

**U. S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration**

Form Approved
OMB No. 44-81387

MATERIAL SAFETY DATA SHEET

167

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

SECTION I

MANUFACTURER'S NAME Lanco Chemical		EMERGENCY TELEPHONE NO. 1-419-524-1520
ADDRESS (Number, Street, City, State, and ZIP Code) Box 473 Mansfield Oh 44901		
CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS <i>Blowdown</i> Bowl Cleaner	
CHEMICAL FAMILY Blended Acid Detergent	FORMULA	

SECTION II HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
Hydrochloric Acid				23.75	5ppm

SECTION III PHYSICAL DATA

BOILING POINT (°F.)	212°F	SPECIFIC GRAVITY (H ₂ O=1)	1
VAPOR PRESSURE (mm Hg.)		PERCENT VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR=1)		EVAPORATION RATE (=1)	
SOLUBILITY IN WATER	Complete		
APPEARANCE AND ODOR	Milky White Acidic odor		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	None	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA	Water, Carbon Dioxide, Foam, Chemical			
SPECIAL FIRE FIGHTING PROCEDURES	None			
UNUSUAL FIRE AND EXPLOSION HAZARDS	None			

SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE Not Established

EFFECTS OF OVEREXPOSURE Dizziness, Headache, Nausea, Skin Irritant, Eye Irritant.

EMERGENCY AND FIRST AID PROCEDURES
 Remove to fresh air. Do not induce vomiting/ Call physician immediately.
 If splashed in eyes rinse with water for 15 minutes. Call physician immediately.

SECTION VI REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	

INCOMPATIBILITY (Materials to avoid)

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Dike & Absorb with material such as vermiculate. Transfer to container for disposal.

WASTE DISPOSAL METHOD

Dispose according to Federal, State, & Local regulation.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) None

VENTILATION	LOCAL EXHAUST Adequate for clean work air	SPECIAL None
	MECHANICAL (General) None	OTHER None

PROTECTIVE GLOVES Rubber EYE PROTECTION Goggles

OTHER PROTECTIVE EQUIPMENT Rubber apron if desired.

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Do not freeze. Corrosive

OTHER PRECAUTIONS

Do not take internally