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Version Number: 1.0

1. Identification

Product Identifiers

Product Name: Blood Red Powder (Food Grade)

Product Number: 105003-01L

Recommended Use & Restrictions on Use

Food grade tracing dye

Manufacturer/Supplier

Kingscote Chemicals, Inc.
3334 South Tech Blvd.
Miamisburg, OH 45342
U.S.A.

Emergency Telephone Number

Company Telephone Number: (937) 886-9100

Emergency Telephone (24 hr): INFOTRAC (800) 535-5053 (North America)
+1-352-323-3500 (International)

2. Hazards Identification

Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

Signal Word

Warning

3. Composition/Information on Ingredients

This product is not hazardous according to OSHA 29 DFR 1910.1200. Components not listed are not hazardous or are below reportable limits.

4. First-Aid Measures

First-Aid Measures

Eye Contact

Rinse immediately with plenty of water, also under eyelids, for 15 minutes. If irritation persists seek medical attention.

Skin Contact	Wash thoroughly with plenty of soap and water. If severe irritation occurs seek medical advice.
Inhalation	If affected, remove person to fresh air. If symptoms persist, seek medical advice.
Ingestion	Rinse mouth. DO NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Medical advice if large quantities were swallowed or nausea occurs.

Most Important Symptoms and Effects

Symptoms	Will cause staining of the skin on contact. May cause eye irritation. Inhalation of dust may cause respiratory irritation. Ingestion may cause urine to be red color until the dye has been washed from the system.
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Indication of Any Immediate Medical Attention and Special Treatment Needed

Notes to Physician	Treat symptomatically
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5. Fire-Fighting Measures**Suitable Extinguishing Media**

Carbon dioxide, water spray, foam, dry chemical.

Unsuitable Extinguishing Media

Anything which will create dust clouds.

Specific Hazards Arising from the Chemical

Remote possibility of dust explosion. Burning may produce oxides of carbon and nitrogen (NOx)

Protective Equipment and Precautions for Firefighters

Wear self-contained breathing apparatus, MSHA/NIOOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures**Personal Precautions, Protective Equipment and Emergency Procedures**

Personal Precautions	Use personal protective equipment recommended in Section 8.
Environmental Precautions	Prevent from entering public sewer, water systems, or surface waters.

Methods and Material for Containment and Cleaning Up

Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for Cleaning Up	Sweep up and collect into suitable containers for disposal. Flush area with water.

7. Handling and Storage

Precautions for Safe Handling

Advice on Safe Handling	Handle in accordance with good industrial hygiene and safety practices. Use personal protective equipment recommended in Section 8. Avoid contact with skin, eyes, or clothing. Avoid breathing dusts. Contaminated clothing should be thoroughly washed before reusing.
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Conditions for Safe Storage, Including Incompatibilities

Storage Conditions	Keep container tightly closed and store in a cool, dry, and well-ventilated area. Store away from heat, sparks, open flame, or any other ignition source.
Incompatible Materials	No known incompatible materials.

8. Exposure Controls / Personal Protection**Exposure Guidelines**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.

Engineering Controls

Ensure adequate ventilation, especially in confined areas. Eyewash stations and showers.

Individual Protection Measures, Such as Personal Protective Equipment:

Eye/Face Protection	Avoid contact with eyes. Wear eye protection.
Skin & Body Protection	Wear rubber gloves and appropriate protective clothing.
Respiratory Protection	Not needed with proper ventilation. When ventilation is not adequate wear NIOSH approved mask.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practices.

9. Physical and Chemical Properties**Information on Basic Physical and Chemical Properties**

Physical State	Powder	Odor	N/A
Appearance	Red in color	Odor Threshold	N/A
Property	Values		
pH	N/A		
Melting/Freezing Point	N/A		
Boiling Point/Range	N/A		
Flash Point	Not applicable		
Evaporation Rate	Not applicable		
Flammability (solid, gas)	N/A		
Upper Flammability Limits	Not applicable		
Lower Flammability Limits	Not applicable		
Vapor Pressure	Not applicable		
Vapor Density	Not applicable		
Relative Density	Not applicable		

Specific Gravity	N/A
Solubility	N/A
Partition Coefficient	Not determined
Auto-ignition Temperature	Not determined
Decomposition Temperature	Not determined
Viscosity	Not determined

10. Stability and Reactivity

Reactivity

None known.

Chemical Stability

Stable.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

Keep out of reach of children. Avoid dust formation.

Incompatible Materials

Avoid strong oxidizing materials.

Hazardous Decomposition Products

Oxides of carbon and nitrogen.

11: Toxicological Information

Information on Likely Routes of Exposure

Inhalation	Avoid inhalation of dust.
Ingestion	Ingestion may cause irritation. Do not ingest.
Skin Contact	May cause allergic skin reaction.
Eye Contact	May cause eye irritation. Avoid contact with eyes.

Delayed, Immediate, and Chronic Effects from Short- and Long-Term Exposure

Stain skin. May cause an allergic skin reaction.

Numerical Measures of Toxicity

Not determined.

Symptoms Associated with Exposure

See Section 4 of this SDS for symptoms.

Carcinogenicity

NTP	None
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IARC None

OSHA None

12. Ecological Information

Ecotoxicity

This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Component Information

Not available.

Persistence/Degradability

Not determined

Bioaccumulation

Not determined

Mobility

Not determined.

Other Adverse Effects

Not determined

13. Disposal Considerations

Waste Disposal Methods

Dispose of in accordance with federal, state, and local regulations.

Contaminated Packaging

Do not re-use empty containers. Dispose of containers in accordance with federal, state, and local regulations.

14. Transport Information

Note

See current shipping paper for most up-to-date shipping information, including exemptions and special circumstances.

DOT Not regulated

IATA Not regulated

OMDG Not regulated

15: Regulatory Information

International Inventories

Not determined.

U.S. Federal Regulations

- CERCLA** This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).
- SARA 313** Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.
- CWA (Clean Water Act)** This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

U.S. State Regulations

- California Proposition 65** This product does not contain any Proposition 65 chemicals.
- U.S. State Right-to-Know** This product does not contain any substances regulated under applicable state right-to-know regulations.

16: Other Information

HMIS

Health Hazards	Flammability	Instability	Special Hazards
1	1	0	Not determined

NFPA

Health Hazards	Flammability	Physical Hazards	Personal Protection
1	1	0	X

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Revision Note	New item

Disclaimer

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.

End of Safety Data Sheet