

MATERIAL SAFETY DATA SHEET

Aardvark Pigment Yellow-42

Material no.
Specification **139637**
Order Number

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1.17 / US
07/23/2014

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product information

Trade name : Pigment Yellow-42
Use of the Substance / : No VOC aqueous colorant
Preparation
Company : Aardvark Colors
 245 Kent Ave.
 Brooklyn, NY 11249

Telephone : 718-599-7857

Telefax : 718-599-7857

US: CHEMTREC EMERGENCY : 800-424-9300
NUMBER

CANADA: CANUTEC : 613-996-6666
EMERGENCY NUMBER

ProductRegulatory Services : 973-929-8060

2. HAZARDS IDENTIFICATION

*** EMERGENCY OVERVIEW ***

Form-paste **Color-yellow** **Odor-Mild ammonia odor.**

May cause eye, skin and respiratory tract irritation.
May be harmful if swallowed.

POTENTIAL HEALTH EFFECTS

Eye contact

Possibly irritating.
May cause tearing, reddening and/or swelling.

Skin Contact

Possibly irritating.

Inhalation

Contains less than 1% by weight of ammonium hydroxide which may cause respiratory tract irritation.

Ingestion

Possibly irritating.
May be harmful if swallowed.

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Chronic Health Hazard

Prolonged inhalation of iron oxide dust is known to produce a condition known as siderosis. On X-rays it appears to be a benign pneumoconiosis and is not associated with pulmonary fibrosis or disability unless there is concurrent exposure to other fibrosis producing materials such as silica. Because this product is a free-flowing liquid or paste, dust inhalation is not an expected route of exposure.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Information on ingredients / Hazardous components

C.I. Pigment Yellow 42 (Iron oxide)			
CAS-No.	51274-00-1	Percent (Wt./Wt.)	60 - 100 %
ammonia, anhydrous			
CAS-No.	7664-41-7	Percent (Wt./Wt.)	0.1 - 1 %

Other information

This material is classified as hazardous under OSHA regulations.

4. FIRST AID MEASURES

Inhalation

If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If unconscious, evaluate the need for artificial respiration. Get immediate medical attention.

Skin contact

Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Obtain medical attention immediately if symptoms occur. Wash clothing before reuse.

Eye contact

In case of contact, immediately flush eyes with plenty of water. Obtain medical attention if irritation develops.

Ingestion

If swallowed, do NOT induce vomiting. Have victim drink 8-10 ounces of water to dilute material in stomach. Get medical attention immediately. Never give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

Flashpoint not determined

Suitable extinguishing media

In case of fire, use water (flood with water), dry chemical, CO₂ or "alcohol" foam.

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Further information

As in any fire, wear self-contained positive-pressure breathing apparatus, (MSHA/NIOSH approved or equivalent) and full protective gear. Containers can build up pressure if exposed to heat (fire). Cool with water spray.

6. ACCIDENTAL RELEASE MEASURES

Additional advice

Use personal protective equipment as described in Section 8. Absorb spill with inert material and place in a chemical waste container. Obey relevant local, state, provincial and federal laws and regulations. Do not contaminate any lakes, streams, ponds, groundwater, or soil.

7. HANDLING AND STORAGE

Handling

Safe handling advice

Avoid contact with skin, eyes and clothing.

Wash thoroughly after handling.

Follow all MSDS/label precautions even after container is emptied because it may retain product residues.

Storage

Requirements for storage areas and containers

Keep in a dry, cool place.

Keep container closed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Component occupational exposure guidelines

- ammonia, anhydrous

CAS-No. 7664-41-7

Control parameters 25 ppm

35 ppm

50 ppm

35 mg/m³

25 ppm

18 mg/m³

35 ppm

27 mg/m³

Time Weighted Average (TWA):(ACGIH)

Short Term Exposure Limit

(STEL):(ACGIH)

PEL:(OSHA Z1)

Time Weighted Average (TWA)

Permissible Exposure Limit (PEL):(US CA

OEL)

Short Term Exposure Limit (STEL):(US CA

OEL)

Engineering measures

Provide adequate ventilation.

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Personal protective equipment

Respiratory protection

A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.

Hand protection

Use impermeable gloves.

Eye protection

Chemical resistant goggles must be worn.

Skin and body protection

A safety shower and eye wash fountain should be readily available.

