



# DAVIS-HOWLAND OIL CORPORATION

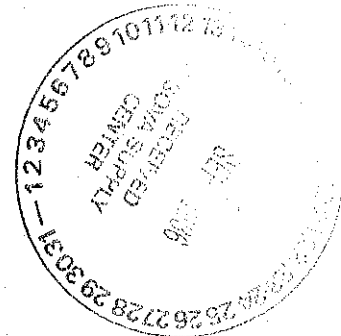
## H & W CHEMICALS

Founded In 1922

Office and Plant  
200 Anderson Avenue  
Rochester, N. Y. 14607  
(716) 473-6651

Compounding Distinctly  
Superior Lubricants  
Distributing Industrial  
Chemicals & Lubricants

9/19/84



Dear

*J. Morris:*

Per your request we have enclosed current Material Safety Data Sheets on the following products:

*DSL ATF Dexron II  
DSL Safety Solvent  
01981 MARpak H.D. 2  
DSL Super Premium 10W30 Deluxe  
DSL Super APGD 80/90  
Lubriplate #630 AA  
Shellzone Antifreeze  
Liquid Wrench #1  
Rando Oil HD 46  
Lubriplate Spray-lube "A"*

*& Degreaser*

If we can be of further assistance, please let us know.

Sincerely,

*M. Wright*

Davis-Howland Oil Corporation

hlf  
Enclosure(s)

**Material Safety Data Sheet**

**U.S. Department of Labor**

Required under USDL Safety and Health Regulations for Shipyard Employment (29 CFR 1915)

Occupational Safety and Health Administration

OMB No. 1218-0074  
Expiration Date 05/31/86

000624

**Section I**

Manufacturer's Name DAVIS HOWLAND OIL CORP. H & W CHEMICALS INC.		Emergency Telephone Number (716) 473-6650
Address (Number, Street, City, State, and ZIP Code) 200 Anderson Avenue		Chemical Name and Synonyms NA
Trade Name and Synonyms DSL Safety Solvent		Chemical Formula Mixture

**Section II - Hazardous Ingredients**

Paints, Preservatives, and Solvents	%	TLV (Units)	Alloys and Metallic Coatings	%	TLV (Units)
Pigments		-	Base Metal		
Catalyst		-	Alloys		
Vehicle		-	Metallic Coatings		
Solvents	100	350 PPM	Filler Metal Plus Coating or Core Flux		
Additives		-	Others		
Others					

**Hazardous Mixtures of Other Liquids, Solids or Gases**

	%	TLV (Units)
None		

**Section III - Physical Data**

Boiling Point (°F)	190	Specific Gravity (H <sub>2</sub> O=1)	1.085 @ 60/60 F
Vapor Pressure (mm Hg.)	13	Percent Volatile by Volume (%)	100%
Vapor Density (AIR=1)	Less than 0.1	Evaporation Rate N-Butyl Acetate	Less than 0.1

Solubility in Water: Negligible

Appearance and Odor: Water white liquid mineral spirits odor

**Section IV - Fire and Explosion Hazard Data**

Flash Point (Method Used) 140 F open cup	Flammable Limits open air	Lel 0.9%	Uel 7%
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Extinguishing Media: Carbon dioxide, dry chemical or foam

Special Fire Fighting Procedures: As appropriate for surrounding fires.

**Unusual Fire and Explosion Hazards**

Flammable at elevated temperatures and pressures. Vapors decomposed in open flame to

**Section V - Health Hazard Data**

Threshold Limit Value

100 PPM TWA (8hr) 200PPm Ceiling

Effects of Overexposure

Eyes: Slightly irritating and lachramatory. Skin: Continued exposure could cause a dermatitis. Inhalation: Loss of equilibrium-consciousness. High concentration could be fatal

Emergency First Aid Procedures

Eyes: Flush with water for at least 15 minutes. Skin: Remove contaminated clothing, wash with soap & water. Inhalation: Remove to fresh air. If necessary administer oxygen. If breathing stopped administer CPR.

**Section VI - Reactivity Data**

Stability	Unstable	Conditions to Avoid
	Stable X	Avoid contact with open flame, electric arcs or other hot surfaces which can cause thermal decomposition.

Incompatibility (Materials to Avoid)

Strong oxidizers, barium, lithium.

Hazardous Decomposition Products

Hydrogen chloride, phosgene.

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

Soak up spill in absorbant materials or contain spill and pump into drums for disposal. Wash down area with water.

Waste Disposal Method

Submit to contract service for disposal or consult pollution control authority.

**Section VIII - Special Protection Information**

Respiratory Protection (Specify Type)

Organic vapor - acid gas type.

Ventilation	Local Exhaust	Special
	General room ventilation	
	Mechanical (General)	Other
	Exhaust at point of fume emission	

Protective Gloves

Neoprene polyvinyl alcohol type.

Eye Protection

Chemical safety goggles and face shield

Other Protective Equipment

Neoprene safety shoes-neoprene or PVC suits or aprons-Hard hats.

**Section IX - Special Precautions**

Precautions to be Taken in Handling and Storing

Avoid physical damage to drums; store in ventilated areas, not in pits or basements, out of sun and away from fire hazard.

Other Precautions

Keep away from strong alkalies and oxidizers. This is a mixture of ingredients some of which are combustible. It is essential that container be kept closed so that non combustible ingredients not vaporize and leave combustible ingredients.