

# MATERIAL SAFETY DATA SHEET

401  
2/10 403  
2

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 <b>BROTHERS RESEARCH CORPORATION</b>		EMERGENCY TELEPHONE NO. <b>(919) 229-6480</b>
ADDRESS (Number, Street, City, State, and ZIP Code) <b>2245 AIRPARK DRIVE, BURLINGTON, NC 27215</b>		
CHEMICAL NAME AND SYNONYMS <b>SURFACTANT, ALKALI, SOLVENT</b>		TRADE NAME AND SYNONYMS <b>DURACLOSS APC</b>
CHEMICAL FAMILY <b>BUTYL CLEANER</b>	FORMULA <b>PROPRIETARY</b>	

## 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-BUTOXYETHANOL	5		FILLER METAL PLUS COATING OR CORE FLUX	
ADDITIVES (CAS # 111-76-2)			OTHERS	
OTHERS				
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES			%	TLV (Units)
CONTAINS ALKALINE COMPOUNDS				

## SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	212°	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	1.0
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	CLEAR LIQUID		

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	> 200°F	FLAMMABLE LIMITS	Loi	Uoi
EXTINGUISHING MEDIA	WATER, CO <sub>2</sub> , 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

ACIDS

INCOMPATIBILITY (Materials to avoid)

ACIDS

HAZARDOUS DECOMPOSITION PRODUCTS

NA

HAZARDOUS POLYMERIZATION

MAY OCCUR

CONDITIONS TO AVOID

WILL NOT OCCUR

X

ACIDS

### SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

WASH 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 REQUIRED

VENTILATION

LOCAL EXHAUST

X

SPECIAL

MECHANICAL (General)

OTHER

PROTECTIVE GLOVES

YES

EYE PROTECTION

YES

OTHER PROTECTIVE EQUIPMENT

### SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

STORE AWAY FROM ACIDS

OTHER PRECAUTIONS