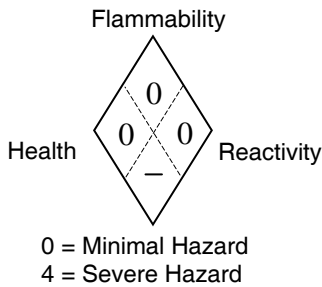


NFPA



MATERIAL SAFETY DATA SHEET* (MSDS)

Ladd Research, 83 Holly Court, Williston, VT 05495
Tel: (802) 658-4961 Fax: (802) 660-8859

P-80® THIX

RUBBER LUBRICANT GEL Temporary Lubricating Agent

HMIS

Health – 1
Flammability – 0
Reactivity – 0
Personal Protection – B

0 = Minimal Hazard
4 = Severe Hazard
B = Safety Glasses & Gloves

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME P-80® THIX Rubber Lubricant Gel
CHEMICAL FAMILY Synthetic Esters/Water
CHEMICAL NAME Thixotropic Emulsion
ISSUE DATE OF MSDS 9/2011

MANUFACTURER:

International Products Corporation
201 Connecticut Drive
Burlington, NJ 08016, USA

Tel: (609) 386-8770
Fax: (609) 386-8438
E-mail: mkt@ipcol.com

UK BRANCH:

Unit 5, Green Lane Bus. Park
238 Green Lane
London, SE9 3TL, United Kingdom
Tel: 020 – 8857-5678
Fax: 020 – 8857-1313
E-mail: saleseurope@ipcol.com

EMERGENCY TELEPHONES:

Transportation:
CHEMTREC
(800) 424-9300
(Calls within USA & Canada)
(703) 527-3887
(Calls from outside the USA)

Non-transportation:
Tel: (609) 386-8770
Fax: (609) 386-8438

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.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Contains a mixture of synthetic esters and water. Specific ingredients are withheld as trade secrets. Contains no hazardous ingredients in concentrations greater than 1%.

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 gel 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.

CHRONIC EFFECTS Not determined.

TARGET ORGANS Not determined.

POTENTIAL ENVIRONMENTAL EFFECTS

None known.

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/NIOSH (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 chemical-resistant gloves.

EYE PROTECTION Wear safety glasses with sideshields (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.

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EXPOSURE LIMITS Not established for product as whole.

Ingredients	CAS #	ACGIH
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None established for individual components.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE White to light beige gel.

ODOR Mild, non-offensive odor.

pH (neat) ca. 8.2

BOILING POINT ca. 100°C (212°F)

FREEZING POINT ca. 0°C (32°F)

SOLUBILITY IN WATER Disperses

SPECIFIC GRAVITY (water = 1) ca. 0.92 @ 25°C

VISCOSITY, 25°C ca. 7,500 cps
(Brookfield #5 Spindle, 20 RPM)

10. STABILITY AND REACTIVITY

STABILITY Stable thixotropic emulsion.

HAZARDOUS POLYMERIZATION Will not occur.

INCOMPATIBILITIES Avoid contact with polycarbonate, acrylic, and polyphenylene oxide (Noryl) as P-80 THIX may cause these plastics to craze over time.

DECOMPOSITION PRODUCTS Not determined.

11. TOXICOLOGICAL INFORMATION

Eye: Not an irritant per WHMIS (Canada) and CHIPS (United Kingdom). OECD Guideline #405.

Skin: Not an irritant per WHMIS (Canada) and CHIPS (United Kingdom). OECD Guideline #404.

Oral: LD₅₀ >2000 mg/kg (rats) per OECD Guideline #401.

12. ECOLOGICAL INFORMATION

Contains no CFCs, phosphates, silicates, borates, halogens, or phenols.

13. DISPOSAL CONSIDERATIONS

P-80® THIX Rubber Lubricant Gel 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 Gel.

D.O.T. LABEL None.

D.O.T. PLACARD None.

FREIGHT CLASS PACKAGE Class 65 — Rubber Lubricant.

PRODUCT LABEL Rubber Lubricant Gel.

B. CANADA: TDG Not regulated.

C. ENGLAND: APPROVED

CARRIAGE LIST Not regulated.

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® THIX 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,
Vice President of Quality & Safety

APPROVAL DATE December 15, 2007

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