

# SAFETY DATA SHEET

**BLUE MAGIC, NO. 351**  
**Product ID: FP035101**  
**Revised: 09-13-2013**  
**Replaces: 02-09-2011**

## 1. IDENTIFICATION

**Product Name:** BLUE MAGIC, NO. 351  
**Synonyms:** L0000633A  
**CAS Number:** MIXTURE  
**Recommended Use:** No data available.  
**Restrictions on Use:** No data available.

**Hydrite Chemical Co.**  
300 N. Patrick Blvd.  
Brookfield, WI 53008-0948  
(262) 792-1450

**EMERGENCY RESPONSE NUMBERS:**  
24 Hour Emergency #: (414) 277-1311  
CHEMTREC Emergency #: (800) 424-9300

## 2. HAZARD(S) IDENTIFICATION



**Signal Word:** Warning  
**GHS Classification:** Skin Corrosion/Irritation Category 2  
Serious Eye Damage/Eye Irritation Category 2A  
Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 3  
**Hazard Statements:** Causes skin irritation.  
Causes serious eye irritation.  
May cause respiratory irritation.  
**Precautionary Statements:**  
**Prevention:** Avoid breathing dust, gas, mist, vapors or spray.  
Wash thoroughly after handling.  
Use only outdoors or in a well-ventilated area.  
Wear gloves, eye and face protection and protective clothing.  
**Response:** IF ON SKIN: Wash with plenty of soap and water.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Call a POISON CENTER or doctor if you feel unwell.  
Specific treatment (see First Aid on SDS or on this label).  
If skin irritation occurs: Get medical advice or attention.  
If eye irritation persists: Get medical advice or attention.  
Take off contaminated clothing and wash before reuse.  
**Storage:** Store in a well-ventilated place. Keep container tightly closed.  
Store in a secure manner.  
**Disposal:** Dispose of in accordance with local, regional and international regulations.

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**Hazards Not Otherwise Classified:** May react with various food sugars to form carbon monoxide. May react with certain metals to form explosiveflammable hydrogen gas.

**Percentage of Components with Unknown Acute Toxicity:**

**Inhalation Vapor:** 11.0 %

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Component</b>	<b>CAS Number</b>	<b>% by Wt.</b>
Poly(oxy-1,2-ethanediyl),alpha-(nonylphenyl)-omega-hydroxy-,	9016-45-9	< 20 %
2-Butoxyethanol	111-76-2	< 15 %
Trisodium Phosphate Anyhdrous	7601-54-9	< 5 %
Tetrasodium EDTA	64-02-8	< 3 %

**Note:** This product may contain one or both CAS#'s, 9016-45-9 and/or 127087-87-0.

### **4. FIRST-AID MEASURES**

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Tilt head to avoid contaminating unaffected eye. Get immediate medical attention. Remove contact lens if easy to do.

**Skin Contact:** Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Do not reuse clothing and shoes until cleaned. Wash with soap and water. Discard footwear which cannot be decontaminated.

**Inhalation:** Remove to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration, preferably mouth-to-mouth. **GET MEDICAL ATTENTION IMMEDIATELY.**

**Ingestion:** If fully conscious, drink a quart of water. **DO NOT** induce vomiting. **CALL A PHYSICIAN IMMEDIATELY.** If unconscious or in convulsions, take immediately to a hospital or a physician. **NEVER** induce vomiting or give anything by mouth to an unconscious victim. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

**Note to Physicians:**

Maintain adequate ventilation and oxygenation of the patient. Respiratory symptoms, including pulmonary edema, may be delayed. Persons receiving significant exposure should be observed 24-48 hours for signs of respiratory distress. The decision of whether to induce vomiting or not should be made by a physician. If lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. This product is destructive to mucous membranes.

**Most Important Symptoms/Effects:**

Eye Contact: Causes severe irritation.  
Skin Contact: Causes mild to severe irritation.  
Inhalation: May cause severe irritation.  
Ingestion: May cause moderate irritation.

