

MATERIAL SAFETY DATA SHEET

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

U.S. Department of Labor
Occupational Safety and Health Administrator
(Non-Mandatory Form)
Form Approved OMB No. 1218-0072

IDENTITY (AS USED ON LABEL AND LIST): PRO-GREEN IRRIGATION LOW VOC MEDIUM BODIED PVC CEMENT IR	NOTE: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.
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Section I

Manufacturer's Name: J.C. WHITLAM MANUFACTURING COMPANY	Emergency Telephone Number: CHEM-TEL (800) 255-3924
Address (Number, Street, City, State, and ZIP Code): 200 WEST WALNUT STREET	Telephone Number for Information: (330) 334 - 2524
P.O. BOX 380	Date Prepared: January 26, 2012
WADSWORTH, OHIO 44282-0380	Signature of Preparer (optional):

Section II - Hazardous Ingredients/Identity Information

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY: COMMON NAME(S))	OSHA PEL	ACGIH TLV	OTHER LIMITS Recommended	% (optional)
METHYL ETHYL KETONE [CAS#78-93-3]	200 ppm	200 ppm	N/A	
TETRAHYDROFURAN [CAS#109-99-9]	200 ppm	200 ppm	N/A	
CYCLOHEXANONE [CAS#108-94-1]	50 ppm	25 ppm	N/A	
SHIPPING INFORMATION FOR: 1/4 PINT, 1/2 PINT, PINT AND QUART CONTAINERS: DEPARTMENT OF TRANSPORTATION (DOT): CONSUMER COMMODITY ORM-D				
SHIPPING INFORMATION FOR GALLON CONTAINERS AND ALL FOREIGN SHIPMENTS: ADHESIVES 3,UN1133,PGII FLAMMABLE LIQUID				

Section III - Physical/Chemical Characteristics

Boiling Point:	147.0°F (63.8°C)	Specific Gravity (H2O =1):	0.8
Vapor Pressure (mm Hg):	20.0 @ 68.0°F (20.0°C)	Melting Point:	N/A
Vapor Density (AIR = 1):	3.5	Evaporation Rate (Butyl Acetate = 1):	5.6
Solubility in Water:	NEGLIGIBLE	VOC Content (SCAQMD Rule 1168, Test Method 316A)	< 510 g/l

Appearance and Odor: GREEN TINT, VISCOUS LIQUID - ETHERAL AND ACETONE LIKE ODOR

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used): 1°F (-17.2°C) TCC	Flammable Limits:	LEL: 1.1%	UEL: 11.5%
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Extinguishing Media: DRY CHEMICAL, CARBON DIOXIDE, WATER FOG, FOAM OR ALCOHOL FOAM.

Special Fire Fighting Procedures: USE SPRAY NOZZLE DISCHARGE TO ASSIST IN CONTROLLING FIRE. WEAR SELF-CONTAINED BREATHING APPARATUS (SCBA). DO NOT USE WATER ON FIRE! WATER MAY BE USED TO COOL NEARBY CONTAINERS.

Unusual Fire and Explosion Hazards: VAPOR IS HEAVIER THAN AIR AND CAN TRAVEL CONSIDERABLE DISTANCE TO SOURCE OF IGNITION AND FLASH BACK. MATERIAL CAUSES SPECIAL HAZARD BECAUSE IT FLOATS ON WATER.

Section V - Reactivity Data	PRO-GREEN IRRIGATION LOW VOC MEDIUM BODIED PVC CEMENT IR
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Stability:	Unstable:		Conditions to Avoid: HEAT, SPARKS, AND FLAME.
	Stable: X		

Incompatibility (Materials to Avoid):
CAUSTIC SODA AND OTHER STRONG ALKALIS, STRONG INORGANIC ACIDS, AMINES, OXIDIZING AGENTS.

