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P.O. BOX 1018, RESACA GA 30735
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MATERIAL SAFETY DATA SHEET

Product Trade Name: **PROGEL-4.5**

Revision Date: December 7, 2010

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Trade Name: PROGEL-4.5 slurry
Synonyms: None
Chemical Family: Petroleum hydrocarbon oil.
Application: Viscosifier for water

Manufacturer / Supplier: International Polymerics, Inc.
P.O. Box 1018
Resaca, GA 30735
706-428-0884

Prepared By: International Polymerics, Inc.
706-428-0884

2. Hazardous Ingredients

| Haz Ingredient | Cas Number | PERCENT | OSHA PEL-TWA |
|----------------|------------|---------|----------------|
| Hydrocarbons | 64742-96-7 | 40-70% | Not Applicable |

3. PHYSICAL DATA

APPEARANCE:.....Oily slurry Tan.
ORDOR:.....Kerosene-Like
BOILING POINT:.....>420(F)
FLASHPOINT:.....Closed cup: >200(F)
VAPOR DENSITY (AIR=1):.....>14
SPECIFIC GRAVITY (WATER=1):.....1.02
pH (1% SOLN/WATER):.....6 to 8
SOLUBILITY.....Easily soluble in n-octanol
Viscosifies Water.
WT:.....9.1 # per gallon

4. FIRE AND EXPLOSION DATA

FLASHPOINT:.....Closed cup: >200(F)

FIRE FIGHTING PROCEDURES:.....**SMALL FIRE:** Use dry chemical powder.

LARGE FIRE: Use water spray ,fog or foam. **DO NOT** use water jet.

5.REACTIVITY DATA

STABILITY:.....This product is stable.

6A.HEALTH HAZARD DATA

ROUTE OF ENTRY:.....Ingestion, Eye contact, Inhalation.

ACUTE EFFECT ON HUMANS:.....Hazardous in case of ingestion, of inhalation.

Slightly hazardous in case of skin contact (irritant).

6B. FIRST AID

INHALATION:.....Allow victim to rest in a well ventilated area. Seek immediate medical attention

INGESTION:.....Practically non-toxic, LD50>15g/Kg. Seek medical attention if ingested; Induction of vomiting not required.

EYE CONTACT:.....Check for and remove any contact lenses. Flush with running water for at Least 15 minutes. Do not use an eye ointment. Seek medical attention.

SKIN CONTACT:.....After contact with skin, wash immediately with plenty of water .Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin.Cover the irritated skin with an emollient.If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

7. SPILL,STORAGE AND DISPOSAL DATA

SPILL:.....**SMALL SPILL:** Absorb with an inert material and put the spilled material in an appropriate waste disposal.

LARGE SPILL: Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Wetted product will be very slippery.

WASTE DISPOSAL:.....Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations.Dispose of container and unused contents in accordance with federal , state and local requirements.

HANDLING:.....Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material .DO NOT ingest. Do not breathe gas fumes ,vapor or spray in case of insufficient ventilation, wear suitable respiratory equipment. If ingested seek medical advice.

8. TRANSPORT INFORMATION

LAND TRANSPORT

DOT: Not Restricted

DOT (BULK): Not restricted in accordance with the terms and conditions of 49 CFR 173.120(b)(3)

Canadian TDG: Not Restricted

Health and safety data Sheet

1. Product Identification

Commercial /Trade Name: **PROGEL – 4.5**

2. Hazardous ingredients

| Name | CAS# | TWA (ppm) | STEL (ppm) | CEIL (ppm) | % by Weight |
|------|------|-----------|------------|------------|-------------|
|------|------|-----------|------------|------------|-------------|

Refined Heavy Paraffinic Petroleum Oil 64742-96-7

50% - 60%

3. Protective Clothing

HMIS

| | | |
|-----------------------|---------------------|---|
| SafetyGlasses/Goggles | HEALTH | 1 |
| Gloves | FLAMMABILITY | 1 |
| Apron | REACTIVITY | 0 |
| Vapor Respirator | PERSONAL PROTECTION | H |

4. Fire Risk and Reactivity Data

Fire extinguishing Procedures: **SMALL FIRE:** Use DRY chemical powder
LARGE FIRE: Use water spray, fog or foam
Do not use water jet.

Flammability: No additional comments

Corrosivity: Not expected to be corrosive

5. Remarks

Precautions : Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe gas/fumes, vapor/spray. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Keep away from incompatibles such as oxidizing agents.

First Aid:

Skin: after contact with skin wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient, if irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Eyes: Check for and remove any contact lenses. Flush with running water for at least 15 minutes. Do not use an eye ointment. Seek medical attention.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Ingestion: Practically non-toxic; LD50> 15g/kg. Seek medical attention if ingested: induction of vomiting not required.

STORAGE: Keep container dry. Keep in a cool, well ventilated place. Ground all equipment containing material. Keep container tightly closed. Combustibles should be stored away from extreme heat and away from strong oxidizing agents. Avoid contaminating product with water.

1. OTHER INFORMATION

The following sections have been revised since the last issue of this MSDS.

Not applicable

Additional Information:

For additional information on the use of this product, contact your International Polymerics, Inc. representative.

For questions about the Material Safety Data Sheet for this or other International Polymerics, Inc. products, contact Chemical Compliance at 706-428-0884.

Disclaimer Statement:

This information is furnished without warranty, expressed or implied, as to accuracy or completeness. The information is obtained from various sources including the manufacturer and other third party sources. The information may not be valid under all conditions or if this material is used in combination with other materials or in any process. Final determination of suitability of any material is the sole responsibility of the user.

****END OF MSDS****

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