

MATERIAL SAFETY DATA SHEET

Revision Date: 6/4/2002

MSDS No.: N-699

Emergency Phones: 815-385-5000

INFOTRAC 800-535-5053

PLEASE NOTE: This MSDS is being provided to your company for the purpose of providing current health and safety information to your management and for your employees who work with this material. Please read the information on these sheets, and then provide this information to those people at your company whose responsibility it is to comply with FEDERAL and STATE RIGHT-TO-KNOW regulations. Also make this information available to any employee who requests it. It is your obligation to comply with these regulations.

SECTION I - PRODUCT IDENTITY

PRODUCT NAME: DURA LAV

Formula: Mixture, water, detergents, phosphoric acid, additives

Chemical Type: Mineral acid and additives

HMIS RATINGS

Health = 3 (Serious)	Flammability = 0 (Insignificant)
Reactivity = 0 (Minimal)	Protection = C (Safety Glasses, Gloves, Synthetic Apron)

SECTION II - HAZARDOUS INGREDIENTS

	<u>PERCENT</u>	<u>TLV</u>	<u>STEL</u>	<u>CARCINOGEN (OSHA,TP,IARC)</u>
Phosphoric Acid	15%	1 mg/m ³	3 mg/m ³	none
CAS No. 7664-38-2				
Didecyl dimethyl ammonium chloride	1.35%	none	no	
CAS No. 7137-51-5				
n-alkyl(C14-50%,C12-40%,C16-10%) dimethyl benzyl ammonium chloride	0.9%	none	no	
CAS No. 8001-54-5				

SECTION III - CHEMICAL AND PHYSICAL

Appearance: Colorless liquid	Boiling Point: est. >180 ° F.
Odor: mild	Melting Point: N/A
pH: <1	Spec. Gravity (H ₂ O = 1): 1.1
Water Solubility: Complete	Vapor Pressure (mm Hg): N/A
Viscosity, Cp. @ 25°C.: B-D Gardner	VOC Content: none

SECTION IV - FIRE AND EXPLOSION HAZARDS

Flash Point (Method): none	Explosion Limits:	Upper: N/A Lower: N/A
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Extinguishing Media: N/A (product is non-flammable)

Special Firefighting Procedures and Hazards: Avoid skin and eye contact, and breathing of acid vapors. Wear head and body protection and acid respirator if exposure to liquid is likely. Where possible avoid water run-off into streams, lakes, ponds, etc.

SECTION V - REACTIVITY INFORMATION

Stable: Unstable:

Precautions:

Incompatibility: Strong alkalis, materials not resistant to strong acids, active metals (zinc, aluminum, magnesium, etc.), chlorine type bleach.

Hazardous Decomposition Products: Possible phosphorus oxide fumes at fire temperatures. Contact with active metals can release flammable gas.

Hazardous Polymerization: Occurs: Does Not Occur:

SECTION VI - HEALTH HAZARDS - PROTECTIVE MEASURES - FIRST AID

- Inhalation:** Breathing of vapor can cause respiratory irritation and inflammation. If necessary, wear approved acid vapor/ mist respirator if exposure is likely. Remove party to fresh air and give artificial respiration or oxygen if needed. Get medical attention.
- Skin:** Corrosive. Causes irritation and burns. Wear acid resistant protective gloves and other protective attire deemed necessary for handling product. Flush skin with water for 15 minutes. Get medical attention if irritation persists. Remove contaminated clothing and launder before re-use. Discard contaminated shoes.
- Eyes:** Corrosive. Causes eye damage. Wear splash proof goggles or side shield safety glasses . Provide convenient eyewash stations. Flush immediately with water for 15 minutes. Get prompt medical attention.
- Ingestion:** Corrosive. Causes irritation and burning in mouth and throat. Avoid swallowing. If swallowed, drink lots of water or, preferably, milk. Get medical attention if effects persist. Do not induce vomiting.

Most likely routes of entry: Skin, Eyes, Inhalation

Other Important Medical or Precautionary Information: None

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Spills and Leaks: Small spills can be flushed into normal drainage or into ground with copious amounts of water, or taken up with absorbent material. Larger spills should be contained by diking or other methods and held for collection and/or reuse, or for neutralization with alkali before collection and disposal. Personnel should use eye and skin protection. The material is toxic to fish. Do not discharge into lakes, streams, ponds or public waters unless under a NPDES permit.

Storage and Handling: Check daily for any leaks from containers, vessels, pumps, and piping. Have water hoses and alkali (caustic soda, lime, etc.) convenient. Only use containers and equipment designed for acid service. Use a respirator if area is poorly ventilated.

Waste Disposal: If neutralized, may be disposable in sewers if local regulations permit. Otherwise, send to licensed treatment and disposal facility. As supplied, this product is a RCRA hazardous waste. The material is toxic to fish. Do not discharge into lakes, streams, ponds or public waters unless under a NPDES permit.

Empty Containers: Triple rinse before handling and disposal. Do not reuse.

Other Precautions: n/a

SECTION VIII - REGULATORY INFORMATION

Reportable for SARA Title III, S.313 (Form R): Phosphoric acid.

The information herein has been compiled from sources believed to be reliable and is accurate to the best of our knowledge. However, DURA WAX CO. INC. cannot give any guarantees regarding information from other sources, and expressly does not make any warranties, nor assumes any liability, for its use.
