

## Material Safety Data Sheet

May be used to comply with  
OSHA's Hazard Communication Standard  
29 CFR 1910.1200. Standard must be  
consulted for specific requirements.

Product Identity – Section I								
Product Name: <b>PANEL FINISH</b> CAS #: See Below Manufacturer: Arcal Chemicals, Inc. Address: 223 Westhampton Avenue Capitol Heights, MD 20743		Emergency Tele: (800) 424-9300 Revision Date: 10 JULY 2009 Other Tele: (301) 336-9300 Fax: (301) 336-6597						
HAZARDOUS INGREDIENTS / OTHER COMPONENTS – SECTION II								
MATERIAL / CAS #		ACGIH (TLV – TWA)	OSHA (PEL -TWA)					
Phosphoric Acid CAS # 7664-38-2		1 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>					
PHYSICAL DATA – SECTION III								
<b>APPEARANCE :</b> Clear solution	<b>ODOR:</b> No odor	<b>MELT POINT:</b> N/A	<b>SPECIFIC GRAVITY:</b> 1.206					
<b>VAPOR DENSITY:</b> N/A	<b>% VOLATILE BY VOLUME:</b> N/A	<b>BULK DENSITY:</b> N/A	<b>BOILING POINT:</b> 230°F					
<b>VAPOR PRESSURE:</b> N/A	<b>% SOLUBILITY (H2O):</b> Complete							
FIRE AND EXPLOSION HAZARD DATA – SECTION IV								
<b>FLASH POINT:</b> None		<b>NFPA FIRE HAZARDS</b> <table><tr><td rowspan="4"><b>HEALTH</b>  <b>FLAMMABILITY</b>  <b>REACTIVITY</b>  <b>SPECIFIC</b></td><td><b>3</b></td></tr><tr><td><b>0</b></td></tr><tr><td><b>0</b></td></tr><tr><td></td></tr></table>		<b>HEALTH</b>  <b>FLAMMABILITY</b>  <b>REACTIVITY</b>  <b>SPECIFIC</b>	<b>3</b>	<b>0</b>	<b>0</b>	
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	<b>0</b>							
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<b>FLAMMABLE LIMITS</b> <b>LEL:</b> None <b>UEL:</b> None								
<b>EXTINGUISHING MEDIA:</b> CO <sub>2</sub> , foam								
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Overall cover of personnel if vapors of product are encountered.								
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b> Liquid produces hydrogen in contact with metals. <b>DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS:</b> CO and oxides of phosphorus with incomplete combustion. <b>EMPTY CONTAINER WARNING:</b> Empty containers retain hazardous residue. Keep away from alkaline material, metals and oxidizing agents. Rinse with water used for dilution.		<table><tr><td>4 = EXTREME 3 = HIGH 2 = MODERATE 1 = SLIGHT 0 = INSIGNIFICANT</td></tr></table>		4 = EXTREME 3 = HIGH 2 = MODERATE 1 = SLIGHT 0 = INSIGNIFICANT				
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REACTIVITY DATA – SECTION V						
<b>Stability:</b> Stable & polymerization will not occur			<b>CONDITIONS TO AVOID:</b> None known			
<b>INCOMPATIBILITY (MATERIAL TO AVOID):</b> Avoid contact with alkaline material and metals.						
<b>HAZARDOUS DECOMPOSITION OR BYPRODUCTS:</b> CO and oxides of phosphorus with incomplete combustion.						
<b>HAZARDOUS POLYMERIZATION:</b> Will not occur			<b>CONDITIONS TO AVOID:</b> None known			
HEALTH HAZARD DATA – SECTION VI						
<b>Route(s) of Entry:</b>	<b>Inhalation?</b>	Yes	<b>Skin?</b>	Yes	<b>Ingestion?</b>	Yes
<b>Health Hazards (Acute and Chronic):</b> Irritation and burns on skin and eyes. Irritation of respiratory tract and mucous membranes.						
<b>CARCINOGENICITY:</b> None	<b>NTP?</b>	N/A	<b>IARC Monographs?</b>	N/A	<b>OSHA?</b> N/A	
<b>MEDICAL CONDITIONS GENERALLY AGGRAVATED by EXPOSURE:</b> Skin and eye irritation or burn, respiratory tract & mucous membrane irritation and other lung conditions.						
EMERGENCY AND FIRST AID PROCEDURES						
<b>EYE CONTACT:</b> If splashed into eyes, rinse eyes with large amounts of water for at least 15 minutes or until irritation subsides. If irritation persists, call a physician						
<b>SKIN CONTACT:</b> In case of skin contact, remove any contaminated clothing, wash skin thoroughly with soap and water; flush exposed area with large quantities of water and get medical attention.						
<b>INHALATION:</b> If overcome by vapors, remove from exposure and call a physician immediately. If breathing is irregular or has stopped, start resuscitation, administer oxygen if available. Seek immediate medical attention.						
<b>INGESTION:</b> If ingested, <u>DO NOT</u> induce vomiting; call a physician immediately.						
PRECAUTIONS FOR SAFE HANDLING AND USE – SECTION VII						
<b>Steps to be taken in case material is released or spilled:</b> Flush small amounts to drain. Impound and treat large amounts with alkaline material.						
<b>Waste Disposal Method:</b> Adjust pH, then dispose in accordance with federal, state and local regulations.						
<b>Precautions to be taken in handling and storing:</b> Store in cool, well ventilated area. Keep containers closed when not in use. Separate from oxidizing agents and alkalis. Avoid prolonged and repeated contact with skin.						
CONTROL MEASURES – SECTION VIII						
<b>Respiratory or breathing apparatus:</b> Respirator rated for acid fumes.						
<b>Ventilation:</b> Yes	<b>Local Exhaust:</b>		<b>Special:</b>			
	<b>Mechanical:</b> General air dilution		<b>Other:</b>			
<b>Protective Gloves:</b> Chemical resistant/rubber			<b>Eye Protection:</b> Face shield or goggles			
<b>Other Protective Clothing or Equipment:</b> Chemical resistant apron, boots and other protective gear.						
TRANSPORTATION INFORMATION						
UN1805, PHOSPHORIC ACID SOLUTION, 8, PG:III (Labels: CORROSIVE)						