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Project 09CA43424

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REPORT

on

Pipe Joint Compounds (QLSRC)

J C WHITLAM MFG CO.  
Wadsworth, OH

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## DESCRIPTION

## PRODUCT COVERED:

Pipe joint compound, "Blue Magic".

## COMPLIANCE:

The product described herein has been investigated to, and found in compliance with CAN/ULC-S642-07, the Standard for Compounds and Tapes for Threaded Pipe Joints.

## GENERAL CHARACTER AND USE:

The compound is a non-setting material used for the joining and sealing of threaded metal pipe connections handling; natural gas and methane at pressures not exceeding 2,070 kPa (300 psi), propane and butane at pressures not exceeding 1,725 kPa (250 psi), and petroleum distillates at pressures not exceeding 1,000 kPa (145 psi). The compound is not to be applied at temperatures less than -45°C (-49°F). There is to be a 24 hour curing period after the pipe has been assembled and prior to the pipe being placed into service. The flash point is 28°C (82°F). The fire hazard rating is 50 to 60, for a general classification between ethyl alcohol and kerosene.

ILLUSTRATION INDEX

<u>ILL.</u> <u>No.</u>	<u>Description</u>
1	Thermographic Analysis
2	MSDS

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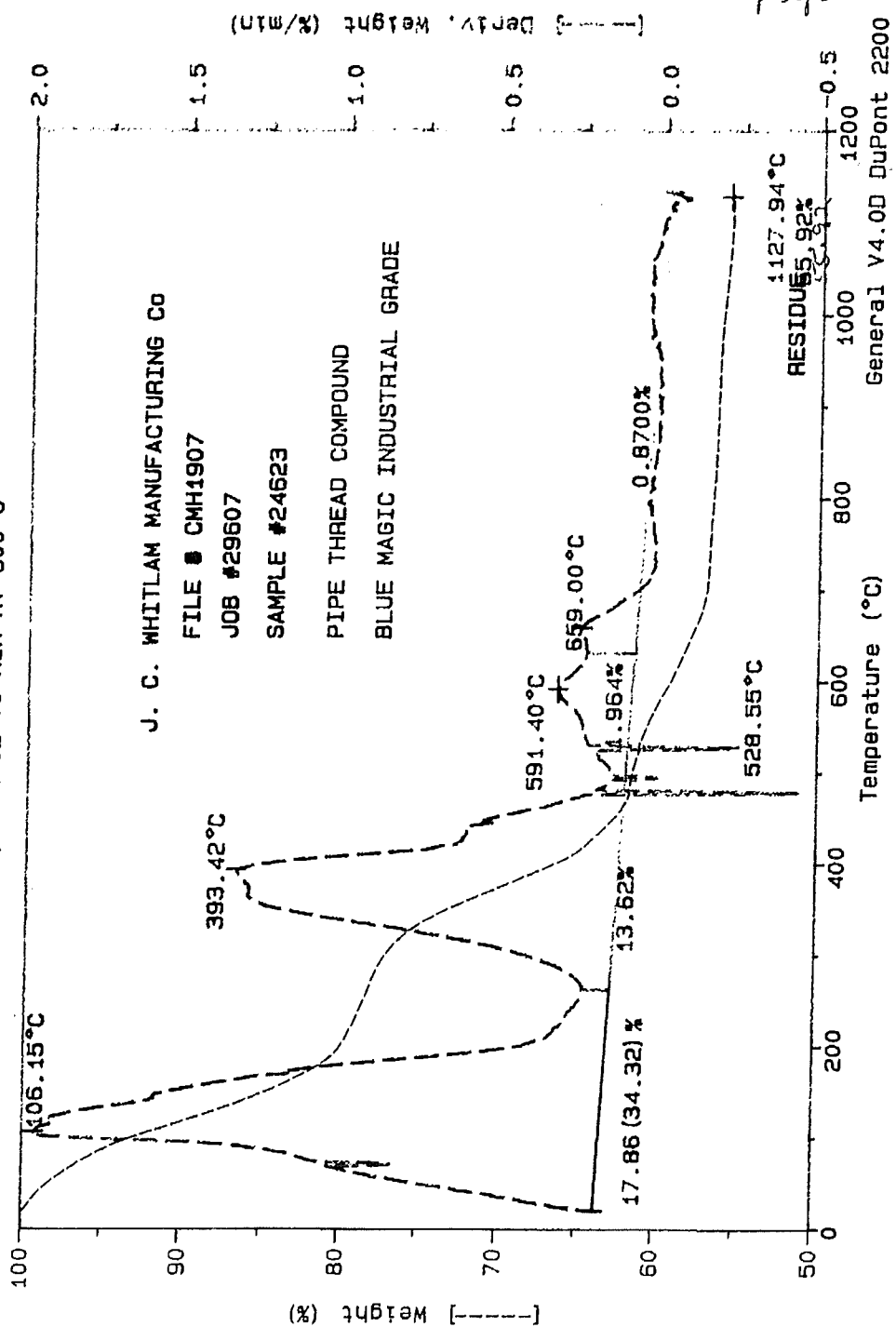
Sample: PIPE JOINT COMPOUND  
 Size: 23.6050 mg  
 Method: METHOD #2 TGA  
 Comment: RAMP 10°C/MIN TO 1200°C, CHANGE TO AIR AT 800°C

