

**Homestead Finishing Products**

1935 W 96<sup>th</sup> St. Unit Q

Cleveland, OH 44102

PH: 216-631-5309 FAX: 216-631-5429

**MATERIAL SAFETY DATA SHEET COVER SHEET**

VIVITONE #8010 TRANSPARENT 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**  
**892-1054 AQUA-CHEM®TRANSPARENT RED OXIDE**

degussa.

creating essentials

Material no.		Version	1.9 / US
Specification	139268	Revision date	11/24/2006
Order Number		Print Date	07/09/2007
		Page	1 / 8

Comment: Seite: 1  
SDB

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

**Product information**

Trade name : 892-1054 AQUA-CHEM®TRANSPARENT RED OXIDE  
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**

Diethylene glycol			
CAS-No.	111-46-6	Percent (Wt./ Wt.)	10 - 30 %
Iron Oxide			
CAS-No.	1309-37-1	Percent (Wt./ Wt.)	30 - 60 %

**Other information**

This material is classified as hazardous under OSHA regulations.

**3. HAZARDS IDENTIFICATION**

**\*\*\* EMERGENCY OVERVIEW \*\*\***

**Form**-paste    **Color**-red    **Odor**-Glycol odor.

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

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Order Number		Print Date	07/09/2007
		Page	2 / 8

**POTENTIAL HEALTH EFFECTS**

**Eye contact**

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

**Skin Contact**

Moderately irritating.

**Inhalation**

Moderately irritating.

**Ingestion**

Slightly toxic. May be harmful if swallowed.  
Ingestion of excessive amounts of diethylene glycol causes abdominal discomfort or pain, nausea, vomiting, dizziness, central nervous system effects, kidney damage and cardiopulmonary effects (metabolic acidosis) which may be fatal (estimated human oral lethal dose, 1.0 to 1.2 g/kg) and may cause liver effects.

**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.

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

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**5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media**

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

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		Page	<b>3 / 8</b>

**Specific hazards during fire fighting**

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

**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****Personal precautions**

Wear personal protective equipment; see section 8.

**Environmental precautions**

Obey relevant local, state, provincial and federal laws and regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil.

**Methods for cleaning up**

Ventilate area. Absorb spill with inert material and place in a chemical waste container.

**7. HANDLING AND STORAGE****Handling****Safe handling advice**

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****Requirements for storage areas and containers**

Keep in a dry, cool place.

Keep container closed when not in use.

Residual vapors might explode on ignition; do not apply heat, cut, drill, grind or weld on or near this container.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Component occupational exposure guidelines****• Iron Oxide**

CAS-No. 1309-37-1

Control parameters 10 mg/m3

Fume.

PEL:(OSHA Z1)

5 mg/m3 as Fe

Dust and fume.

Time Weighted Average (TWA):(ACGIH)

5 mg/m3

Time Weighted Average (TWA)

Permissible Exposure Limit (PEL):(US CA

OEL)

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Order Number		Print Date	07/09/2007
		Page	4 / 8

Fume.

5 mg/m3

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

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

Use only in well-ventilated areas.

### 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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form	paste
Color	red

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Order Number		Print Date	07/09/2007
		Page	5 / 8

Odor Glycol odor.

**Safety data**

pH	7.0 - 8.0
Boiling point/range	> 100 °C
Relative density	1.4
Solubility/qualitative	Solubility in water: Dispersible.
Evaporation rate	Slower than butyl acetate

**10. STABILITY AND REACTIVITY**

Conditions to avoid	Not applicable.
Materials to avoid	strong acids, oxidizing substances

**11. TOXICOLOGICAL INFORMATION**

Component Acute oral toxicity	Diethylene glycol 111-46-6 LD50 Rat: 20760 mg/kg
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	Iron Oxide 1309-37-1 LD50 Rat: > 5000 mg/kg
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Component Acute dermal toxicity	Diethylene glycol 111-46-6 LD50 Rabbit: 13300 mg/kg
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Component General Toxicity Information	Diethylene glycol 111-46-6 According to long-term animal inhalation studies, very high concentrations of diethylene glycol vapors caused central nervous system effects in mice and rats. However, an extensive review of the literature shows that no such effects have been documented in humans (Patty's Industrial Hygiene and Toxicology, 1982, Third Revised Ed., Vol 2c, p 3838). In a continuous breeding study of mice, continued ingestion of large amounts of diethylene glycol (6 g/kg/day) caused an adverse effect on fertility and some embryotoxic and fetotoxic effects concurrent with some maternal toxicity. The relevance of these very high doses to humans is uncertain.
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Order Number		Print Date	<b>07/09/2007</b>
		Page	<b>6 / 8</b>

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## 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. 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.

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## 14. TRANSPORT INFORMATION

### Transport/further information

Not classified as dangerous in the meaning of transport regulations.

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## 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 %
Polymer, NJTSR No. 489909-5090-P-CH			
CAS-No.		Percent (Wt./ Wt.)	10 - 30 %

### US Federal Regulations

#### OSHA

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

- None listed

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Order Number		Print Date	<b>07/09/2007</b>
		Page	<b>7 / 8</b>

**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:

- 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:

- 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

**State Regulations**

**California Proposition 65**

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

- None listed

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Order Number		Print Date	<b>07/09/2007</b>
		Page	<b>8 / 8</b>

**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) | Not listed/Not 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.

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.