Hazardous Decomposition or Byproducts:

Hazardous Polymerization:	May Occur:		Conditions to Avoid: N/A
	Will Not Occur:	X	

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation? YES	Skin? YES	Ingestion? YES
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Health Hazards (Acute and Chronic):
ACUTE: INHALATION OF HIGH CONCENTRATIONS MAY CAUSE LOSS OF CONSCIOUSNESS AND MAY ENDANGER HEALTH OR LIFE. EYE CONTACT MAY CAUSE BURNS. CHRONIC: PROLONGED OR REPEATED CONCENTRATION MAY RESULT IN CENTRAL NERVOUS SYSTEM DEPRESSION AND NARCOSIS.

Carcinogenicity:	NTP? NO	IARC Monographs? NO	OSHA Regulated? NO
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Signs and Symptoms of Exposure:
EYES: REDNESS, IRRITATION. SKIN: REDNESS AND SWELLING, DERMATITIS. INGESTION: GASTROINTESTINAL IRRITATION. INHALATION: IRRITATION OF NASAL PASSAGES AND THROAT. CAUSES STUPOR.

Medical Conditions Generally Aggravated by Exposure: **RESPIRATORY DISEASES, DERMATITIS, LIVER RELATED DISEASES OR CONDITIONS, CENTRAL NERVOUS SYSTEM RELATED.**

Emergency and First Aid Procedures: **INGESTION: DO NOT INDUCE VOMITING. CONTACT A PHYSICIAN IMMEDIATELY. INHALATION: MOVE TO FRESH AIR, GIVE OXYGEN IF NEEDED. EYE CONTACT: FLUSH EYES FOR 15 MINUTES. SKIN: WASH WITH SOAP AND WATER. CONTACT A PHYSICIAN IF IRRITATED.**

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled: **ELIMINATE IGNITION SOURCES. AVOID EYE OR SKIN CONTACT. PLACE LEAKING CONTAINERS IN WELL VENTILATED AREA. IF FIRE POTENTIAL EXISTS, BLANKET WITH FOAM. CONTAIN SPILL. FOLLOW ALL APPLICABLE SAFETY AND REGULATORY PROCEDURES.**

Waste Disposal Method: **THIS PRODUCT WHEN SPILLED OR DISPOSED IS A HAZARDOUS SOLID WASTE AS DEFINED IN RCRA REGULATIONS (40CFR261). PREFERRED METHOD IS INCINERATION OR BIOLOGICAL TREATMENT IN FEDERAL/STATE APPROVED FACILITY. FOLLOW APPLICABLE REGULATIONS.**

Precautions to Be Taken in Handling and Storing:
STORE IN A COOL, WELL-VENTILATED AREA. KEEP AWAY FROM HEAT, SPARKS, AND FLAME. KEEP CONTAINER CLOSED. USE SPARK RESISTANT TOOLS. USE ADEQUATE VENTILATION; AVOID BREATHING VAPORS. AVOID CONTACT WITH EYES, SKIN, CLOTHING. WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING.

Other Precautions: **WASH CONTAMINATED CLOTHING THOROUGHLY BEFORE REUSE.**

Section VIII - Control Measures

Respiratory Protection (Specify Type):
NIOSH APPROVED ORGANIC VAPOR CARTRIDGE OR CANISTER RESPIRATOR OR PROVIDE NORMAL VENTILATION.

Ventilation:	Local Exhaust: RECOMMENDED TO CONTROL EXPOSURE	Special: N/A
	Mechanical (General): NOT RECOMMENDED AS SOLE MEANS	Other: MECHANICAL MUST BE EXPLOSION PROOF

Protective Gloves: PVA GLOVES	Eye Protection: CHEMICAL OR SAFETY GOGGLES
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Other Protective Clothing or Equipment:
IMPERVIOUS BODY COVERING AND BOOTS IN AREAS WHERE SPILLS AND SPLASHING OCCUR.

Work/Hygienic Practices: **WASH HANDS BEFORE EATING OR USING TOILET FACILITIES.**