MATERIAL SAFETY DATA SHEET

1823 WB RETARDER

==== SECTION I

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DATE PREPARED: NOVEMBER 7, 1995
PREPARED BY: MARTIN SCHULE

==== SECTION 2 – HAZARDOUS INGREDIENTS/IDENTITY

<table>
<thead>
<tr>
<th>HAZARDOUS COMPONENTS</th>
<th>CAS #</th>
<th>OSHA-PEL</th>
<th>ACGIH-TLV</th>
<th>MFR-TLV</th>
<th>mm Hg @ Temp</th>
<th>%</th>
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</thead>
<tbody>
<tr>
<td>Dipropylene Glycol</td>
<td>025265-718</td>
<td>N/A</td>
<td>100</td>
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</table>

+++NO TOXIC CHEMICALS (S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III AND OF 40 CFR 372 ARE PRESENT +++

==== SECTION 3 – PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point: 450 Deg F
Specific Gravity (H2O=1): 1.0
Evaporation Rate: SLOWER THAN ETHER
Vapor Density (Air = 1): LIGHTER THAN AIR
Solubility in Water: SOLUBLE.
Appearance & Odor: CLEAR LIQUID, PRACTICALLY NO ODOR.

==== SECTION 4 – FIRE & EXPLOSION HAZARD DATA

Flash Point: 280 Deg F
Method Used: TOC
Flammable Limits in Air % by Volume - LEL - 1.3%, UEL - 8.5%
Extinguisher Media: FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG.

Special Fire Fighting Procedures:
WEAR SELF-CONTAINED BREATHING APPARATUS & PROTECTIVE CLOTHING TO PROTECT AGAINST HAZARDOUS EFFECTS OF NORMAL COMBUSTION & OXYGEN DEFICIENCY.

Unusual Fire & Explosion Hazards: NO AVAILABLE INFORMATION

HMIS RATING

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>FLAMMABILITY</th>
<th>REACTIVITY</th>
<th>PERSONAL PROTECTION</th>
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<tr>
<td>1</td>
<td>0</td>
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</table>
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===== SECTION 5 – PHYSICAL HAZARDS (REACTIVITY DATA) =====

Stability:
STABLE UNDER NORMAL STORAGE CONDITIONS

Incompatibility (Materials to Avoid):
AVOID STRONG OXIDIZERS.

Hazardous Decomposition Products:
ALDEHYDES & ACIDS

Hazardous Polymerization:
WILL NOT OCCUR

===== SECTION 6 – HEALTH HAZARD =====

Acute/Chronic: BASED ON AVAILABLE DATA, REPEATED EXPOSURES ARE NOT ANTICIPATED TO CAUSE ANY SIGNIFICANT ADVERSE EFFECTS.

Signs & Symptoms of Exposure:

Inhalation: VAPORS ARE UNLIKELY DUE TO PHYSICAL PROPERTIES.

Ingestion: THE ORAL LD50 FOR RATS IS 14.8 g/kg. NO HAZARDS ANTICIPATED FROM INGESTION INCIDENTAL TO INDUSTRIAL EXPOSURE. TOXICITY FOR SINGLE ORAL DOSE IS LOW.

Skin Absorption: A SINGLE PROLONGED EXPOSURE IS NOT LIKELY TO RESULT IN THE MATERIAL BEING ABSORBED THROUGH THE SKIN IN HARMFUL AMOUNTS. THE LD50 FOR SKIN ABSORPTION IN RABBITS IS >5 g/kg.

Skin & Eye Contact: ESSENTIALLY NON-IRRITATING TO EYES & SKIN.

Medical Conditions Generally Aggravated by Exposure: NONE.


Emergency & First Aid Procedures:
1. Eye Contact: IMMEDIATELY FLUSH EYES W/WATER FOR AT LEAST 15 MINUTES.
2. Skin Contact: WASH SKIN THOROUGHLY W/MILD SOAP & WATER.
3. Inhalation: IF THERE ARE ACUTE OR CHRONIC SYMPTOMS, MOVE PERSON TO FRESH AIR, GIVE ARTIFICIAL RESPIRATION IF NECESSARY, SEEK MEDICAL ATTENTION.
4. Ingestion: INDUCE VOMITING IF LARGE AMOUNTS ARE INGESTED; SEEK MEDICAL ATTENTION.

===== SECTION 7 – SPECIAL PRECAUTIONS & SPILL/LEAK PROCEDURES =====

Precautions to be taken AVOID EXCESSIVE SKIN CONTACT & EYE EXPOSURE.
In Handling & Storage:
In case Material is Released or Spilled: ELIMINATE OPEN FLAMES & IGNITION IN THE VICINITY OF VAPORS Released or Spilled: STOP SOURCE OF LEAK. ABSORB LARGE SPILLS W/ABSORBENT CLAY OR OTHER SUITABLE MATERIALS.

Waste Disposal Methods: PLACE CONTAMINATED MATERIALS IN DISPOSABLE CONTAINERS INCINERATE OBSERVING LOCAL, STATE, & FEDERAL HEALTH, SAFETY & POLLUTION LAWS.

===== SECTION 8 – SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Respiratory Protection: CONSULT SUPPLIER FOR AN APPROVED AIR-PURIFYING RESPIRATOR.

Ventilation: GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT FOR MOST CONDITIONS.

Protective Gloves: USE IMPERVIOUS GLOVES WHEN PROLONGED OR FREQUENTLY REPEATED CONTACT OCCURS.

Eye Protection: USE SAFETY GOGGLES.

Other Protective Clothing or Equipment: SOLVENT RESISTANT APRONS, EYEWASH FOUNTAINS, SAFETY SHOWERS ARE RECOMMENDED.

Work/Hygienic Practices: LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

===== SECTION 10 – DISCLAIMER

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