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Page: 1

MSDS Number: 8021045 BL-01

1. PRODUCT AND COMPANY IDENTIFICATION

PS 171

Product Name : COLORTREND PLUS- RED OXIDE
Synonyms : Pigment dispersion
Product Use/Class: Aqueous colorant

Supplier/Manufacturer:

CREANOVA Inc.
Turner Place, P.O. Box 365
Piscataway, NJ 08855
Environmental & Regulatory Affairs, Information Number: 732-981-5016

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients

| | CAS Number | % (Wt./Wt.) |
|------------|-------------|-------------|
| Iron oxide | 001332-37-2 | 30 - 60 % |

See Section 8 for Exposure Guidelines

3. HAZARDS IDENTIFICATION

*** EMERGENCY OVERVIEW ***:

May cause eye, skin and respiratory tract irritation.

POTENTIAL HEALTH EFFECTS

Eye Contact:

According to test results on similar colorant base mixtures, this product is classified as a moderate eye irritant. May cause tearing, reddening and/or swelling.

Skin Contact:

Moderate irritant according to test results on similar base mixtures.

Inhalation:

Possibly irritating.

Ingestion:

Moderately toxic. May be harmful if swallowed.

General:

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.

3. HAZARDS IDENTIFICATION (CONTINUED)

Because this product is a free-flowing liquid or paste, dust inhalation is not an expected route of exposure.

4. FIRST AID MEASURES

FIRST AID

Eye Contact:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes or until all material has been removed. Obtain medical attention.

Skin Contact:

Flush skin with plenty of water. Remove contaminated clothing. Obtain medical attention if irritation develops or persists.

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.

Ingestion:

If swallowed give two glasses of water and induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

5. FIRE FIGHTING MEASURES

Flash Point: Not applicable

Lower Explosive Limit: Not applicable

Flash Point Method: Not applicable

Upper Explosive Limit: Not applicable

OSHA Flammability Classification: None

Autoignition Temperature: Not Determined

Other Flammable Properties:

Contains material that can burn in fire if contained water is evaporated by heat or fire.

Extinguishing Media:

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

5. FIRE FIGHTING MEASURES (CONTINUED)

Fire Fighting Procedures:

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

Steps To Be Taken In Case Material Is Released Or Spilled:

Ventilate area. 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. Use personal protective equipment as described in Section 8.

7. HANDLING AND STORAGE

Handling:

Avoid contact with eyes, skin and clothing. Use with adequate ventilation. Avoid breathing vapor or mist. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Wash thoroughly after handling.

Storage:

Store in a cool, dry place. Keep container closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

| | Value | Limit | Reference |
|------------|----------|-------|------------|
| Iron oxide | 10 mg/m3 | TWA | OSHA |
| | 5 mg/m3 | TWA | ACGIH |
| | N.E. | STEL | OSHA/ACGIH |

Other Exposure Limit Information:

The exposure limit for iron oxide is for dust and fume as Fe.

Engineering Controls:

Use adequate ventilation.

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

Eye Protection:

Use chemical splash goggles.

Skin Protection:

Use impermeable gloves.

Other Protective Equipment:

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

| | |
|-------------------------|--------------------------------|
| Vapor Pressure | : 17 mm Hg @ 68°F |
| Vapor Density (Air = 1) | : Is heavier than air |
| Specific Gravity | : ~2.0 |
| Boiling Point | : >212°F |
| pH @ 100.0% | : 8.0 - 9.5 |
| Viscosity | : 85-100 KU @ 77°F |
| Evaporation Rate | : Is slower than Butyl Acetate |

Other Properties:

Red. Paste. Mild odor. Solubility in water: Dispersible.

10. STABILITY AND REACTIVITY

Stability:

This product is stable under normal storage conditions.

Hazardous Polymerization:

Will not occur under normal conditions.

Conditions To Avoid:

Not Applicable.

Incompatibility With Other Materials:

Oxidizing materials. Strong acids.

11. TOXICOLOGICAL INFORMATION

Component Toxicological Information:

| Chemical Name | Oral LD50 (rat) | Dermal LD50 (rabbit) | Inhalation LC50 (rat) |
|---------------|-----------------|----------------------|-----------------------|
| Iron oxide | > 5000 mg/kg | Not Available | Not Available |

12. ECOLOGICAL INFORMATION

Ecological Information:

No information available.

13. DISPOSAL CONSIDERATIONS

Disposal Method:

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

U.S. DOT Transport Information

Proper Shipping Name: Not regulated

15. REGULATORY INFORMATION

U.S. Federal Regulations

OSHA:

This document has been prepared in accordance with the MSDS requirements of the OSHA Hazard Communication Standard.

15. REGULATORY INFORMATION (CONTINUED)

Clean Air Act Section 112:

This product contains the following components present at or above the OSHA de minimus level and listed as Hazardous Air Pollutants:

None

This product contains the following components present at or above the OSHA de minimus level and listed as Extremely Hazardous Air Pollutants:

None

SARA Section 302:

This product contains the following components listed as Extremely Hazardous Substances:

None

SARA Section 311/312:

Hazard Classifications: Immediate (acute)

SARA Section 313:

This product contains the following substances 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

TSCA:

This product or its components are listed in or exempt from the TSCA inventory requirements.

This product contains the following non-proprietary substances subject to export notification under Section 12(b) of TSCA:

None

State Regulations

California (Proposition 65):

This product contains the following substances known to the State of California to cause cancer:

None

This product contains the following substances known to the State of California to cause adverse reproductive effects:

None

15. REGULATORY INFORMATION (CONTINUED)

International Regulations

Summary of International Chemical Inventory Status

| | |
|-------------|------------------|
| Canada | On inventory |
| Europe | On inventory |
| South Korea | Not on inventory |
| Australia | On inventory |

16. OTHER INFORMATION

HMIS Ratings: Health - 2 Flammability - 1 Reactivity - 0

Ratings Key: 4 = Highest hazard, 0 = Lowest hazard,

 * = Chronic health hazard, N = No rating for powders

NEPA Ratings: Health - 1 Flammability - 1 Reactivity - 0

Ratings Key: 4 = Highest hazard, 0 = Lowest hazard, N = No rating for powders

Key to abbreviations used:

NA Not applicable

NAV Not available

NE Not established

NJTSR No. New Jersey Trade Secret Registry Number

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Revision Summary:

The following MSDS sections were revised since the previous version
November 9, 1999:

2. COMPOSITION/INFORMATION ON INGREDIENTS

The information is furnished without warranty, representation, inducement,
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Before using any product, read its label.

MSDS last page

