

Homestead Finishing Products

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MATERIAL SAFETY DATA SHEET COVER SHEET

VIVITONE #8014 RED OXIDE COLORANT

TELEPHONE NUMBER: 216-631-5309

This product is re-packaged by Homestead Finishing Products. See following MSDS for other emergency contact numbers and manufacturer's material safety data sheet.

DISCLAIMER: J.B. Jewitt Co., Inc., Homestead Finishing Products believes all the information and data given is accurate as of the date of preparation and is offered in good faith, but without warranty or representation. Since conditions of use are beyond our control we disclaim all liability for the use or handling of this product. This information is offered solely for your consideration, investigation, and verification.

MATERIAL SAFETY DATA SHEET**896-1001 AQUA-CHEM®RED IRON OXIDE****ARO****degussa.**

creating essentials

Material no.		Version	3.10 / US
Specification	139367	Revision date	12/01/2006
Order Number		Print Date	07/09/2007
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Comment: Seite: 1
SDB**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product information**

Trade name : 896-1001 AQUA-CHEM®RED IRON OXIDE ARO
Use of the Substance / Preparation : Aqueous industrial colorant
Company : Degussa Corporation
379 Interpace Parkway
Parsippany, NJ 07054
USA

Telephone : 973-541-8000
Telefax : 973-541-8040

US: CHEMTREC EMERGENCY NUMBER : 800-424-9300
CANADA: CANUTEC EMERGENCY NUMBER : 613-996-6666
Product Regulatory Services : 973-541-8060

2. COMPOSITION/INFORMATION ON INGREDIENTS**Information on ingredients / Hazardous components**

Iron Oxide			
CAS-No.	1309-37-1	Percent (Wt./ Wt.)	30 - 60 %
2-(2-methoxyethoxy)ethanol; diethylene glycol monomethyl ether			
CAS-No.	111-77-3	Percent (Wt./ Wt.)	1 - 5 %
2-butoxyethanol; ethylene glycol monobutyl ether			
CAS-No.	111-76-2	Percent (Wt./ Wt.)	1 - 5 %
NJTSR No.56705700001-5020P			
CAS-No.	Trade Secret	Percent (Wt./ Wt.)	1 - 5 %
NJTSR No.56705700001-5043P			
CAS-No.	Trade Secret	Percent (Wt./ Wt.)	1 - 5 %
Stoddard solvent; Low boiling point naphtha - unspecified			
CAS-No.	8052-41-3	Percent (Wt./ Wt.)	0.01 - 1 %

3. HAZARDS IDENTIFICATION***** EMERGENCY OVERVIEW *******Form-paste Color-red Odor-Mild acrylic odor.**

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

POTENTIAL HEALTH EFFECTS**Eye contact**

irritating

May cause tearing, reddening and/or swelling.

Skin Contact

Moderately irritating.

Prolonged or repeated contact may result in defatting and drying of the skin causing skin irritation and dermatitis (rash).

Subchronic absorption of diethylene glycol monomethyl ether has been shown to cause toxic effects to the spleen in tests on laboratory animals.

Inhalation

Possibly irritating.

If misted, causes irritation of mucous membranes, nose, eyes, and throat. May cause coughing and difficulty in breathing.

Ingestion

May cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

May be harmful if swallowed.

Chronic Health Hazard

The NJTSR No. 56705700001-5020P, is moderately toxic and may be harmful if swallowed, inhaled or absorbed through the skin. This material may also stimulate the central nervous system, possibly resulting in restlessness, uncoordination, tremors and convulsions.

Oral doses of Diethylene glycol monomethyl ether that were high enough to cause maternal toxicity in pregnant laboratory test animals also produced birth defects in their offspring. When applied continuously to the skin of laboratory test animals during pregnancy, this material caused slight embryofetal toxicity (delayed development) but no increase in birth defects. The relevance of this information to humans is not known. Overexposure to this material has been suggested as a cause of the following effects in laboratory animals, and may aggravate pre-existing disorders of these organs in humans: kidney damage, liver abnormalities, testis damage.

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.

Ethylene glycol monobutyl ether has caused red blood hemolysis in laboratory animals and secondary injury to the kidney and liver. However, humans appear to be resistant to this effect.

