

A4681001

**U.S. Department of Labor  
Occupational Safety and Health Administration.**

Material Safety Data Sheet  
Required under USDL Safety and Health Regulations for Ship Repairing,  
Shipbuilding, and shipbreaking (20 CFR 1915, 1916, 1917)

**Section I**

Manufacturers Name	Emergency Telephone No.	(800) 466-8910 10/20/05
Durall MFG.		HMIS Rating (NPCA)
7723 Pillsbury Ave. S.		4 Health
Minneapolis, MN. 55423		0 Flammability
		4 Reactivity
		4 Personal Protection Equipment

Trade name & Synonyms: Dura Kleen # 939  
Chemical name & Synonyms: Inorganic Acid Base Material & Cleaner  
Chemical Family: Inorganic Acids - Aqueous wetting agents  
Formula: Muriatic Acid, Butyl Cellosolve, detergents, wetting agents, water softeners.

**Section II Hazardous Ingredients**

Paint, preservatives, & Solvent	%	TLV
Pigments	N/A	N/A
Catalysts	N/A	N/A
Vehicle	N/A	N/A
Solvents	N/A	N/A
Additives	N/A	N/A
Others	N/A	N/A
Alloys	N/A	N/A
Metallic Coatings	N/A	N/A
Filler metal	N/A	N/A
Other	N/A	N/A

Hazardous mixtures of other liquids, solids, or gasses: Muriatic Acid 16.0% CAS Number: 7647-01-0,  
Butyl Cellulose 1.0% Number CAS # 1634044

**Section III Physical Data**

Boiling point: 212      Vapor pressure (mm Hg):  
Vapor density (Air=1):      Vaporization rate (water=1):  
Appearance & odor:  
Yellow tinted liquid - irritating pungent odor  
Specific gravity (H<sub>2</sub>O=1): 1      Percent, Volatility:

**Section IV Fire & Explosion Hazard Data**

Flash Point (method used): Nonflammable  
Flammability limits      Lei      Uei  
   N/A      N/A  
Extinguishing Media:  
Use dry foam, chemical or CO<sub>2</sub>  
Special fire fighting procedures:  
Protection, General  
Usual Fire & explosion hazards:  
Eye area. Eye and face protection. Cid-proof hand protection. General

Degrease Rite # 1347

### Section V Health Hazards and First Aid Information

Threshold Limit Value:  
Health Hazards:  
Effects of over exposure:  
Dizziness, lung irritations, eye irritations, congestion of lungs.  
Emergency and first aid:  
Immediately rinse skin with water for at least 15 minutes. Consult Physician.

### Section VI Reactivity Data

Stability:	Stable
Conditions to avoid:	Oxidizing agents
Incompatibility:	Oxidizing agents
Hazardous decomposition products:	Could form chlorine gases with oxidizing agents (bleach).
Hazardous polymerization:	will not occur

### Section VII spill or leak procedures.

Steps to be taken in case material is released or spilled:  
Rinse thoroughly with large amounts of water.  
Waste Disposal Method: Dispose of in accordance w/all local, state and disposal regulations.

### Section VIII Special Protection Information

Respirator Protection (specify type):	May use approved self -contained breathing apparatus or equivalent. Or Acid type cartridge type vapor mask.
Ventilation:	Normal airflow
Protective Gloves	Wear latex or neoprene
Eye Protection:	Wear chemical splash glasses.
Other protective equipment:	Not normally required.

### Section IX Special Precautions

Precautions to be taken in handling and storing:	N/A
Other precautions:	Avoid contact with sink and use ventilated areas.
Keep away from Children	