# TGA

File: R963

Operator: D. BARRERA

Run Date: 10-Dec-98 09:12



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General Analysis

File: R963 Run Date: 10-Dec-98 09:12  
Program: General V4.0D Run Number: 963

DuPont 2200 Thermal Analysis --- TGA

Sample: PIPE JOINT COMPOUND  
Size: 23.6050 mg  
Cell Constant: 1.0000  
Operator: D. BARRERA  
Method: METHOD #2 TGA  
Comment: RAMP 10°C/MIN TO 1200°C, CHANGE TO AIR AT 800°C

Peak	Start °C	Onset °C	Max °C	Height %/min	Stop °C	Area %	Main
20.25			106.15	1.795	262.55	17.86	Total
262.55		393.42	528.55	1.216	493.33	34.32	Back Perp.
493.33		659.00	659.00	-0.3189	631.79	13.62	Back Perp.
631.79				0.1775	1133.97	1.964	Back Perp.
						0.8700	Back Perp.

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## MATERIAL SAFETY DATA SHEET / FICHE SIGNALÉTIQUE

### SECTION I — MATERIAL IDENTIFICATION AND USE / IDENTIFICATION DE LA MATIÈRE ET USAGE

#### MATERIAL NAME / IDENTIFIER — NOM / IDENTIFICATION DE LA MATIÈRE

Blue Magic

Date Prepared: FEBRUARY 18, 1998

MANUFACTURER'S NAME / NOM DU FABRICANT J. C. Whitlam Manufacturing Company		SUPPLIER'S NAME / NOM DU FOURNISSEUR Not Applicable	
STREET ADDRESS / ADRESSE 200 West Walnut Street P. O. BOX 380		STREET ADDRESS / ADRESSE Not Applicable	
CITY / VILLE Wadsworth		CITY / VILLE Not Applicable	
PROVINCE OH		PROVINCE Not Applicable	
NORMAL CODE / CODE NORMAL 44282-0380		EMERGENCY PHONE NO. / LE TÉLÉPHONE D'URGENCE 330-334-2524	
CHEMICAL NAME / DÉNOMINATION CHIMIQUE Not Applicable		CHEMICAL FORMULA / FORMULE CHIMIQUE Not Applicable	
TRADE NAME AND SYNONYMS / APPELLATION COMMERCIALE ET SYNONYMES Blue Magic		MATERIAL USE / UTILISATION DE LA MATIÈRE Not Applicable	