To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132) be conducted before using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	paste
Color	yellow
Odor	Mild ammonia odor.

Safety data

pH	8.4 - 9.5
Boiling point/range	> 100 °C
Flash point	not determined
Relative density	1.8
Solubility/qualitative	Solubility in water: Dispersible.

10. STABILITY AND REACTIVITY

Conditions to avoid	Not applicable.
Further information	Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

Component Acute oral toxicity	C.I. Pigment Yellow 42 (Iron oxide) 51274-00-1 LD50 Rat: > 5000 mg/kg
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ammonia, anhydrous
7664-41-7
LD50 Rat: 350 mg/kg

Component Repeated dose toxicity

C.I. Pigment Yellow 42 (Iron oxide)
51274-00-1
Prolonged inhalation of iron oxide dust is known to produce a condition known as siderosis. On X-rays it appears to be a benign pneumoconiosis and is not associated with pulmonary fibrosis or disability unless there is concurrent exposure to other fibrosis producing materials such as silica.

12. ECOLOGICAL INFORMATION

General Ecological Information There is no data available for this product.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL

Advice on disposal

Waste must be disposed of in accordance with federal, state, provincial and local regulations. CONTAINER DISPOSAL: Empty containers by removing the top and inverting to allow all free-flowing product to drain. To meet regulatory criteria, the container is considered empty when less than 3% remains in the container. Additional special handling is not typically required and the empty container can be discarded with other non-hazardous trash. Note: Local disposal regulations may be more stringent and require additional restrictions or precautions. Customers should check with their local disposal company, municipal or state authority. Recycle of plastic or metal containers may require clean rather than empty containers. In this case the containers can be rinsed with water until the containers are considered generally product free.

14. TRANSPORT INFORMATION

D.O.T. Road/Rail

Class	9
UN-No	3082
Packing group	III
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s.

Loading instructions/Remarks

IATA_C	Not dangerous according to transport regulations.
IATA_P	Not dangerous according to transport regulations.
IMDG	Not dangerous according to transport regulations.
CFR_INWTR	USA: Not regulated for transport when package contains less than the reportable quantity listed in section 15 of the msds.
CFR_RAIL	USA: Not regulated for transport when package contains less than the

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CFR_ROAD reportable quantity listed in section 15 of the msds.
USA: Not regulated for transport when package contains less than the reportable quantity listed in section 15 of the msds.

15. REGULATORY INFORMATION

Information on ingredients / Non-hazardous components

This product contains the following non-hazardous components

Water	CAS-No.	7732-18-5	Percent (Wt./Wt.)	30 - 60 %
Styrene/acrylic polymer	CAS-No.		Percent (Wt./Wt.)	1 - 5 %

US Federal Regulations

OSHA

If listed below, chemical specific standards apply to the product or components:

- None listed

Clean Air Act Section (112)

If listed below, components present at or above the de minimus level are hazardous air pollutants:

- None listed

CERCLA Reportable Quantities

If listed below, a reportable quantity (RQ) applies to the product based on the percent of the named component:

- ammonia, anhydrous
CAS-No. 7664-41-7
Reportable Quantity 28571 lbs

SARA Title III Section 311/312 Hazard Categories

The product meets the criteria only for the listed hazard classes:

- Acute Health Hazard

SARA Title III Section 313 Reportable Substances

If listed below, components are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

- None listed

Toxic Substances Control Act (TSCA)

If listed below, non-proprietary substances are subject to export notification under Section 12 (b) of TSCA:

- None listed

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State Regulations

California Proposition 65

A warning under the California Drinking Water Act is required only if listed below:

- None listed

International Chemical Inventory Status

Unless otherwise noted, this product is in compliance with the inventory listing of the countries shown below. For information on listing for countries not shown, contact the Product Regulatory Services Department.

- | | |
|--------------------------|---------------------------|
| • Europe (EINECS/ELINCS) | Listed/registered |
| • USA (TSCA) | Listed/registered |
| • Canada (DSL) | Listed/registered |
| • Australia (AICS) | Listed/registered |
| • Japan (MITI) | Listed/registered |
| • Korea (TCCL) | Listed/registered |
| • Philippines (PICCS) | Not listed/Not registered |
| • China | Not listed/Not registered |

16. OTHER INFORMATION

HMIS Ratings

Health :	1
Flammability :	1
Physical Hazard :	0

Further information

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.