

# Safety Data Sheet

## Super Russet–Luster Pigment

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Page: 1/8

(30322673/SDS\_GEN\_US/EN)

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### 1. Product and Company Identification

Company

Aardvark Colors  
245 Kent Ave.  
Brooklyn, NY 11249, USA

24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300

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### 2. Hazards Identification

**Emergency overview**

CAUTION:  
PROLONGED OR REPEATED EXPOSURE TO DUST MAY CAUSE PULMONARY PROBLEMS.

State of matter: solid  
Colour: red  
Odour: odourless

**Potential health effects**

**Primary routes of exposure:**

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

**Acute toxicity:**

Virtually nontoxic after a single ingestion.

**Irritation / corrosion:**

Inhalation of dust may cause respiratory tract irritation, coughing and breathing difficulties. Contact with the eyes or skin may cause mechanical irritation.

**Chronic toxicity:**

**Repeated dose toxicity:** Prolonged or repeated exposure may cause pulmonary problems. The product has not been tested. The statement has been derived from the properties of the individual components.

**Medical conditions aggravated by overexposure:**

Inhalation of dust could aggravate existing respiratory conditions.

**Potential environmental effects**

**Aquatic toxicity:**

At the present state of knowledge, no negative ecological effects are expected.

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### 3. Composition / Information on Ingredients

| <u>CAS Number</u> | <u>Content (W/W)</u> | <u>Chemical name</u> |
|-------------------|----------------------|----------------------|
| 12001-26-2        | 45.0 - 86.0 %        | Mica-group minerals  |
| 1309-37-1         | 14.0 - 55.0 %        | Iron oxide           |

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### 4. First-Aid Measures

**General advice:**

Remove contaminated clothing.

**If inhaled:**

If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.

**If on skin:**

Wash thoroughly with soap and water. If irritation develops, seek medical attention.

**If in eyes:**

Wash affected eyes for at least 15 minutes under running water with eyelids held open. If irritation develops, seek immediate medical attention.

**If swallowed:**

Rinse mouth and then drink plenty of water. Do not induce vomiting. Seek medical attention if necessary.

**Note to physician**

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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### 5. Fire-Fighting Measures

|                            |                 |                   |
|----------------------------|-----------------|-------------------|
| Flash point:               |                 | not applicable    |
| Autoignition:              |                 | not applicable    |
| Lower explosion limit:     |                 | not applicable    |
| Upper explosion limit:     |                 | not applicable    |
| Flammability:              | does not ignite |                   |
| Self-ignition temperature: |                 | not self-igniting |

**Suitable extinguishing media:**

dry powder, foam

**Unsuitable extinguishing media for safety reasons:**

carbon dioxide

**Hazards during fire-fighting:**

No particular hazards known.

**Protective equipment for fire-fighting:**

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

**Further information:**

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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If exposed to fire, keep containers cool by spraying with water.

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## 6. Accidental release measures

### **Personal precautions:**

Avoid dust formation. Ensure adequate ventilation. Wear suitable personal protective clothing and equipment.

### **Environmental precautions:**

Do not empty into drains.

This product is not regulated by RCRA. This product is not regulated by CERCLA ('Superfund').

### **Cleanup:**

For small amounts: Pick up with suitable appliance and dispose of.

For large amounts: Pick up with suitable appliance and dispose of.

Spills should be contained and placed in suitable containers for disposal.

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## 7. Handling and Storage

### **Handling**

#### **General advice:**

Breathing must be protected when large quantities are decanted without local exhaust ventilation. Avoid contact with the skin, eyes and clothing.

Avoid dust formation. Closed containers should only be opened in well-ventilated areas.

#### **Protection against fire and explosion:**

No special precautions necessary.

See MSDS section 5 - Fire fighting measures. Prevent electrostatic charge accumulation.

### **Storage**

#### **General advice:**

Keep in a cool place. Keep container dry.

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## 8. Exposure Controls and Personal Protection

### **Components with workplace control parameters**

|                     |       |           |  |
|---------------------|-------|-----------|--|
| Mica-group minerals | OSHA  | TWA value | 20 millions of particles per cubic foot of air ; |
|                     | ACGIH | TWA value | 3 mg/m3 Respirable fraction ;                    |
| Iron oxide          | OSHA  | PEL       | 10 mg/m3 fumes/smoke ;                           |
|                     | ACGIH | TWA value | 5 mg/m3 Respirable fraction ;                    |

### **Personal protective equipment**

#### **Respiratory protection:**

Observe OSHA regulations for respirator use (29 CFR 1910.134). Wear a NIOSH-certified (or equivalent) particulate respirator.

#### **Hand protection:**

Chemical resistant protective gloves

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**Eye protection:**

Safety glasses with side-shields.

**General safety and hygiene measures:**

Handle in accordance with good industrial hygiene and safety practice. Due to the colouring properties of the product closed work clothes should be used, to avoid stains during manipulation. Hands and/or face should be washed before breaks and at the end of the shift. Wash soiled clothing immediately.

