

# MATERIAL SAFETY DATA SHEET

2/10/457

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  
SURFACTANTS, SOLVENT, AMMONIUM HYDROXIDE

TRADE NAME AND SYNONYMS  
DURAGLOSS VC

CHEMICAL FAMILY  
FABRIC & VINYL 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	3	50	FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES (CAS# 111-76-2)			OTHERS		
OTHERS AMMONIA CAS#1336-21-6					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
NONE					

## SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	NA	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	1.0
VAPOR PRESSURE (mm Hg.)	60	PERCENT VOLATILE BY VOLUME (%)	95
VAPOR DENSITY (AIR=1)	NA	EVAPORATION RATE (_____ =1)	NA
SOLUBILITY IN WATER	SOLUBLE		
APPEARANCE AND ODOR	WHITE FOAM, FRAGRANCED		

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	NON-FLAMMABLE	FLAMMABLE LIMITS	Lel	Uel
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

DO NOT BREATHE VAPORS FOR EXTENDED TIME - MAY CAUSE HEADACHE

OR DIZZINESS.

EMERGENCY AND FIRST AID PROCEDURES

PROLONGED SKIN CONTACT MAY CAUSE MILD IRRITATION - AVOID CONTACT WITH EYES -

WASH AFFECTED AREA WITH WATER.

### SECTION VI - REACTIVITY DATA

STABILITY

UNSTABLE

CONDITIONS TO AVOID

STABLE

X

OPEN FLAME, EXTREMEM HEAT

INCOMPATABILITY *(Materials to avoid)*

NONE

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS  
POLYMERIZATION

MAY OCCUR

CONDITIONS TO AVOID

WILL NOT OCCUR

X

OPEN FLAME, EXTREME HEAT

### 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

NOT REQUIRED

EYE PROTECTION

NOT REQUIRED

OTHER PROTECTIVE EQUIPMENT

NONE

### SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

DO NOT STORE ABOVE 130°F

OTHER PRECAUTIONS

NONE