



5353 Spring Grove Avenue, Cincinnati, OH 45217 USA 513-471-8770

## Material Safety Data Sheet

### Section 1 - Product Identification

Product Name: Blue Chip Durasol MS Soluble Oil Cutting and Grinding Fluid

#### Hazard Rating

	Health	Fire	Reactivity	
Code:	1	1	0	
0=Least	1=Slight	2=Moderate	3=High	4=Extreme

### Section 2 - Hazardous Ingredients / Identity Information

Specific Identity; Common Names	OSHA PEL	ACGIH TLV	Other
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Proprietary Formula - Specific Chemical Identities Have Been Withheld

111-46-6 Diethylene glycol	-	-
39464-69-2 Polyoxyethylene Oleyl Ether Phosphate	-	-
64742-52-5 Severely hydrotreated heavy naphthenic distillates Mineral Oil	5mg/m3 (mist)	5mg/m3 (mist)
68551-13-3 Alcohols, C12-15, Ethoxyl	-	-
9036-19-5 Glycols, polyethylene, mono((1,1,3,3-tetramethyl- butyl)phenyl) ether	-	-

### Section 3 - Physical/Chemical Characteristics

Appearance	Amber liquid
Boiling Point, Deg. F	Not Known
Evaporation, BuAcetate=1	Slower than
Odor	Mild
pH Diluted in water	~9.2 (5%)
Solubility in water	Emulsifies
Vapor Density (Air=1)	Not Known
Vapor Pressure	Not Known
Pounds per Gallon	8.103
Specific Gravity	0.973

### Section 4 - Fire and Explosion Hazard Data

Flash Point COC: >350F      Flammable Limits: LEL-Not Known      UEL-Not Known

Extinguishing Media: Foam, dry chemical, water fog, carbon dioxide. Do not use a direct stream of water.

Special Fire Fighting Procedures: Cool fire exposed containers with water. Do not enter a confined fire space without full bunker gear and NIOSH approved supplied air breathing apparatus.

Unusual Fire and Explosion Hazards: Not Applicable

### Section 5 - Reactivity Data

Stability - Stable.

Incompatibility - Strong acids. Acrylates. Aldehydes. Strong bases. Ketones. Organic

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anhydrides. Organic halides. Oxidizing agents.  
Hazardous Decomposition Products - Alcohols. Aldehydes. Ammonia. Ethers.  
Formaldehyde. Iodine vapors. Oxides of carbon. Oxides of nitrogen. Oxidizing agents.  
Hazardous Polymerization - Will not occur.  
Other -  
This product contains amines. Do not mix with nitrite or other nitrosating agents due to the potential for nitrosamine formation.

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### Section 6 - Health Hazard Data

Routes of Entry: Inhalation-yes      Skin-yes      Ingestion-yes

Health Hazards :

The health hazards listed below are for components to this mixture. The active ingredients are diluted in mineral oil in this mixture and the severity of the listed health hazards for this product may be reduced. This product is designed to be diluted significantly with water before product use. The severity of these health hazards may be reduced further at usage concentrations. (Acute and Chronic Overexposure)

Eyes - Severe irritation. Prolonged contact may cause burns. Redness. Stinging. Swelling. Watering.

Skin - Severe irritation. Itching. Overexposure has been found to cause sensitization in humans. Prolonged contact may cause burns. Redness. Prolonged and repeated contact can defat the skin which may result in dryness, dermatitis, and cracking of the skin.

Inhalation - Heated vapors may cause irritation.

Ingestion - Central nervous system depression. Diarrhea. Severe gastrointestinal irritation. Nausea. Stomach discomfort. Vomiting.  
Pulmonary aspiration hazard if swallowed and vomiting occurs.

Signs And Symptoms of Exposure -

Irritation as noted above. Early to moderate CNS (central nervous system) depression may be evidenced by giddiness, headache, dizziness and nausea; in extreme cases, unconsciousness and death may occur.

Medical Conditions Generally Aggravated By Exposure -

Preexisting eye, skin and respiratory conditions may be aggravated by exposure. Impaired kidney, liver, and CNS functions from preexisting disorders may be aggravated by exposure.

Other Precautions - NA

Other - Repeated exposures may cause liver and kidney injury.

Carcinogenicity    NTP-No      IARC-No      OSHA-No

Emergency and First Aid Procedures:

Inhalation - remove to fresh air. If breathing is difficult, give oxygen. If breathing is stopped, begin artificial respiration. Get medical attention.

Skin contact - wash skin thoroughly with soap and water. Remove and wash contaminated clothing before reuse. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection

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may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of the injury.

Eye contact - flush with water for at least 15 minutes or until irritation subsides, get medical attention.

Ingestion - DO NOT induce vomiting; get medical attention immediately.

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### Section 7 - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:

Dike area. Recover free product. Add a dry absorbent material to spill area.

Waste Disposal Method: Dispose by methods consistent with local state and federal regulations.

Precautions to be Taken in Handling and Storing: Keep containers tightly closed. Use and store this product with adequate ventilation. Avoid inhalation of vapors and personal contact with the product. To dissipate static electricity during transfer, ground and/or bond both containers. Since emptied containers retain product residue, follow warnings even after container is emptied. Residue or vapors may ignite; do not cut, drill, grind or weld on or near container even when empty.

Other Precautions:  
Not Applicable

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### Section 8 - Control Measures

Respiratory Protection: Not normally required. Use NIOSH approved supplied air breathing equipment if vapors are excessive.

Ventilation: Local Exhaust : Not normally required.  
Mechanical (General): Use general ventilation.

Protective Gloves: Use chemical-resistant gloves, if needed, to avoid skin contact.

Eye Protection: Use splash goggles or face shield when eye contact may occur.

Other Protective Clothing or Equipment: To prevent repeated or prolonged skin contact, wear impervious apron/clothing and boots.

Work/Hygienic Practices: Minimize breathing vapor, mist or fumes. Wash skin with soap and water after contact. Launder contaminated clothing.

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### Section 9 - Regulatory Information

DOT Information

DOT Proper Shipping Name: None

DOT Hazard Code: None

UN Number: None

TSCA

All components of this product are included in the TSCA inventory or are regulated under FIFRA.

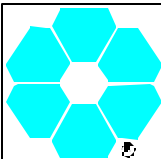
Section 313 Supplier Notification

This product contains the following chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372):

CAS#	Common Name	Weight%
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**COOLANT  
CONTROL**

Product Code: BCDURASOLMS

Revision Date: 04/11/2008

Revised By: MSDS Dept.

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This information should be included in all MSDSs that are copied and distributed for this material.

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Prepared according to the OSHA Hazard Communication Standard  
(29 CFR 1910.1200) by Coolant Control Inc.

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**End of MSDS**

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