### **5. FIRE-FIGHTING MEASURES**

**Extinguishing Media:** For fires in area use appropriate media. For example: Alcohol resistant foam. Water spray. Dry chemical. Carbon dioxide.

**Fire Fighting Methods:** Evacuate area of unprotected personnel. Wear protective clothing including NIOSH-approved self-contained breathing apparatus. Remain upwind of fire to avoid hazardous vapors and decomposition products. Use water spray to cool fire-exposed containers and disperse vapors. Move containers from fire area if possible without hazard.

**Fire and Explosion Hazards:** Material will not ignite or burn.

**Hazardous Combustion Products:** Carbon monoxide. Carbon dioxide. Original material. Irritating and/or toxic gases. Thermal decomposition may release: Sodium oxides. Phosphorous oxides.

## 6. ACCIDENTAL RELEASE MEASURES

**Spill Clean-Up Procedures:** Eliminate all sources of ignition. Evacuate unprotected personnel from area. Maintain adequate ventilation. Follow personal protective equipment recommendations found in Section 8. Never exceed any occupational exposure limit. Do not touch or walk through spilled material. Shut off source of leak if safe to do so. Prevent entry into basements, low areas, or confined areas. Contain spill, place into drums for proper disposal. Soak up residue with inert absorbent material. Place in non-leaking containers for immediate disposal. Flush remaining area with water to remove trace residue and dispose of properly. Avoid direct discharge to sewers and surface waters. Notify authorities if entry occurs.

## 7. HANDLING AND STORAGE

**Handling:** Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Do not swallow. Avoid breathing vapors, mists, or dust. Do not eat, drink, or smoke in work area. Wash thoroughly after handling. Empty containers retain product residue (vapor, dust, or liquid) and can be dangerous. DO NOT pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other source of ignition. They may explode and cause injury or death. Do not distill to near dryness.

**Storage:** Store in a cool, well ventilated area, out of direct sunlight. Store in a dry location away from heat. Keep away from incompatible materials. Keep containers tightly closed. Do not store in unlabeled or mislabeled containers. Water contamination should be avoided. If peroxide formation is suspected, do not open or move container. Keep containers tightly closed. See Section 10 for incompatible materials.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### OSHA Exposure Guidelines:

<b>Component</b>	<b>Limits</b>
2-Butoxyethanol	50 ppm TWA; 240 mg/m <sup>3</sup> TWA; (Skin)

### ACGIH Exposure Guidelines:

<b>Component</b>	<b>Limits</b>
2-Butoxyethanol	20 ppm TWA

**Engineering Controls:** General room ventilation is required. Use local exhaust to control vapors, mists, or dusts. Maintain adequate ventilation. Do not use in closed or confined spaces. Avoid creating dust or mist. Keep levels below exposure limits. To determine exposure levels, monitoring should be performed regularly. To keep exposure below established limits, local exhaust may be necessary.

**Eye/Face Protection:** Wear chemical safety goggles while handling this product. Wear additional eye protection such as a face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Wear a full-face respirator, if needed.

**Skin Protection:** Prevent contact with this product. Wear gloves and protective clothing depending on condition of use. Protective gloves: Chemical-resistant. Impervious.

**Respiratory Protection:** Respiratory protection must be worn if ventilation does not eliminate symptoms or keep levels below recommended exposure limits. If exposure limits are exceeded, wear: NIOSH-Approved air-purifying respirator with: Organic vapor cartridge. NIOSH-Approved Supplied Air Respirator (SAR). NIOSH-Approved self-contained breathing apparatus. DO NOT exceed limits established by the respirator manufacturer. All respiratory protection programs must comply with OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements and must be followed whenever workplace conditions require a respirator's use.

**Other Protective Equipment:** Eye-wash station. Safety shower. Rubber apron. Chemical safety shoes. Rubber boots. Protective clothing.

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**General Hygiene Conditions:** Wash with soap and water before meal times and at the end of each work shift. Good manufacturing practices require gross amounts of any chemical be removed from skin as soon as practical, especially before eating or smoking. Food, beverages, and tobacco products should not be carried, stored or consumed where this material is in use.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical State:** Liquid.

