

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 SURFACTANT, ALKALI, SOLVENT		TRADE NAME AND SYNONYMS DURAGLOSS WTC
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°F	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	<table border="1"> <tr> <td>LeL</td> <td>UeL</td> </tr> <tr> <td></td> <td></td> </tr> </table>	LeL	UeL		
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)			
NONE REQUIRED			
VENTILATION	LOCAL EXHAUST		SPECIAL
	MECHANICAL (General)	X	OTHER
PROTECTIVE GLOVES		EYE PROTECTION	
YES		YES	
OTHER PROTECTIVE EQUIPMENT			

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
STORE AWAY FROM ACIDS	
OTHER PRECAUTIONS	