1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: P-80® Rubber Lubricant Emulsion
CHEMICAL FAMILY: Synthetic Esters/Water
CHEMICAL NAME: Liquid Emulsion
ISSUE DATE OF MSDS: April 17, 2012

MANUFACTURER:
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Contains a mixture of synthetic esters and water. Specific ingredients are withheld as trade secrets.

While this material is not considered hazardous under OSHA, WHMIS, or CHIPS, this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of the product.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
White to light beige emulsion with a mild, non-offensive odor. Nonflammable water-based product. NFPA rating of zero. No immediate hazards associated with the product.

POTENTIAL HEALTH EFFECTS

EYE CONTACT: No hazard in normal industrial use.
SKIN CONTACT: No hazard in normal industrial use.
INHALATION: No hazard in normal industrial use.
INGESTION: No hazard in normal industrial use.

Carcinogenicity:
NTP: No ingredients are listed.
IARC: No ingredients are listed.
OSHA: No ingredients are listed.

Potential Environmental Effects: None known.

4. FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with plenty of water. Get medical attention if irritation develops or persists.
SKIN CONTACT: Remove contaminated clothing. Wash skin with soap and water. Get medical attention if irritation develops or persists.
INHALATION: No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of fumes, remove to fresh air and get medical attention if cough or other symptoms develop.
INGESTION: No specific treatment is necessary since this material is unlikely to be hazardous by ingestion. Call physician if pain or discomfort develops.

5. FIRE FIGHTING MEASURES

Nonflammable aqueous lubricant.
FLASH POINT: None.
LFL: Not applicable.
UFL: Not applicable.

EXTINGUISHING MEDIA: Use alcohol foam, carbon dioxide, or water spray to extinguish flames.

FIRE FIGHTING INSTRUCTION: As in any fire, wear self-contained breathing apparatus, pressure-demand MSHA/NOSH (approved or equivalent) and full protective gear. Water runoff may cause environmental damage. Dike and collect water used to fight fire.

6. ACCIDENTAL RELEASE MEASURES

Clean up spills immediately, observing precautions in Section 8 Personal Protection. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container.

7. HANDLING AND STORAGE

HANDLING: Avoid contact with eyes, skin and clothing.
STORAGE: Store in a cool place in original container and protect from sunlight. Keep container closed when not in use to prevent bacteria contamination. Mix before use.

SHELF LIFE: One year from date of manufacture when stored in original sealed container at recommended storage temperature range.

STORAGE TEMPERATURE: 2 – 30°C (36 – 86°F)
8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

ENGINEERING CONTROLS..............No special ventilation requirements.
RESPIRATORY PROTECTION.............For most situations, no respiratory protection should be needed.
SKIN PROTECTION......................Wear nitrile or neoprene gloves.
EYE PROTECTION.......................Wear safety glasses with side shields (or goggles). Contact lenses should not be worn.

GENERAL HYGIENE CONSIDERATIONS........There are no known health hazards associated with this material when used as recommended. The following general hygiene considerations are recognized as common, good industrial hygiene practices:
• Wash hands after use and before eating.
• Avoid breathing vapors.
• Wear safety glasses and gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE............................White to light beige emulsion.
ODOR....................................Mild, non-offensive odor.
pH (neat).................................8.5 (typical)
BOILING POINT..........................ca. 100°C (212°F)
FREEZING POINT.......................ca. 0°C (32°F)
SOLUBILITY IN WATER..................Disperses
SPECIFIC GRAVITY (water = 1)........0.98 @ 25°C
VISCOSITY, 25°C..........................ca. 115 cps (Brookfield #2 Spindle, 100 RPM)

10. STABILITY AND REACTIVITY

STABILITY..............................Stable emulsion.
HAZARDOUS POLYMERIZATION.........Will not occur.
INCOMPATIBILITIES....................Avoid contact with polycarbonate, acrylic, and polyethylene ether (Noryl) as P-80 may cause these plastics to craze over time.

11. TOXICOLOGICAL INFORMATION

Eye: Not an irritant per USA-FHSA criteria.
Not an irritant per OECD Guideline No. 405.
Skin: Not an irritant per USA-FHSA criteria.
Not an irritant per OECD Guideline No. 404.
Oral: LD50 is greater than 5g/kg (rats).

12. ECOLOGICAL INFORMATION

Contains no CFCs, phosphates, silicates, borates, halogens, or phenols. According to suppliers’ MSDS, all P-80 ingredients are biodegradable.

13. DISPOSAL CONSIDERATIONS

P-80® Rubber Lubricant Emulsion is not considered a hazardous waste under Federal Hazardous Waste Regulations 40 CFR 261. Please be advised, however, that state and local requirements for waste disposal may be more restrictive or otherwise different from federal regulations. Consult state and local regulations regarding the proper disposal of this material.
(Note: Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate.)

14. TRANSPORTATION INFORMATION

A. USA
D.O.T. SHIPPING.......................Not regulated.
TECHNICAL SHIPPING NAME.........Rubber Lubricant Emulsion.
D.O.T. LABEL..........................None.
D.O.T. PLACARD.......................None.
FREIGHT CLASS PACKAGE..............Class 65 — Rubber Lubricant.
PRODUCT LABEL......................Rubber Lubricant Emulsion.
B. CANADA: TDG.......................Not regulated.
C. ENGLAND: APPROVED...........Not regulated.
CARRIAGE LIST

15. REGULATORY INFORMATION

A. USA
TSCA STATUS.........................All ingredients are listed on the TSCA inventory.
SARA TITLE III, 302/303 EHS........None.
SARA TITLE III, 304, HS.............None.
SARA TITLE III, 313..................None.
B. CANADA
DSL.................................All ingredients are listed on the Domestic Substance List.
WHMIS Classification..............Not controlled.
C. EC
EINECS..............................All ingredients are listed.
RoHS Directive......................P-80 Emulsion does not contain any ingredients listed in 2002/95/EC.
D. CHIPS..............................Not classified.

16. STATE REGULATORY INFORMATION

For details on specific requirements, you should contact the appropriate agency in your state.

17. OTHER INFORMATION

PREPARED BY ..................K. Wyrofsky, President
APPROVED BY ..................T. McGuckin, V.P. of Research, Quality & Safety
APPROVAL DATE ...............April 17, 2012

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