### SECTION II — HAZARDOUS INGREDIENTS OF MATERIAL / INGRÉDIENTS DANGEREUX DE LA MATIÈRE

HAZARDOUS INGREDIENTS / INGRÉDIENTS DANGEREUX	APPROXIMATE CONCENTRATION / CONCENTRATION APPROXIMATIVE (%)	C.A.S. NO. OR U.N. NUMBER / NO. DU CAS, NO. DU C.N.U.	L.A. SPECIFY SPECIES & ROUTE / S.P. (SPECIFIER L'ESPECE ET LA VOIE D'ADMINISTRATION)	L.C. (IMPACT SPECIES AND ROUTE) / C.L. (IMPACTER L'ESPECE ET LA VOIE D'ADMINISTRATION)
ISOPROPYL ALCOHOL	5-10%	67630	5840 mg/kg Ingestion	12000 ppm Inhalation
ETHYLENE GLYCOL N BUTYL ETHER	13-18%	111762	470 mg/kg Ingestion	700 ppm Inhalation
CASTOR OIL	18-23%	8001794	None Established	

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### SECTION III — PHYSICAL DATA FOR MATERIAL / CARACTÉRISTIQUES PHYSIQUES DE LA MATIÈRE

PHYSICAL STATE / ÉTAT PHYSIQUE <input type="checkbox"/> GAS / GAZ <input type="checkbox"/> LIQUID / LIQUIDE <input checked="" type="checkbox"/> SOLID / SOLIDE		ODOR AND APPEARANCE / ODEUR ET APPARENCE SLIGHT ALCOHOL ODOR	
ODOR THRESHOLD (PPM) / SEUIL DE L'ODEUR (PPM) Not Applicable	SPECIFIC GRAVITY / DENSITÉ RELATIVE 1.41	VAPOR PRESSURE (MM) / TENSION DE VAPEUR (MM) Not Applicable	VAPOR DENSITY (AIR = 1) / DENSITÉ DE VAPEUR (AIR = 1) Not Applicable
EVAPORATION RATE / TAUX D'ÉVAPORATION Not Applicable	BOILING POINT (°C) / POINT D'ÉBULLITION (°C) Not Applicable	FREEZING POINT (°C) / POINT DE CONGÉLATION (°C) Not Applicable	SOLUBILITY IN WATER (G/G) / SOLUBILITÉ DANS L'EAU (G/G) SLIGHT
% VOLATILE (BY VOLUME) / % VOLATILE (PAR VOLUME) Not Applicable	COEFFICIENT OF WATER OR DISTRIBUTION / COEFFICIENT DE RÉPARTITION EAUX/MAI		

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**SECTION IV — FIRE AND EXPLOSION HAZARD OF MATERIAL / RISQUES D'INCENDIE ET D'EXPLOSION DU MATÉRIEL**

FLAMMABILITY / INFLAMMABILITE  YES / OUI  NO / NON  
IF YES, UNDER WHICH CONDITIONS? / SI OUI, DANS QUELLES CONDITIONS?

MEANS OF EXTINCTION / MOYENS D'EXTINCTION  
  
CARBON DIOXIDE OR DRY CHEMICAL OR WATER

SPECIAL PROCEDURES / MARCHÉ À SUIVRE SPÉCIALE  
  
NONE

FLASHPOINT (°C) AND METHOD / POINT D'ÉCLAIR (°C) ET MÉTHODE DE DÉTERMINATION 28° C TTC	UPPER EXPLOSION LIMIT (L) BY VOLUME / SEUIL SUPÉRIEUR D'EXPLOSION (L) PAR VOLUME NOT APPLICABLE	LOWER EXPLOSION LIMIT (L) BY VOLUME / SEUIL INFÉRIEUR D'EXPLOSION (L) PAR VOLUME NOT APPLICABLE
AUTOTEMPERATURE (°C) / TEMPÉRATURE D'AUTO-INFLAMMATION (°C) NOT APPLICABLE		HAZARDOUS COMBUSTION PRODUCTS / PRODUITS DE COMBUSTION DANGEREUX NONE

