

# Boulder Image

## Material Safety Data Sheet

### 1. Chemical Product and Company Identification

**Boulder Image**  
4209 South 36<sup>th</sup> Place  
Phoenix, Arizona 85040

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Phoenix, Arizona 85040

**Telephone Number:** (602) 438-9464  
**24-Hour Emergency Telephone Number:** (800) 627-2521

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**Product Name:** Sienna Yellow  
**Synonyms:** PP INT H/G Deep Base

**HMIS Classification:**

<b>H</b>	<b>F</b>	<b>R</b>
2	1	0

**Prepared By:** Boulder Image Loss Control  
**Preparation Date:** April 05, 2002  
**Review Dates:** April 05, 2002

### 2. Composition, Information on Ingredients

Ingredients / Components	CAS #	WT %
Ethylene Glycol	000107-21-1	10-30
Diethylene Glycol Monobutyl Ether	000112-34-5	1-5
Mixture of polymers & polysiloxanes		1-5

\* See Sections 7 and 8 for Handling and Control Measures

### 3. Physical Chemical Characteristics

**Boiling Range:** N/A  
**Vapor Density:** Heavier than air  
**Coating V.O.C.:** 246 g/l  
**Solubility in water:** Infinite  
**Appearance and odor:** Pigmented liquid with a sweet ammoniacal odor.

**Specific Gravity (H<sub>2</sub>O=1):** 1.03  
**Evaporation Rate:** Equal to water  
**Material V.O.C.:** 112 g/l

### 4. Fire and Explosion Hazard Data

**Flash Point:** N/A (240F min.)  
**Flash Point Method:** SetaFlash  
**OSHA Flammability Classification:** None

**Lower Explosive Limit:** N/A  
**Upper Explosive Limit:** N/A  
**Autoignition Temperature:** Not determined

**Other Flammable Properties:** Burning will produce hazardous compounds including oxides of: carbon, nitrogen, sulfur. Contains material that can burn in fire if contained water is evaporated by heat or fire.

**Extinguishing Media:** Foam, alcohol foam, CO<sub>2</sub>, Dry chemical, Water fog.

**Special Fire Fighting Procedures:** Observe recommended procedures in handling fire areas. Wear appropriate fire fighting equipment including a self contained breathing apparatus.

**Unusual Fire and Explosion Hazards:** Closed containers are subject to bursting on exposure to heat. Extinguishing media above is recommended on dried films of this material that is burning. This material is non-combustible, but dried films are capable of burning and supporting combustion when in contact with open flames.

**Flammability – T.D.G.R. Class:**  
DOT: Not regulated                      OSHA and NFPA: Combustible liquid Class III B

#### 4. Fire and Explosion Hazard Data (Cont'd)

**Sensitivity to Impact:** None known  
**Sensitivity to Static Discharge:** None expected

#### 5. Reactivity Data

**Stability:** This product is stable under normal storage conditions  
**Hazardous Polymerization:** Will not occur  
**Conditions to Avoid:** Avoid freezing. Avoid temperatures below 32 degrees F  
**Incompatibility with Other Materials:** Avoid highly oxidizing materials. Avoid materials that react with water. Also avoid strong acids and alkalines  
**Hazardous Decomposition or Byproducts :** Incomplete combustion can lead to the evolution of carbon dioxide and/or carbon monoxide

#### 6. Health Hazard Data

**Inhalation Health Risks and Symptoms of Exposure:** Product is a mild irritant. Effects are temporary and reversible. Vapor odors may cause irritation in the upper and lower respiratory tracts, nausea, headaches and dizziness.

**Skin and Eye Contact Health Risks and Symptoms of Exposure:** Product is a mild irritant to skin and eyes. Effects are temporary and reversible. Product may cause irritation, redness and tearing.

**Skin Absorption Health Risks and Symptoms of Exposure:** Not absorbed into skin. May cause minor redness and/or irritation.

**Ingestion Health Risks and Symptoms of Exposure:** Harmful if swallowed. Ingestion can cause nausea, vomiting, diarrhea, and gastrointestinal irritation.

**Health Hazards (Acute and Chronic):**

**Acute:** Repeated skin contact may result in the development of an allergic skin reaction in a small amount of individuals.

**Chronic:** None known

**Carcinogenicity:**                    **NTP?:** NO                    **IARC?:** NO                    **OSHA REG?:** NO

This product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm.

**Medical Conditions Generally Aggravated by Exposure:** Available toxicology, chemical and physical data show that overexposure is unlikely to aggravate any medical condition.

**Emergency and First Aid Procedures:**

**Eye Contact:** Flush with water for 15 minutes. Expose to fresh air. Call physician immediately.

**Skin Contact:** Wash with soap and water for 15 minutes.

**Inhalation:** Remove to fresh air. Call physician if experiencing any difficulty breathing.

**Ingestion:** DO NOT INDUCE VOMITING. CALL PHYSICIAN IMMEDIATELY. Activated charcoal may be administered. If conscious, feed two glasses of water.

#### 7. Precautions for Safe Handling and Use

**Steps to be taken in case material is released or spilled:** Dike and/or absorb spilled material with absorbent material such as sand or sawdust. Use rags to clean up small amounts of spilled materials. Keep out of sewers, watersheds or water systems.

**Waste Disposal Method:** Product does not meet the definition of hazardous waste under the U.S. EPA regulations. However State or Local hazardous waste regulations may apply if they are different than the Federal regulations.

**Container Disposal:** Triple rinse container, then dispose of in a sanitary landfill, if allowed by Local regulation.

**Precautions to be taken in handling and storing:** Keep containers closed when not in use. Do not store or handle near heat, flames or strong oxidants. Store in cool, well ventilated areas. Rotate stock to use older material first. Inspect for leaks or cracks in all containers.

**Other Precautions:** Do not store in freezing areas. Keep in temperature above 32 degrees F. Empty containers may still contain residue (vapors, liquid or solid), therefore all empties should be subjected to the same hazard precautions given in this MSDS. KEEP AWAY FROM CHILDREN.

## 8. Control Measures

**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.

**Ventilation:** General mechanical ventilation may be sufficient to keep product vapor concentrations below the specified TLV levels. If adequate one can also use local exhaust.

**Protective Gloves:** Use solvent impermeable neoprene or latex gloves to protect against skin contact.

**Eye Protection:** Use safety goggles, safety glasses and/or face shields to protect the eyes.

**Other Protective Clothing or Equipment:** Impermeable aprons or protective clothing are recommended when working with this product. The use of head caps are also recommended whenever possible.

**Work/Hygienic Practices:** Care should be taken to prevent unnecessary exposure to this product. Eye washes and safety showers should be available.

## 9. Disclaimer

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originated with the company or not. Since the use of this information and the conditions of use are not within the control of Boulder Image, it is the user's obligation to determine the conditions for safe use of this product. All ingredients used in the manufacture of this product are, if required, listed in the TSCA inventory.