4. FIRST AID MEASURES**Inhalation**

Remove to fresh air.

Cardiopulmonary resuscitation if victim is unconscious, not breathing and heart has stopped beating (no audible heartbeat, no pulse).

Seek medical advice immediately.

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Skin contact

Wash contaminated area with lukewarm gently flowing water for at least 20-30 minutes. Remove contaminated clothing, shoes and leather goods under running water. If symptoms develop or persist, obtain medical attention. Wash clothing before reuse.

Eye contact

In case of contact, immediately flush eyes with plenty of water for at least 30 minutes, while holding eyelids apart.

Do not allow contaminated water to contact the unaffected eye or face during irrigation of an affected eye.

Obtain medical attention.

Ingestion

Do not induce vomiting.

Should vomiting occur, be sure to keep victim's head below hips to avoid aspiration of vomitus into the lungs.

Rinse out mouth with water. Consult a physician.

Never administer anything by mouth to an individual who rapidly losing consciousness, unconscious or convulsing.

5. FIRE-FIGHTING MEASURES**Suitable extinguishing media**

Use water spray or fog, foam, dry chemical or CO₂.

Specific hazards during fire fighting

Burning will produce toxic fumes. Burning will produce hazardous compounds including oxides of: carbon. nitrogen.

Further information

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

6. ACCIDENTAL RELEASE MEASURES**Additional advice**

Absorb spill with inert material, then place in a chemical waste container. After removal, flush contaminated area with water and collect for disposal. Clean up spills immediately. Remove sources of ignition and ventilate area. Use a respirator and other protective equipment as outlined in Section 8.

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**

Wash thoroughly after handling.

Use with adequate ventilation.

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

Avoid contact with skin and eyes.

Storage**Requirements for storage areas and containers**

Keep away from heat. Keep away from sparks, flame and other sources of ignition.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Component occupational exposure guidelines****• Stoddard solvent; Low boiling point naphtha - unspecified**

CAS-No.	8052-41-3	Time Weighted Average (TWA):(ACGIH)
Control parameters	100 ppm	PEL:(OSHA Z1)
	500 ppm	
	2900 mg/m3	Time Weighted Average (TWA)
	100 ppm	Permissible Exposure Limit (PEL):(US CA
	525 mg/m3	OEL)

• 2-butoxyethanol; ethylene glycol monobutyl ether

CAS-No.	111-76-2	Time Weighted Average (TWA):(ACGIH)
	20 ppm	PEL:(OSHA Z1)
	50 ppm	
	240 mg/m3	Skin designation:(OSHA Z1)
	Can be absorbed through the skin.	
	25 ppm	Time Weighted Average (TWA)
	120 mg/m3	Permissible Exposure Limit (PEL):(US CA
		OEL)
	Can be absorbed through the skin.	Skin designation:(US CA OEL)

• Iron Oxide

CAS-No.	1309-37-1	PEL:(OSHA Z1)
	10 mg/m3	
	Fume.	
	5 mg/m3 as Fe	Time Weighted Average (TWA):(ACGIH)
	Dust and fume.	
	5 mg/m3	Time Weighted Average (TWA)
		Permissible Exposure Limit (PEL):(US CA
	Fume.	OEL)
	5 mg/m3	Time Weighted Average (TWA)
		Permissible Exposure Limit (PEL):(US CA
		OEL)

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Respirable fraction.

10 mg/m3

Time Weighted Average (TWA)
Permissible Exposure Limit (PEL):(US CA
OEL)

Total dust.

5 mg/m3

Time Weighted Average (TWA):(ACGIH
NIC)

Respirable fraction.

as Fe

(ACGIH NIC)

Dust and fume.

Included in the regulation but with no data values. See regulation for further details

5 mg/m3

Time Weighted Average (TWA):(ACGIH)

Respirable fraction.

Engineering measures

Local exhaust and mechanical ventilation recommended.

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

Use chemical splash goggles or face shield.

Skin and body protection

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.

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

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Form	paste
Color	red
Odor	Mild acrylic odor.

