

PC90 Pre Clean

## MATERIAL SAFETY DATA SHEET

THIS MSDS COMPLIES WITH 29 CFR 1910.1200 ( HAZARD COMMUNICATION STANDARD)

IMPORTANT: Read this MSDS before handling and disposing of this product.

Pass this information on to employees, customers, & users of this product.

## SECTION 1. CHEMICAL PRODUCTS &amp; COMPANY IDENTIFICATION / HAZARD RATINGS

PRODUCT IDENTITY:	Blend #9906 PC90 Pre Clean	HEALTH RATINGS:	
COMPANY IDENTITY:	Powers Paper Company Inc.	HEALTH (NFPA) =	2
COMPANY ADDRESS:	1000 Armory Place	HEALTH (HMIS) =	2
	Brandenburg, KY 40108	FLAMMABILITY =	3
COMPANY PHONE:	(270) 422-5561	REACTIVITY =	0

## SECTION 2. INGREDIENT &amp; REGULATORY INFORMATION

All components of this product are on the TSCA list.

## SARA Title III Section 313 Supplier Notification

This product contains the indicated <\*> toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-To-Know Act of 1986 & of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material.

SARA TITLE III INGREDIENTS	CAS#	WT. %	(REG.SECTION)	RQ (LBS)
Light Aliphatic Solvent Naphtha	*64742-89-8	Not Appl.	(311, 312)	None
Isopropanol	67-63-0	Not Appl.	(311, 312)	None
*Mixed Xylenes	1330-20-7	6	(311, 312, 313, RCRA)	100
*Ethylbenzene	67-56-1	< 5	(311, 312, 313, RCRA)	1000

SARA SECTION 311/312 HAZARDS: MATERIAL	Acute Health, Fire CAS#	TWA (OSHA)	TLV (ACGIH)	HAP
Light Aliphatic Solvent Naphtha	*64742-89-8	500 ppm	300 ppm	No
Isopropanol	67-63-0	400 ppm	400 ppm	No
*Mixed Xylenes	1330-20-7	100 ppm	100 ppm	Yes
*Ethylbenzene	67-56-1	100 ppm	100 ppm	Yes

In addition to EPA Hazardous Air pollutants showing 'Yes' under "HAP" above, using manufacturers' data, based on EPA Method 311, the following EPA Hazardous Air Pollutants may be present in trace amounts (less than 0.1%) =  
Benzene, Cumene

MATERIAL	CAS#	CEILING	STEL (OSHA/ACGIH)
Light Aliphatic Solvent Naphtha Isopropanol	*64742-89-8	None Known	5.3E3 ppm
	67-63-0	None Known	500 ppm
*Mixed Xylenes	1330-20-7	None Known	150 ppm
*Ethylbenzene	67-56-1	None Known	125 ppm

THIS PRODUCT MEETS REQUIREMENTS OF SOUTHERN  
CALIFORNIA AQMD RULE 443.1 & SIMILAR REGULATIONS

CALIFORNIA PROPOSITION 65: This product contains the following chemicals known to the state of California to cause cancer & reproductive toxicity: a trace of Benzene

IF > 1472 POUNDS OF THIS PRODUCT IS IN ONE CONTAINER THE "RQ" IS EXCEEDED.

DOT SHIPPING NAME: Paint Related Material, 3, UN1263, PG II

DRUM LABEL: (FLAMMABLE LIQUID)

SECTION 3. HAZARDS IDENTIFICATION

MATERIAL	CAS#	LOWEST KNOWN LETHAL DOSE DATA LOWEST KNOWN LD50 (ORAL)
Xylene	1330-20-7	4000.0 mg/kg (Rats)
		LOWEST KNOWN LC50 (VAPORS)
Super VM&P	*64742-89-8	3400.0 mg/kg (Rats)

THRESHOLD LIMIT VALUE: 260 ppm (Evaporated Blend)

CONTAINS: LIGHT ALIPHATIC SOLVENT NAPHTHA, ISOPROPANOL, MIXED XYLENES,  
ETHYLBENZENE

WARNING!!  
FLAMMABLE!!  
ACUTE HAZARDS

EYE & SKIN CONTACT:

Primary irritation to skin, defatting, dermatitis.

Absorption thru skin increases exposure.

Primary irritation to eyes, redness, tearing, blurred vision.

Liquid can cause eye irritation. Wash thoroughly after handling.

INHALATION:

Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression. Vapor harmful.

Breathing vapor can cause irritation.

Acute overexposure can cause damage to kidneys, blood, nerves, liver & lungs.

#### SWALLOWING:

Harmful or fatal if swallowed.

Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea.

### SUBCHRONIC HAZARDS / CONDITIONS AGGRAVATED

#### CONDITIONS AGGRAVATED

Chronic overexposure can cause damage to kidneys, blood, nerves, liver, & lungs.

Persons with severe skin, liver or kidney problems should avoid use.

### CHRONIC HAZARDS

#### CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:

Due to metabolic differences, the results are not relevant in humans.

This product may contain less than 94 ppm of Benzene.

Not considered hazardous in such low concentrations.

Absorption through skin may be harmful. Studies with laboratory animals indicate this product can cause damage to fetus.

### SECTION 4. FIRST AID MEASURES PROCEDURES

#### EYE CONTACT:

For eyes, flush with plenty of water for 15 minutes & get medical attention.

#### SKIN CONTACT:

In case of contact with skin immediately remove contaminated clothing.

