

MATERIAL SAFETY DATA SHEET

p/n 821

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 SURFACTANT, ALKALI, SOLVENT		TRADE NAME AND SYNONYMS DURAGLOSS CCWC
CHEMICAL FAMILY BUTYL 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-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 ₂ 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	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	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)			
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