**EXPLOSION DATA / DONNÉES SUR L'EXPLOSIIBILITÉ**

SENSITIVITY TO MECHANICAL IMPACT / SENSIBILITÉ AUX CHOCES NONE	SENSITIVITY TO STATIC CHARGE / SENSIBILITÉ AUX DÉCHARGES ÉLECTROSTATIQUES NONE
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**SECTION V — REACTIVITY DATA / DONNÉES SUR LA RÉACTIVITÉ**

CHEMICAL STABILITY / STABILITÉ CHIMIQUE  YES / OUI  NO / NON  
IF NO, UNDER WHICH CONDITIONS? / SI NON, DANS QUELLES CONDITIONS?

INCOMPATIBILITY TO OTHER SUBSTANCES / INCOMPATIBILITÉ AVEC D'AUTRES SUBSTANCES  YES / OUI  NO / NON  
IF NO, WHICH ONE(S)? / SI NON, AVEC LESQUELLES?

REACTIVITY AND UNDER WHAT CONDITIONS / RÉACTIVITÉ — DANS QUELLES CONDITIONS?  
DO NOT USE ON OXYGEN SYSTEMS

HAZARDOUS DECOMPOSITION PRODUCTS / PRODUITS DE DÉCOMPOSITION DANGEREUX  
NONE

**SECTION VI — TOXICOLOGICAL PROPERTIES OF MATERIAL / PROPRIÉTÉS TOXICOLOGIQUES DE LA MATIÈRE**

ROUTE OF ENTRY / VOIE D'ADMINISTRATION

<input checked="" type="checkbox"/> SKIN CONTACT / CONTACT AVEC LA PEAU	<input type="checkbox"/> SKIN ABSORPTION / ABSORPTION PAR LA PEAU	<input checked="" type="checkbox"/> EYE CONTACT / CONTACT OCULAIRE
<input checked="" type="checkbox"/> INHALATION ACUTE / INHALATION AIGUË	<input type="checkbox"/> INHALATION CHRONIC / INHALATION CHRONIQUE	<input checked="" type="checkbox"/> INGESTION

EFFECTS OF ACUTE EXPOSURE TO MATERIAL / EFFETS DE L'EXPOSITION AIGUË À LA MATIÈRE  
EYE CONTACT - MAY CAUSE IRRITATION  
INHALATION - DIZZY FEELING  
SKIN CONTACT - MAY CAUSE RASH TO SENSITIVE SKIN  
INGESTION - SICKNESS TO STOMACH - NAUSEA

