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MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

REVISED 4/89

MANUFACTURER'S NAME

BROTHERS RESEARCH CORPORATION

EMERGENCY TELEPHONE NO.

(919) 229-6480

ADDRESS (Number, Street, City, State, and ZIP Code)

2245 AIRPARK DRIVE, BURLINGTON, NC 27215

CHEMICAL NAME AND SYNONYMS
PHOSPHORIC ACID CLEANER

TRADE NAME AND SYNONYMS
DURAGLOSS WC

CHEMICAL FAMILY

PHOSPHORIC ACID CLEANER

FORMULA

PROPRIETARY

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS 2-BUTOXY ETHANOL	5		FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES (CAS# 111-76-2)			OTHERS		
OTHERS PHOSPHORIC ACID	5				
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	200°	SPECIFIC GRAVITY (H ₂ O=1)	1.1
VAPOR PRESSURE (mm Hg.)	NA	PERCENT, VOLATILE BY VOLUME (%)	90
VAPOR DENSITY (AIR=1)	NA	EVAPORATION RATE (_____ =1)	NA
SOLUBILITY IN WATER	SOLUBLE		
APPEARANCE AND ODOR			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	200°F	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA	WATER, CO ₂ , FOAM			
SPECIAL FIRE FIGHTING PROCEDURES				
NONE				
UNUSUAL FIRE AND EXPLOSION HAZARDS				
NONE				

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE	NA
EFFECTS OF OVEREXPOSURE	AVOID PROLONGED CONTACT WITH SKIN. AVOID CONTACT WITH EYES.
DO NOT TAKE INTERNALLY.	
EMERGENCY AND FIRST AID PROCEDURES	SKIN CONTACT - WASH WITH SOAP AND WATER - APPLY LOTION TO ADD MOISTURE
	EYE CONTACT - WASH WITH WATER - SEEK MEDICAL ATTENTION.
	INGESTION - DO NOT TAKE INTERNALLY.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	ALKALI
INCOMPATIBILITY (Materials to avoid)			
ALKALI			
HAZARDOUS DECOMPOSITION PRODUCTS			
NA			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	ALKALI

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
WASH AREA WITH WATER OR COVER WITH ABSORBANT INERT MATERIAL
WASTE DISPOSAL METHOD
DISPOSE ACCORDING TO LOCAL, STATE OR FEDERAL REGULATIONS

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)			
NONE			
VENTILATION	LOCAL EXHAUST	X	SPECIAL
	MECHANICAL (General)		OTHER
PROTECTIVE GLOVES		YES	EYE PROTECTION
			YES
OTHER PROTECTIVE EQUIPMENT			
NONE			

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
AVOID CONTACT WITH ALKALI
OTHER PRECAUTIONS