**Color:** Clear. Blue.

**Odor:** Glycol ether.

**Odor Threshold:** N.D.

**pH:** 11.20 (as is)

**Freezing Point (deg. F):** N.D.

**Melting Point (deg. F):** N.D.

**Initial Boiling Point or Boiling Range:** N.D.

**Flash Point:** N.A.

**Flash Point Method:** N.A.

**Evaporation Rate (nBuAc = 1):** N.D.

**Flammability (solid, gas):** N.D.

**Lower Explosion Limit:** N.A.

**Upper Explosion Limit:** N.A.

**Vapor Pressure (mm Hg):** N.D.

**Vapor Density (air=1):** N.D.

**Specific Gravity or Relative Density:** 1.025 @ 25C

**Solubility in Water:** Complete

**Partition Coefficient (n-octanol/water):** N.D.

**Autoignition Temperature:** N.D.

**Decomposition Temperature:** N.D.

**Viscosity:** N.D.

**% Volatile (wt%):** N.D.

**VOC (wt%):** ~9

**VOC (lbs/gal):** ~0.772

**Fire Point:** N.D.

**10. STABILITY AND REACTIVITY**

**Reactivity:** No data available.

**Chemical Stability:** Stable under normal conditions.

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur under normal conditions.

**Conditions to Avoid:** Exposure to elevated temperatures can cause product to decompose. Do not distill to dryness. Product can oxidize at elevated temperatures. Generation of gas during decomposition can cause pressure in closed systems. Avoid contact with moisture. This product could be corrosive to aluminum surfaces due to high pH. When wet, mild steel and brass may be corroded.

**Incompatible Materials:** Oxidizing agents. Reducing agents. Metals. Acids. Halogenated compounds.

Aluminum. Food sugars. Deadly carbon monoxide gas can form in enclosed or poorly ventilated areas or tanks when alkaline products contact food, beverage, or dairy products. Do not enter such areas until they have been well ventilated and carbon monoxide and oxygen levels have been determined to be within OSHA acceptable limits. If carbon monoxide and oxygen levels cannot be measured, wear NIOSH-approved, self-contained breathing apparatus.

**Hazardous Decomposition Products:** Organic acids. Carbon monoxide. Carbon dioxide. Aldehydes. Ketones. Thermal decomposition may release: Sodium oxides. Phosphorous oxides.

**11. TOXICOLOGICAL INFORMATION**

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<u>Component</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Inhalation LC50</u>
Poly(oxy-1,2-ethanediyl),alpha-(nonylphenyl)-omega-hydroxy-, 2-Butoxyethanol	No Data	Rabbit: 1780 $\mu$ L/kg	No Data
Trisodium Phosphate Anyhdrous	Rat: 470 mg/kg Rat: > 2000 mg/kg	Rabbit: 220 mg/kg Rabbit: > 2 mg/kg	4H Rat: 450.0 ppm 1H Rat: > 2.2 mg/L

**Acute Toxicity Estimate (ATE):**

Oral: 4,728 mg/kg

Dermal: 2,162 mg/kg

Inhalation Dust/Mist: 23.3766 mg/L

**Routes of Exposure:** Eyes. Skin. Inhalation. Ingestion. Absorption.**Eye Contact:** Causes severe irritation. May cause: discomfort. pain. redness. corneal injury. Effects may be slow to heal.**Skin Contact:** May cause moderate to severe irritation. Brief contact may cause: redness. Repeated exposure may cause: blistering. burns. May cause more severe response on covered skin (under clothing, gloves).**Skin Absorption:** May be harmful if absorbed through skin.**Inhalation:** May cause severe irritation. Vapors or mists may irritate: nose. throat. upper respiratory tract. Prolonged excessive exposure may cause serious adverse effects, even death. Symptoms may include: headache. In animals, effects have been reported on the following organs: blood (hemolysis). secondary effects to the kidney and liver. Human red blood cells have been shown to be significantly less sensitive to hemolysis than those of rodents and rabbits.**Ingestion:** May cause moderate irritation. Small amounts swallowed incidental to normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause injury. Aspiration into the lungs may occur during ingestion or vomiting, causing lung damage or even death due to chemical pneumonia. In animals, effects have been reported on the following organs: blood (hemolysis). secondary effects to the kidney and liver. Human red blood cells have been shown to be significantly less sensitive to hemolysis than those of rodents and rabbits. Massive ingestion of ethylene glycol monobutyl ether (attempted suicides) may produce metabolic acidosis and subsequent secondary effects such as hemolysis, central nervous system and kidney effects.**Medical Conditions Aggravated by Exposure to Product:** None known.**Other:** In animals, effects have been reported on the following organs: Kidney. Liver.**Cancer Information:**