Safety data

pH	7.5 - 9.0
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Boiling point/range	> 100 °C
Relative density	1.7
Solubility/qualitative	Solubility in water: Appreciable.
Viscosity, dynamic	95 - 120 KU (25 °C)
Relative vapor density	Heavier than air
Solvents and Volatiles Data	% VOC (gm/l) 211.11
Evaporation rate	Slower than butyl acetate

10. STABILITY AND REACTIVITY

Materials to avoid	oxidizing substances Ethylene oxide and guanidinium perchlorate (incompatible with iron oxide.), (danger of explosion)
Hazardous reactions	Product will not undergo hazardous polymerization.
Further information	Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

Product Acute oral toxicity	LD50 Rat: min. 2000 mg/kg
Product Acute inhalation toxicity	LC50 Rat: min. 2.53 mg/l / 4 h
Product Acute dermal toxicity	LD50 Rabbit: min. 2000 mg/kg
Component Skin irritation	2-butoxyethanol; ethylene glycol monobutyl ether 111-76-2 Rabbit / 24 h Irritating to skin. Severe skin irritation Method: Draize Test irritating
Component Eye irritation	2-butoxyethanol; ethylene glycol monobutyl ether 111-76-2 Rabbit Irritating to eyes. Severe eye damage must be expected. Severe eye irritation

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NJTSR No.56705700001-5020P

Trade Secret

corrosive

Component Repeated dose toxicity	2-butoxyethanol; ethylene glycol monobutyl ether 111-76-2 inhalative mouse Testing period: 730 d LOAEL: 0.6025 mg/l target organ/effect: Lungs, Liver
Component Gentoxicity in vitro	2-butoxyethanol; ethylene glycol monobutyl ether 111-76-2 In vitro tests involving bacteria, human and other mammalian cells have indicated that ethylene glycol monobutyl ether may cause weak mutagenic effects. However, it is not possible to conclude that this substance is liable to cause mutagenic effects as the relevance of these tests is questionable since none have been reproduced.
Component carcinogenicity assessment	2-butoxyethanol; ethylene glycol monobutyl ether 111-76-2 Ethylene glycol monobutyl ether has caused malignant and benign tumors in animal experiments.
Component teratogenicity assessment	2-(2-methoxyethoxy)ethanol; diethylene glycol monomethyl ether 111-77-3 Diethylene glycol monomethyl ether has been shown to cause fetotoxicity and teratogenicity via oral route in tests on laboratory animals. 2-butoxyethanol; ethylene glycol monobutyl ether 111-76-2 Oral and inhalation exposure to ethylene glycol monobutyl ether has been shown in animal experiments to cause dose-related fetotoxic effects. Developmental effects, including malformation of the fetus, have been observed at doses that were maternally toxic and marginally reduced fetal weight has been observed at doses that were not maternally toxic in rats. NJTSR No.56705700001-5043P Trade Secret An ingredient in this product has been shown to cause developmental toxicity in laboratory animals in the presence of maternal toxicity.
Product General Toxicity Information	The toxicological properties of this product were based on data from an analogous product.

12. ECOLOGICAL INFORMATION

General Ecological Information No ecotoxicological studies are available.

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13. DISPOSAL CONSIDERATIONS**WASTE DISPOSAL**

Advice on disposal

Waste must be disposed of in accordance with federal, state, provincial and local regulations.

14. TRANSPORT INFORMATION**Transport/further information**

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION**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:

- 2-(2-methoxyethoxy)ethanol; diethylene glycol monomethyl ether
CAS-No. 111-77-3

CERCLA Reportable Quantities

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

- None listed

SARA Title III Section 311/312 Hazard Categories

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

- Acute Health Hazard
- Chronic 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:

- 2-butoxyethanol; ethylene glycol monobutyl ether
CAS-No. 111-76-2

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- 2-(2-methoxyethoxy)ethanol; diethylene glycol monomethyl ether
CAS-No. 111-77-3

Toxic Substances Control Act (TSCA)

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

- None listed

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 Degussa Corporation Product Regulatory Department:

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

16. OTHER INFORMATION**HMIS Ratings**

Health :	2*
Flammability :	1
Physical Hazard :	0

Further information

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

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