



Graphic Arts Products

MATERIAL SAFETY DATA SHEET

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Section 1 PRODUCT IDENTITY

Label Name: DPS
Chemical Family:
Formula Number:

Section 2 COMPONENT HAZARD DATA

<u>Component(s)</u>	<u>CAS Number</u>	<u>Percentage ranges (%)</u>	<u>TLV(units)</u>
Water	7732-18-5	65-70	N/A
Glycerol	56-81-5	10-15	10mg/m ³
2-Butoxy Ethanol	111-76-2	10-15	25 ppm (skin)
Phosphoric Acid	7664-38-2	2-5	³ 1 mg/m ³

Section 3 PHYSICAL & CHEMICAL PROPERTIES

Boiling Point: 212°F	Specific Gravity: (h ₂ o=1): 3.1
Vapor Pressure: N/A	Percent Volatile: 90%
Solubility in water: Complete	Melting Point: N/A
Vapor Density: N/A	Evaporation Rate: (h ₂ o=1): <1

Appearance and Odor: Light blue clear liquid, slight glycol ether odor

Section 4 FIRE & EXPLOSIVE HAZARD DATA

Flash Point: 200°F TCC
Flammability Limits: Upper: N/A Lower: N/A
Extinguishing Media: Foam, water fog, carbon dioxide, dry chemical.
Special Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to avoid contact with eyes and skin.
Unusual fire and explosive hazards and physical hazards: Ammonia will be released, and avoid contact with metals.

Section 5 REACTIVE DATA

Stability: Stable
Conditions to avoid: N/A
Incompatibility: Strong acids and alkalis.
Hazardous decomposition products: Sulfur Dioxide, Ammonia
Hazardous polymerization: None

Section 6 HEALTH EFFECTS OF EXPOSURE

Eyes: May cause irritation or permanent damage to tissue
Skin: May cause irritation upon contact.
Ingestion: Acidic nature of solution may cause irritation or corrosion to digestive tract..
Inhalation: May cause irritation to nasal mucous membranes and respiratory tract.

Health Hazard Data**Primary Routes of Entry:** N/A**Published Exposure Limits:** N/A**Listed as Carcinogen:** None of the components are listed by IARC, NTP or OSHA**Effects of Overexposure:** Eye irritation, respiratory irritation, dermatitis, difficulty breathing, abdominal pain, skin irritation, mucous membrane irritation, coughing, nausea, diarrhea.**Emergency and First Aid Procedures**

Eyes – Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

Skin – Immediately wash skin with soap and plenty of water.

Inhalation – Remove victim to fresh air, if breathing is difficult give oxygen. Call a physician.

Ingestion - **DO NOT INDUCE VOMITING.** Give large quantities of water. **NEVER** give anything by mouth to an unconscious person. Call a physician. All cases of ingestion should immediately be referred to a poison-control center or a physician, and vomiting should normally be initiated only on their advice and by the means they specify.

*Section 7***SPILL OR LEAK PROCEDURES****Steps to be taken in case the material is released or spilled:** Review fire and explosion hazards and safety precautions before proceeding with cleanup. Use appropriate personal protective equipment during cleanup. Dike the spill. Prevent liquid from entering sewers, waterways or low areas. Soak up with sawdust, sand, oil dry or other absorbent material.

*Section 8***RECOMMENDED CONTROL MEASURES****Respiration Protection:** N/A**Ventilation:** Local exhaust ventilation is recommended.**Protective Gloves:** Latex, rubber neoprene waterproof gloves.**Eye Protection:** Chemical safety goggles or splash shield**Other Protective Equipment:** Rubber or plastic apron

*Section 9***SPECIAL PRECAUTIONS****Precautions to be taken in handling or storage:** Store in a cool, well ventilated area, keep container tightly closed. Remove and wash contaminated clothing immediately. Do not store or consume food, drink or tobacco in area where they may become contaminated with this material.

*Section 10***TRANSPORTATION DATA****DOT:** Not regulated**HAZARD CLASS, UN NUMBER, AND LABELS:** N/A**VOC:** N/A**SARA:** N/A

*Section 11***PRECAUTIONARY LABELING**

HMIS RATING:	Health	3
	Flammability	0
	Reactivity	1
	Personal Protection	D

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