EFFECTS OF CHRONIC EXPOSURE TO MATERIAL / EFFETS DE L'EXPOSITION CHRONIQUE À LA MATIÈRE  
NOT APPLICABLE

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<b>MATERIAL NAME/IDENTIFIER NOM/IDENTIFICATION DE LA MATIÈRE</b> ▶ BLUE MAGIC	
LC <sub>50</sub> OF MATERIAL (SPECIFY SPECIES & ROUTE) LC <sub>50</sub> DE LA MATIÈRE (PRÉCISER L'ESPÈCE ET LA VOIE D'ADMINISTRATION)	LC <sub>50</sub> OF MATERIAL (SPECIFY SPECIES & ROUTE) LC <sub>50</sub> DE LA MATIÈRE (PRÉCISER L'ESPÈCE ET LA VOIE D'ADMINISTRATION)
NOT APPLICABLE	NOT APPLICABLE
EXPOSURE (LIMITS/LIMITES D'EXPOSITION)	POTENCY OF MATERIAL/POUVOIR POTENTIEL DE LA MATIÈRE
NOT APPLICABLE	NOT APPLICABLE
IDENTIFICATION OF MATERIAL/RECONNAISSANCE À LA MATIÈRE	ETHNOGENETIC MATERIALS/MATIÈRES ETHNOGÉNÉTIQUES
NOT APPLICABLE	NOT APPLICABLE
CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY/CANCÉROGÉNÉCITÉ, EFFETS NOUVEAUX SUR LA REPRODUCTION, TERATOGENÉCITÉ, MUTAGÉNÉCITÉ	
NONE	
<b>SECTION VII — PREVENTIVE MEASURES / MESURES PRÉVENTIVES</b>	
<b>PERSONAL PROTECTIVE EQUIPMENT/MATÉRIEL PERSONNEL DE PROTECTION</b>	
GLOVES (SPECIFY QUANT. PRECISION)	EYE (SPECIFY TYPE PRECISION)
FOR SENSITIVE SKIN ONLY	SAFETY EYEWEAR RECOMMENDED
RESPIRATORY (SPECIFY APPARATUS RESPIRATORY PRECISION)	
NONE NECESSARY IN ADEQUATELY VENTILATED AREAS.	
OTHER (SPECIFY/AUTRES PRÉCISIONS)	
NOT APPLICABLE	
ENGINEERING CONTROLS (E.G. VENTILATION, ENCLOSED PROCESS, SPECIFY MECHANISM) TECHNIQUES DE VENTILATION OPÉRATION EN MILIEU FERMÉ, PRÉCISION	
NOT APPLICABLE	
LEAK AND SPILL PROCEDURE/MEASURES EN CAS DE FUITE OU DE DÉVERSEMENT	
NOT APPLICABLE	
WASTE DISPOSAL/ELIMINATION OF RESIDUES	
DISPOSAL IN ACCORDANCE WITH ALL LOCAL, PROVINCE AND FEDERAL REGULATIONS.	
HANDLING PROCEDURES AND EQUIPMENT/MÉTHODES ET ÉQUIPEMENT POUR LA MANUTENTION	
NOT APPLICABLE	
STORAGE REQUIREMENTS/CONDICTIONS D'ENTRÉE EN STOCK	
KEEP CLOSURE TIGHT AND CONTAINER UPRIGHT TO PREVENT LEAKAGE	
SPECIAL SHIPPING INFORMATION/RECOMMANDATIONS SPÉCIALES POUR L'EXPÉDITION	
NOT APPLICABLE	

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**SECTION VIII — FIRST AID MEASURES / PREMIERS SOINS**

EYE CONTACT - FLUSH WITH WATER FOR 15 MINUTES CALL PHYSICIAN  
INGESTION - DO NOT INDUCE VOMITING, CALL PHYSICIAN IMMEDIATELY  
INHALATION - REMOVE TO FRESH AIR SOURCE,  
SKIN CONTACT - REMOVE FROM SKIN - USE A TOPICAL LOTION IF NECESSARY

**ADDITIONAL INFORMATION / RENSEIGNEMENTS SUPPLEMENTAIRES**

DO NOT GET IN EYES  
KEEP AWAY FROM CHILDREN  
STORE AWAY FROM HEAT  
AVOID PROLONGED BREATHING OF FUMES.

**SECTION IX — PREPARATION DATE OF M.S.D.S. / FICHE SIGNALÉTIQUE**

PREPARED BY (GROUP, DEPARTMENT, ETC) / PRÉPARÉ PAR (GROUPE, DÉPARTEMENT, ETC)

TELEPHONE NUMBER / N° DE TÉLÉPHONE

DATE

DOUGLAS A. WHITLAM

330-334-2524

2/18/98

**ADDITIONAL NOTES OR REFERENCES / NOTES ADDITIONNELLES OU RÉFÉRENCES :**

CONCLUSION

Samples of the product covered by this Report have been found to comply with the requirements covering the category and the product is judged to be eligible for Listing and Follow-Up Service. The manufacturer is authorized to use the ULC Mark on such products, which comply with the Follow-Up Service Procedure and any other applicable requirements of Underwriters' Laboratories of Canada. Only those products, which properly bear the ULC Mark, are considered as Listed by Underwriters' Laboratories of Canada.

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