Wash thoroughly with soap & water. Wash contaminated clothing before reuse.

(Discard contaminated shoes)

#### INHALATION:

After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped give

artificial respiration. CALL A PHYSICIAN IMMEDIATELY!

#### SWALLOWING:

If swallowed, CALL A PHYSICIAN IMMEDIATELY! Do NOT induce vomiting.

Have patient lie down & keep warm. Vomiting may lead to pneumonitis, which may be fatal

### SECTION 5. FIRE FIGHTING MEASURES

AUTO IGNITION TEMPERATURE: 287 C / 550 F (Lowest Component)

LOWER FLAMMABLE LIMIT IN AIR (% by vol): 1.3

FLASH POINT (TEST METHOD): 12 C / 54 F (TCC) (Lowest Component)

FLAMMABILITY CLASSIFICATION: Class I B

#### EXTINGUISHING MEDIA

NFPA Class B extinguishers (Carbon Dioxide or foam) for Class I B liquid fires.

## SPECIAL FIRE FIGHTING PROCEDURES

Water spray may be ineffective on fire but can protect fire-fighters & cool closed containers. Use fog nozzles if water is used.

Do not enter confined fire-space without full bunker gear. (Helmet with face shield, bunker coats, gloves & rubber boots).

Use NIOSH approved positive-pressure self-contained breathing apparatus.

## UNUSUAL EXPLOSION AND FIRE PROCEDURES

### FLAMMABLE!!

Keep container tightly closed.

Isolate from oxidizers, heat, sparks, electric equipment & open flame.

Closed containers may explode if exposed to extreme heat.

Applying to hot surfaces requires special precautions.

Empty container very hazardous! Continue all label precautions

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### SPILL OR LEAK PROCEDURES

Stop spill at source. Dike area & contain. Clean up remainder with absorbent materials. Mop up & dispose of. Persons without proper protection should be kept from area until cleaned up.

### WASTE DISPOSAL METHOD

Recycle or dispose of observing local, state & Federal health, safety & pollution laws. If questions exist, contact the appropriate agencies.

### OTHER PRECAUTIONS

Vapors may ignite explosively & spread long distances. Prevent vapor buildup. Put out pilot lights & turn off heaters, electric equipment & other ignition sources during use & until all vapors are gone.

## SECTION 7. HANDLING AND STORAGE

### HANDLING

Isolate from oxidizers, heat, sparks, electric equipment & open flame.

Use only with adequate ventilation. Avoid breathing of vapor or spray mist.

Avoid contact with skin & eyes.

Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier.

Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse.

Avoid free fall of liquid. Ground containers when transferring. Do not flame cut, saw, drill, braze, or weld. Empty container very hazardous! Continue all label precautions!

### STORAGE

Do not store above 49 C / 120 F. Store large amounts in structures made for OSHA Class I B liquids.

Keep container tightly closed & upright when not in use to prevent leakage.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE CONTROLS

Ventilate to keep vapors of this material below 130 ppm. If over TLV, in accordance with 29 CFR 1910.134, use NIOSH approved positive-pressure self-contained breathing apparatus. Consult Safety Equipment Supplier. Use explosion-proof equipment.

#### VENTILATION

LOCAL EXHAUST	= Necessary
MECHANICAL (GENERAL)	= Acceptable
SPECIAL	= None
OTHER	= None

#### PERSONAL PROTECTIONS:

Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier.

Wear gloves, apron & footwear impervious to this material. Wash clothing before reuse.

#### SECTION 9. PHYSICAL DATA

APPEARANCE:	Liquid, Water-White
ODOR:	Alcohol
BOILING RANGE:	83 127 143 C / 182 261 290 F
GRAVITY @ 60 F:	
API:	52.6
SPECIFIC GRAVITY (Water = 1):	.769
POUNDS / GALLON:	6.402
VOC'S (>0.44 LBS / SQ IN):	100.1 Vol. % / 769.5 g/L / 6.409 Lbs/Gal
TOTAL VOC'S (TVOC):	100.0 Vol. % / 768.6 g/L / 6.402 Lbs/Gal
NONEXEMPT VOC'S (CVOC):	100.0 Vol. % / 768.6 g/L / 6.402 Lbs/Gal
HAZARDOUS AIR POLLUTANTS (HAPS)	8.5 Wt. % / 65.3 g/L / .543 Lbs/Gal
VAPOR PRESSURE (mm of Hg) @ 20 C	15.9
NONEXEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20 C)	15.9
VAPOR DENSITY (air = 1) :	3.7
WATER ABSORPTION:	Moderate
SOLVENCY PARAMETERS:	
HKB (Hydrogen Bonding) :	16.8
PKB (Polarity) :	34.1
DKB (Dispersion) :	49.1
REFRACTIVE INDEX:	1.425
MIXED ANILINE POINT (Acid Insol)	56 C / 133 F

## SECTION 10. REACTIVITY DATA

## STABILITY

Stable

## CONDITIONS TO AVOID

Isolate from oxidizers, heat, sparks, electric equipment, & open flame.

## MATERIALS TO AVOID

Isolate from strong oxidizers such as permanganates, chromates, & peroxides.

## HAZARDOUS DECOMPOSITION PRODUCTS

Carbon Monoxide, Carbon Dioxide from burning.

## HAZARDOUS POLYMERIZATION

Will not occur.

## NOTICE

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and / or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not related to its use in combination with any other material or process.