

MATERIAL SAFETY DATA SHEET

HMIS CODES:

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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): AQUA-PRO 2000 WATER SOLUBLE PASTE FLUX WF	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: (330) 334 - 2524
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)
ZINC CHLORIDE [CAS#7646-85-7]	1 mg/m ³	1 mg/m ³	N/A	N/A

Section III - Physical/Chemical Characteristics

Boiling Point:(DEG F)	>200	Specific Gravity (68 F):	>1
Vapor Pressure (mm Hg):	< 0.1 @ 68°F(20°C)	Melting Point:	N/AV
Vapor Density (AIR = 1):	N/AV	Relative Evaporation Rate (Estimated)	<1
Solubility in Water:	MISCIBLE	VOC Content:	0 g/l

Appearance and Odor: OPAQUE PASTE WITH MILD SWEET ODOR

Section IV - Fire and Explosion Hazard Data

Flash Point (TCC, DEG F): >300	Flammable Limits:	LEL: N/A	UEL: N/A
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Extinguishing Media: EXTINGUISH WITH DRY CHEMICAL, CO₂ OR A UNIVERSAL TYPE FOAM.

Special Fire Fighting Procedures:
 WEAR APPROPRIATE PROTECTIVE EQUIPMENT INCLUDING RESPIRATORY PROTECTION AS CONDITIONS WARRANT. STOP SPILL/RELEASE IF IT CAN BE DONE WITHOUT RISK. WATER SPRAY MAY BE USEFUL IN MINIMIZING OR DISPERSING VAPORS AND COOLING EQUIPMENT EXPOSED TO HEAT AND FLAME. AVOID SPREADING BURNING LIQUID WITH WATER USED FOR COOLING PURPOSES.

Unusual Fire and Explosion Hazards: MAY DECOMPOSE DURING CONTACT WITH FLAMES, HEATING ELEMENTS, OR IN COMBUSTION ENGINES RELEASING IRRITATING GASES. CONTAINER MAY EXPLODE IF HEATED DUE TO RESULTING PRESSURE RISE.

Section V - Reactivity Data	AQUA-PRO 2000 WATER SOLUBLE PASTE FLUX	WF
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Stability:	Unstable:		Conditions to Avoid:
	Stable:	X	

Incompatibility (Materials to Avoid): OXIDIZING AGENTS, STRONG ACIDS AND BASES POTASSIUM, BROMINE PENTAFLUORIDE, NITROGEN TRIOXIDE, HYDROGEN CYANIDE, IODINE PENTAFLUORIDE AND POTASSIUM CHLORATE.

Hazardous Decomposition or Byproducts: THERMAL DECOMPOSITION IN THE PRESENCE OF AIR MAY YIELD CARBON MONOXIDE AND/OR CARBON DIOXIDE.

Hazardous Polymerization:	May Occur:		Conditions to Avoid:
	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):

Carcinogenicity:	NTP? NO	IARC Monographs? NO	OSHA Regulated? NO
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Signs and Symptoms of Exposure:

INHALATION: NOT EXPECTED TO BE A HAZARD UNDER NORMAL OPERATING CONDITIONS.

SKIN CONTACT: CONTACT WITH SKIN CAN LEAD TO SEVERE BURNS OR DERMATITIS AND ULCERATION DEPENDING ON DURATION OF EXPOSURE.

SKIN ABSORPTION: COMPONENTS OF THIS PRODUCT ARE NOT KNOWN TO BE SKIN-ABSORBING AGENTS.

EYE CONTACT: EYE CONTACT WITH ONE OR MORE COMPONENTS OF THIS PRODUCT CAN LEAD TO CONJUNCTIVITIS AND CORNEAL BURNS.

INGESTION: CAN LEAD TO STOMACH PAINS, NAUSEA, VOMITING, BLOODY DIARRHEA, EDEMA, ALBUMINURIA AND SHOCK.

Medical Conditions Generally Aggravated by Exposure: NONE REPORTED.

Emergency and First Aid Procedures:

INHALATION: NOT EXPECTED TO BE A HAZARD UNDER NORMAL OPERATING CONDITIONS.

SKIN CONTACT: REMOVE CONTAMINATED SHOES AND CLOTHING AND CLEANSE AFFECTED AREAS THOROUGHLY BY WASHING WITH MILD SOAP AND WATER AND SEEK MEDICAL ATTENTION.

EYE CONTACT: IF PRODUCT IS SPLASHED INTO EYES, FLUSH EYES WITH CLEAN WATER FOR AT LEAST 15 MINUTES AND SEEK MEDICAL ATTENTION.

INGESTION: IF SWALLOWED, SEEK EMERGENCY MEDICAL ATTENTION. DO NOT INDUCE VOMITING. OFFER VICTIM WATER OR MILK. DO NOT GIVE DILUTENTS TO SOMEONE WHO IS UNCONSCIOUS OR HAVING TROUBLE SWALLOWING.

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled:

KEEP ALL SOURCES OF IGNITION AND HOT METAL SURFACES AWAY FROM SPILL/RELEASE. STAY UPWIND AND AWAY FROM SPILL/RELEASE. ISOLATE HAZARD AREA AND LIMIT ENTRY TO EMERGENCY CREW ONLY. STOP SPILL/RELEASE IF IT CAN BE DONE WITHOUT RISK. WEAR APPROPRIATE PROTECTIVE EQUIPMENT INCLUDING RESPIRATORY PROTECTION AS CONDITIONS WARRANT. PREVENT SPILLED MATERIAL FROM ENTERING SEWERS, STORM DRAINS, AND NATURAL WATERWAYS. DIKE FAR AHEAD OF SPILL FOR LATER RECOVERY AND DISPOSAL. SPILLED MATERIAL MAY BE ABSORBED BY AN APPROPRIATE ABSORBENT. NOTIFY FIRE AUTHORITIES AND APPROPRIATE FEDERAL, STATE AND LOCAL AGENCIES. IF SPILL/RELEASE IS IN EXCESS OF EPA REPORTABLE QUANTITY, IMMEDIATELY NOTIFY THE NATIONAL RESPONSE CENTER, PHONE 800-424-8802.

Waste Disposal Method: DISPOSE OF PRODUCT IN ACCORDANCE WITH LOCAL, COUNTY, STATE AND FEDERAL REGULATIONS..

Precautions to Be Taken in Handling and Storing: AVOID GETTING THIS PRODUCT ON YOU OR IN YOU. STORE PRODUCT IN PROPERLY LABELED CLOSED CONTAINERS.

Section VIII - Control Measures

Respiratory Protection (Specify Type): NONE REQUIRED UNDER ROUTINE CONDITIONS OF USE. THE USE OF RESPIRATORY PROTECTION IS ADVISED WHEN CONCENTRATES EXCEED THE ESTABLISHED EXPOSURE LIMITS.

Ventilation: USE WITH ADEQUATE VENTILATION TO MAINTAIN AIRBORNE CONCENTRATIONS BELOW ESTABLISHED EXPOSURE LIMITS. ADDITIONAL VENTILATION OR EXHAUST SYSTEMS MAY BE REQUIRED.

Protective Gloves: WORK GLOVES ARE RECOMMENDED.

Eye Protection: SAFETY GLASSES.

Other Protective Clothing or Equipment: AS PER WORKPLACE STANDARDS.

Work/Hygienic Practices: WASH HANDS AFTER HANDLING THIS PRODUCT. DO NOT EAT OR DRINK WHILE HANDLING THIS PRODUCT.