: This product does not contain any listed Priority Pollutants.

Handling guidelines for active material and as supplied:

HMIS	(dry)	Aqueous Dispersion	
Health	1	Health	1
Fire	0	Fire	0
Reactivity	0	Reactivity	0
Personal	E	Personal	E

Hazard Rating Index

0 = Minimal 3 = High
 1 = Slight
 2 = Moderate 4 = Extreme

A = Eye / Clothing
 B = Eye Protection / Gloves
 E = Eye Protection / Clothing / Dust Mask / Gloves

SECTION 16-Other Information

Important Note:

This information is furnished without warranty, expressed or implied, as to accuracy or completeness. The information is obtained from various sources including the manufacturer and other third party sources. The information may not be valid under all conditions nor if this material is used in combination with other materials or in any process. Final determination of suitability of any material is the sole responsibility of the user.