

Approved: April 17, 2012

NFPA

Flammability

Health Reactivity

0 = Minimal Hazard
4 = Severe Hazard

MATERIAL SAFETY DATA SHEET* (MSDS)
International Products Corporation

P-80® THIX IFC
RUBBER LUBRICANT GEL
Incidental Food Contact (IFC) Formula
Temporary Lubricating Agent

HMIS

Health – 1
Flammability – 0
Physical Hazards – 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
Incidental Food Contact (IFC) Formula

CHEMICAL FAMILY.....Synthetic Esters/Water

CHEMICAL NAME.....Thixotropic Gel

ISSUE DATE OF MSDS.....April 17, 2012

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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. 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. All ingredients are referenced in 21 CFR 178.3570, "Lubricants with incidental food contact."

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.

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.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

White to light beige gel with a mild, non-offensive odor. Non-flammable water-based product. NFPA rating of zero. No immediate hazards associated with the product.

POTENTIAL HEALTH EFFECTS

EYE CONTACT.....Prolonged or repeated contact may cause irritation.

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.

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)

*ANSI Z400.1-1998 format

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

ENGINEERING CONTROLS.....No special ventilation requirements.

RESPIRATORY PROTECTIONFor most situations, no respiratory protection should be needed.

SKIN PROTECTIONWear chemical-resistant gloves.

EYE PROTECTIONWear safety glasses with side shields (or goggles). Contact lenses should not be worn.

GENERAL HYGIENE CONSIDERATIONSThere 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 LIMITSNot 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. 8.6

BOILING POINT..... ca. 100°C (212°F)

FREEZING POINT..... ca. -8°C (18°F)

SOLUBILITY IN WATER..... Disperses

SPECIFIC GRAVITY (water = 1) ca. 0.96 @ 25°C

VISCOSITY, 25°C ca. 11,000 cps
(Brookfield #5 Spindle, 20 RPM)

10. STABILITY AND REACTIVITY

STABILITY Stable thixotropic gel.

HAZARDOUS POLYMERIZATION..... Will not occur.

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

DECOMPOSITION PRODUCTS Not determined.

11. TOXICOLOGICAL INFORMATION

Eye: Not an ocular irritant per 16 CFR 1500.42.
Skin: Not an irritant per 16 CFR 1500.41.
Oral: Non-toxic per 16 CFR 1500.3. LD₅₀ is greater than 5g/kg (rats).

12. ECOLOGICAL INFORMATION

Ecotoxicity has not been determined.
Contains no CFCs, phosphates, silicates, borates, halogens, or phenols. According to suppliers' MSDS, all P-80 THIX IFC ingredients are biodegradable.

13. DISPOSAL CONSIDERATIONS

P-80® THIX IFC 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.
FDA Meets 21 CFR 178.3570.

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 IFC does not contain any ingredients listed in 2002/95/EC.
REACH Directive..... All ingredients comply with EC 1907/2006.

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 BYK. Wyrofsky,
President
APPROVED BYT. McGuckin,
V.P. of Research, Quality & Safety
APPROVAL DATEApril 17, 2012

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