

**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 #8012 RAW SIENNA 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****degussa.****896-1201 CHROMA-CHEM® RAW SIENNA***creating essentials*

Material no.	10005855	Version	1.15 / US
Specification	139354	Revision date	08/02/2007
Order Number	01784247	Print Date	09/25/2007
		Page	1 / 8

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

Trade name : 896-1201 CHROMA-CHEM® RAW SIENNA  
Use of the Substance / : Pigment dispersion  
Preparation  
Company : Degussa Corporation  
379 Interpace Parkway  
Parsippany, NJ 07054  
USA

Telephone : 973-541-8000

Telefax : 973-541-8040

US: CHEMTREC EMERGENCY : 800-424-9300  
NUMBER

CANADA: CANUTEC : 613-996-6666  
EMERGENCY NUMBER

Product Regulatory Services : 973-541-8060

**2. HAZARDS IDENTIFICATION****\*\*\* EMERGENCY OVERVIEW \*\*\***

*Form-paste Color-brown Odor-Mild odor.*

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

**POTENTIAL HEALTH EFFECTS****Eye contact**

A mild irritant according to test results on CHROMA-CHEM® base mixtures. Can cause tearing and reddening.

**Skin Contact**

A mild irritant according to test results on CHROMA-CHEM® base mixtures. Repeated exposure may cause drying of the skin.

**Inhalation**

Possibly irritating.

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

**Ingestion**

**MATERIAL SAFETY DATA SHEET**  
**896-1201 CHROMA-CHEM® RAW SIENNA**

**degussa.**

*creating essentials*

Material no.	10005855	Version	1.15 / US
Specification	139354	Revision date	08/02/2007
Order Number	01784247	Print Date	09/25/2007
		Page	2 / 8

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

Diethylene glycol monomethyl ether has been shown to cause toxic effects on the thymus and the spleen in tests on laboratory animals.

Diethylene glycol monomethyl ether has been shown to cause fetotoxicity and teratogenicity via oral route in tests on laboratory animals.

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

---

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Information on ingredients / Hazardous components**

Yellow iron oxide			
CAS-No.	1317-63-1	Percent (Wt./ Wt.)	30 - 60 %
2-(2-methoxyethoxy)ethanol; diethylene glycol monomethyl ether			
CAS-No.	111-77-3	Percent (Wt./ Wt.)	1 - 5 %
NJTSR No.56705700001-5020P			
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 %

**Other information**

This material is classified as hazardous under OSHA regulations.

---

**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.

**MATERIAL SAFETY DATA SHEET**  
**896-1201 CHROMA-CHEM® RAW SIENNA**

**degussa.**

*creating essentials*

Material no.	10005855	Version	1.15 / US
Specification	139354	Revision date	08/02/2007
Order Number	01784247	Print Date	09/25/2007
		Page	3 / 8

**Skin contact**

Remove contaminated clothing/shoes. Flush skin with water. Follow by washing with soap and 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 15 minutes or until all material has been removed. Obtain medical attention.

**Ingestion**

If swallowed, do NOT induce vomiting. Have victim drink 8-10 ounces of water to dilute material in stomach. Get medical attention immediately. Never give anything by mouth to an unconscious person.

---

**5. FIRE-FIGHTING MEASURES**

Flash point not determined

**Suitable extinguishing media**

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

**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.

**MATERIAL SAFETY DATA SHEET**  
**896-1201 CHROMA-CHEM® RAW SIENNA**

**degussa.**

*creating essentials*

Material no.	10005855	Version	1.15 / US
Specification	139354	Revision date	08/02/2007
Order Number	01784247	Print Date	09/25/2007
		Page	4 / 8

**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**

• **Stoddard solvent; Low boiling point naphtha - unspecified**

CAS-No. 8052-41-3

Control parameters 100 ppm  
500 ppm  
2900 mg/m<sup>3</sup>  
100 ppm  
525 mg/m<sup>3</sup>

Time Weighted Average (TWA):(ACGIH)  
PEL:(OSHA Z1)

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

**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.

---

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance**

Form	paste
Color	brown
Odor	Mild odor.

**MATERIAL SAFETY DATA SHEET**  
**896-1201 CHROMA-CHEM® RAW SIENNA**

**degussa.**

*creating essentials*

Material no.	10005855	Version	1.15 / US
Specification	139354	Revision date	08/02/2007
Order Number	01784247	Print Date	09/25/2007
		Page	5 / 8

**Safety data**

pH	8.0 - 9.5
Boiling point/range	> 100 °C
Flash point	not determined
Relative density	1.5
Solubility/qualitative	Solubility in water: Dispersible.
Viscosity, dynamic	80 - 100 KU (25 °C)
Relative vapor density	Heavier than air
Solvents and Volatiles Data	
	% VOC (gm/l) 193
Evaporation rate	Slower than butyl acetate

---

**10. STABILITY AND REACTIVITY**

Conditions to avoid	Not applicable.
Materials to avoid	strong acids, oxidizing substances
	Ethylene oxide and guanidinium perchlorate (incompatible with iron oxide.), (danger of explosion)
Further information	Stable under normal conditions.

---

**11. TOXICOLOGICAL INFORMATION**

Product Acute oral toxicity	LD50 Rat: min. 2000 mg/kg The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).
Product Acute inhalation toxicity	LC50 Rat: min. 2.53 mg/l / 4 h The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).
Product Acute dermal toxicity	LD50 Rabbit: min. 2000 mg/kg The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).
Component Eye irritation	NJTSR No.56705700001-5020P Trade Secret corrosive

**MATERIAL SAFETY DATA SHEET**  
**896-1201 CHROMA-CHEM® RAW SIENNA**

**degussa.**

*creating essentials*

Material no.	10005855	Version	1.15 / US
Specification	139354	Revision date	08/02/2007
Order Number	01784247	Print Date	09/25/2007
		Page	6 / 8

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.

---

**12. ECOLOGICAL INFORMATION**

General Ecological Information      No ecotoxicological studies are available.

---

**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.

---

**14. TRANSPORT INFORMATION**

**Transport/further information**

Not classified as dangerous in the meaning of transport regulations.

---

**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 %
NJTSR No.	56705700001-6329P		
CAS-No.	Trade Secret	Percent (Wt./ Wt.)	5 - 10 %
NJTSR No.	56705700001-5032P		
CAS-No.	Trade Secret	Percent (Wt./ Wt.)	1 - 5 %

**US Federal Regulations**

**MATERIAL SAFETY DATA SHEET****degussa.****896-1201 CHROMA-CHEM® RAW SIENNA***creating essentials*

Material no.	10005855	Version	1.15 / US
Specification	139354	Revision date	08/02/2007
Order Number	01784247	Print Date	09/25/2007
		Page	7 / 8

**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-(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



**MATERIAL SAFETY DATA SHEET**  
**896-1201 CHROMA-CHEM® RAW SIENNA**

**degussa.**

*creating essentials*

Material no.	10005855	Version	1.15 / US
Specification	139354	Revision date	08/02/2007
Order Number	01784247	Print Date	09/25/2007
		Page	8 / 8

**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.

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.