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## 9. Physical and Chemical Properties

|  |                       |                                     |
|--|-----------------------|-------------------------------------|
| Form:  | powder                |                                     |
| Odour:   | odourless             |                                     |
| Colour:  | red                   |                                     |
| pH value:  | 6.0 - 11.0            | ( 4 %(m))                           |
| Melting temperature:                                   | > 1,000 °C            | The substance / product decomposes. |
| Boiling point:   |                       | not applicable                      |
| Vapour pressure:                                       |                       | not applicable                      |
| Density:   | 3.4 kg/l              | (approx. 20 °C)                     |
| Relative density:                                      | 3.4                   |                                     |
| Bulk density:  | 159 kg/m <sup>3</sup> |                                     |
| Vapour density:  |                       | not applicable                      |
| Partitioning coefficient<br>n-octanol/water (log Pow): |                       | not applicable                      |
| Viscosity, dynamic:                                    |                       | not applicable                      |
| Solubility in water:                                   |                       | insoluble                           |
| Solubility in other solvents:                          |                       | insoluble                           |

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## 10. Stability and Reactivity

**Conditions to avoid:**

No conditions known that should be avoided.

**Substances to avoid:**

No substances known that should be avoided.

**Hazardous reactions:**

No hazardous reactions when stored and handled according to instructions.

The product is chemically stable.

Hazardous polymerization will not occur.

**Decomposition products:**

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

**Oxidizing properties:**

not fire-propagating

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## 11. Toxicological information

**Acute toxicity**

*Information on: Iron oxide*

*Assessment of acute toxicity:*

*Virtually nontoxic after a single ingestion.*

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**Oral:**

Type of value: LD50

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Species: rat

Value: > 2,000 mg/kg

The product has not been tested. The statement has been derived from the properties of the individual components.

#### **Irritation / corrosion**

##### **Skin:**

May cause mechanical irritation.

##### **Eye:**

May cause mechanical irritation.

#### **Repeated dose toxicity**

*Information on: Mica-group minerals*

*Assessment of repeated dose toxicity:*

*Chronic exposures have been known to produce pneumoconiosis (chronic inflammatory and fibrotic lung disease).*

*Information on: Iron oxide*

*Assessment of repeated dose toxicity:*

*The substance may cause increase in lung mass and lung tissue changes after repeated inhalation. The product has not been fully tested. The statements have been derived in parts from products of a similar structure or composition.*

*Chronic exposures have been known to produce pneumoconiosis (chronic inflammatory and fibrotic lung disease).*

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#### **Aspiration Hazard:**

not applicable

#### **Other Information:**

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components. The product has been assessed on the basis of the components' available data. To some extent data gaps exist for individual components. According to our present knowledge and experience dangers which are not covered by the current labeling are not to be expected.

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## **12. Ecological Information**

### **Fish**

Acute:

Fish/LC50 (96 h):

not determined

Chronic:

No data available.

### **Aquatic invertebrates**

Acute:

daphnia/LC50 (48 h):

not determined

Chronic:

No data available.

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**Aquatic plants**

Toxicity to aquatic plants:  
algae/EC50 (72 h):  
not determined

**Microorganisms**

Toxicity to microorganisms:  
bacteria/EC50 (0.5 h):  
not determined

**Degradability / Persistence  
Biological / Abiological Degradation**

Evaluation: The colourant is insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plant

**Other adverse effects:**

The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations. The product has not been tested. The statement has been derived from the properties of the individual components.

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**13. Disposal considerations****Waste disposal of substance:**

Dispose of in a licensed facility. Do not discharge into drains/surface waters/groundwater. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

**Container disposal:**

Uncontaminated packaging can be re-used. Packs that cannot be cleaned should be disposed of in the same manner as the contents.

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**14. Transport Information****Land transport**

USDOT

Not classified as a dangerous good under transport regulations

**Sea transport**

IMDG

Not classified as a dangerous good under transport regulations

**Air transport**

IATA/ICAO

Not classified as a dangerous good under transport regulations

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**15. Regulatory Information****Federal Regulations**

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**Registration status:**

Chemical TSCA, US released / listed

**OSHA hazard category:** OSHA PEL established; ACGIH TLV established**EPCRA 311/312 (Hazard categories):** Acute;**State regulations**

| <u>State RTK</u> | <u>CAS Number</u> | <u>Chemical name</u> |
|------------------|-------------------|----------------------|
| MA, NJ, PA       | 12001-26-2        | Mica-group minerals  |
| MA, NJ, PA       | 1309-37-1         | Iron oxide           |

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**16. Other Information****HMIS III rating**

Health: 1 Flammability: 0 Physical hazard: 0

NFPA and HMIS use a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates extreme danger. Although similar, the two rating systems are intended for different purposes, and use different criteria. The NFPA system was developed to provide an on-the-spot alert to the hazards of a material, and their severity, to emergency responders. The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals.

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