

# 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: **Print Cleaner 505**  
 CAS #: See Below  
 Manufacturer: Arcal Chemicals, Inc.  
 Address: 223 Westhampton Avenue  
 Capitol Heights, MD 20743

Emergency Tele: (800) 424-9300  
 Revision Date: December 11, 2001  
 Other Tele: (301) 336-9300 or  
 (888) 336-9303  
 Fax: (301) 336-6597

## HAZARDOUS INGREDIENTS / OTHER COMPONENTS – SECTION II

MATERIAL / CAS #	ACGIH (TLV – TWA)	OSHA (PEL -TWA)
<b>Aromatic hydrocarbons (not listed specifically)</b>	N.E.	335 ppm
<b>Aliphatic Hydrocarbon CAS# 8052-41-3</b>	500 ppm	500 ppm
<b>Propylene glycol ether CAS# 107-98-2</b>	100 ppm	50 ppm

## PHYSICAL DATA – SECTION III

<b>APPEARANCE :</b> Clear Solution	<b>ODOR:</b> solvent odor	<b>MELT POINT:</b> N/A	<b>SPECIFIC GRAVITY:</b> 0.82
<b>VAPOR DENSITY:</b> 4.9 Air=1	<b>% VOLATILE BY VOLUME:</b> 100%	<b>BULK DENSITY:</b> N/A	<b>BOILING POINT:</b> 150 C
<b>VAPOR PRESSURE:</b> 2 mmHG @20C	<b>% SOLUBILITY (H2O):</b> Negligible		

## FIRE AND EXPLOSION HAZARD DATA – SECTION IV

<b>FLASH POINT:</b> >120 F	<table border="1"> <thead> <tr> <th colspan="2">NFPA FIRE HAZARDS</th> </tr> </thead> <tbody> <tr> <td><b>HEALTH</b></td> <td style="text-align: center;">1</td> </tr> <tr> <td><b>FLAMMABILITY</b></td> <td style="text-align: center;">2</td> </tr> <tr> <td><b>REACTIVITY</b></td> <td style="text-align: center;">0</td> </tr> <tr> <td><b>SPECIFIC</b></td> <td></td> </tr> </tbody> </table>	NFPA FIRE HAZARDS		<b>HEALTH</b>	1	<b>FLAMMABILITY</b>	2	<b>REACTIVITY</b>	0	<b>SPECIFIC</b>	
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<b>HEALTH</b>		1									
<b>FLAMMABILITY</b>		2									
<b>REACTIVITY</b>		0									
<b>SPECIFIC</b>											
<b>FLAMMABLE LIMITS</b> <b>LEL:</b> 1 % <b>UEL:</b> 15%											
<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> See Below <b>DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS:</b> Carbon Monoxide, Carbon Dioxide <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.											

4 = EXTREME  
 3 = HIGH  
 2 = MODERATE  
 1 = SLIGHT  
 0 = INSIGNIFICANT

**REACTIVITY DATA – SECTION V**

Print Cleaner 505

**Stability:** Stable & polymerization will not occur

**CONDITIONS TO AVOID:** None known

**INCOMPATIBILITY (MATERIAL TO AVOID):** Avoid contact with alkaline material and metals.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** CO, CO2 with incomplete combustion.

**HAZARDOUS POLYMERIZATION:** Will not occur

**CONDITIONS TO AVOID:** 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
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**Health Hazards (Acute and Chronic):** Irritation and burns on skin and eyes. Irritation of respiratory tract and mucous membranes.

**CARCINOGENICITY:** None known

**NTP?** N/A

**IARC Monographs?**

N/A

**OSHA?** N/A

**MEDICAL CONDITIONS GENERALLY AGGRAVATED by EXPOSURE:** Skin and eye irritation or burn, respiratory tract & mucous membrane irritation and other lung conditions.

**EMERGENCY AND FIRST AID PROCEDURES**

**EYE CONTACT:** 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

**SKIN CONTACT:** 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.

**INHALATION:** 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.

**INGESTION:** If ingested, DO NOT induce vomiting; call a physician immediately.

**PRECAUTIONS FOR SAFE HANDLING AND USE – SECTION VII**

**Steps to be taken in case material is released or spilled:** Flush small amounts to drain. Impound and treat large amounts with alkaline material.

**Waste Disposal Method:** Adjust pH, then dispose in accordance with federal, state and local regulations.

**Precautions to be taken in handling and storing:** 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**

**Respiratory or breathing apparatus:** Respirator rated for acid fumes.

**Ventilation:** Yes

**Local Exhaust:**  
**Mechanical:** General air dilution

**Special:**  
**Other:**

**Protective Gloves:** Chemical resistant/rubber

**Eye Protection:** Face shield or goggles

**Other Protective Clothing or Equipment:** Chemical resistant apron, boots and other protective gear.

**TRANSPORTATION INFORMATION**

**Not regulated when shipped by ground methods within the continental United States in containers less than 109 gallons by DOT Exemption 49 CFR 173.150 for Combustible Petroleum mixtures**

**For Air, Sea, International, or Bulk Shipments:**

**SHIPPING NAME:** Petroleum Products, n.o.s. **HAZARDOUS CLASS:** 3, Flammable **ID NUMBER:** UN1268 PG: III