This product does not contain 0.1% or more of the known or potential carcinogens listed in NTP, IARC, or OSHA.

**2-BUTOXYETHANOL:**

Sensitization (Animal and Human Studies): Did not cause allergic skin reactions when tested in humans.

Significant Data With Possible Relevance To Humans: In animals, effects have been reported on the following organs: blood (hemolysis). secondary effects to the kidney and liver. Human red blood cells have been shown to be significantly less sensitive to hemolysis than those of rodents and rabbits.

**12. ECOLOGICAL INFORMATION****Ecotoxicological Information:** No data available.**Chemical Fate Information:** No data available.**13. DISPOSAL CONSIDERATIONS****Hazardous Waste Number:** N.A.**Disposal Method:** Dispose of in accordance with all local, state and federal regulations. Since emptied containers retain product residue, follow label warnings even after container is emptied. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste

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generator. DO NOT pressurize, cut, weld, solder, drill, grind or expose empty containers to heat, flame, sparks or other sources of ignition. Do NOT dump into any sewers, on the ground, or into any body of water. Dry material may be landfilled or recycled in accordance with local, state and federal regulations.

#### **14. TRANSPORT INFORMATION**

**DOT (Department of Transportation):**

**Proper Shipping Name:** Not regulated by the DOT.  
**Reportable Quantity (RQ):** 5000# (Sodium phosphate, tribasic)

#### **15. REGULATORY INFORMATION**

**TSCA Inventory Status:** All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

**SARA Title III Section 311/312 Category Hazards:**

<u>Immediate (Acute)</u>	<u>Delayed (Chronic)</u>	<u>Fire Hazard</u>	<u>Pressure Release</u>		<u>Reactive</u>
Yes	Yes	No	No	No	No
<b>Regulated Components:</b>		<u>CAS Number</u>	<u>CERCLA RQ</u>	<u>SARA EHS</u>	<u>SARA 313</u>
Component					<u>U.S. HAP</u>
2-Butoxyethanol		111-76-2	No	No	No
Trisodium Phosphate Anyhdrous		7601-54-9	Yes	No	Yes
				No	No
				No	No

**\*Prop 65 - May Contain the Following Trace Components:**

Ethylene Oxide

This product may contain other chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

**Note:** \* Reportable as sodium phosphate, tribasic.

#### **16. OTHER INFORMATION**

**Hazard Rating System**

**Health:** 2\*

**Flammability:** 1

**Reactivity:** 0

\* = Chronic Health Hazard

**NFPA Rating System**

**Health:** 2

**Flammability:** 1

**Reactivity:** 0

**Special Hazard:** None

**MSDS Abbreviations**

**N.A. = Not Applicable**

**N.D. = Not Determined**

**HAP = Hazardous Air Pollutant**

**VOC = Volatile Organic Compound**

**C = Ceiling Limit**

**N.E./Not Estab. = Not Established**

**MSDS Prepared by:** CSH

**Reason for Revision:** New format.

**Revised:** 09-13-2013

**Replaces:** 02-09-2011

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**The data in this Material Safety Data Sheet relates to the specific material designated and does not relate to its use in combination with any other material or process. The data contained is believed to be correct. However, since conditions of use are outside our control it should not be taken as warranty or representation for which HYDRITE CHEMICAL CO. assumes legal responsibility. This information is provided solely for your consideration, investigation, and verification.**