1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION

PRODUCT: WHITE MINERAL OIL KF-700
TRADE NAMES / SYNONYMS: Liquid Paraffin, White Mineral Oil
CHEMICAL FAMILY / DESCRIPTION: Petroleum Hydrocarbons, Aliphatic
COMPANY: SEOJIN CHEMICAL CO., LTD.
ADDRESS: 491-1, Yongyun-Dong, Nam-GU, Ulsan, Korea
TELEPHONE: +82-52-712-0482
FAX: +82-52-257-0486
CREATION DATE: Jan 06 1989
REVISION DATE: Nov 01 2007

2. COMPOSITION / INFORMATION OF INGREDIENTS

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>WT%</th>
<th>CAS No.</th>
<th>EINECS No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liquid Saturated Hydrocarbons</td>
<td>100</td>
<td>64742-54-7</td>
<td>265-157-1</td>
</tr>
</tbody>
</table>

A complex combination of hydrocarbons obtained by severe hydrotreating of light paraffinic distillates from fuels hydrcracker bottoms.
This product is not formulated to contain ingredients which have exposure limits established by regulatory agencies. It is not hazardous to health as defined by the European Union Dangerous Substances/Preparations Directives.

3. HAZARDS IDENTIFICATION

NFPA RATINGS (SCALE 0-4): HEALTH=0  FIRE=1  REACTIVITY=0
EC CLASSIFICATION (CALCULATED): No classification assigned.
EMERGENCY OVERVIEW:
COLOR: Colorless
ODOR: Odorless

MAJOR HEALTH HAZARDS: No classificant target affects reported.
POTENTIAL HEALTH EFFECTS:
INHALATION:
SHORT TERM EXPOSURE: Mild irritation.
LONG TERM EXPOSURE: No information on significant adverse effects

SKIN CONTACT:
SHORT TERM EXPOSURE: No information is available.
LONG TERM EXPOSURE: Mild skin disorders.

EYE CONTACT:
SHORT TERM EXPOSURE: Mild irritation
LONG TERM EXPOSURE: No information is available

INGESTION:
SHORT TERM EXPOSURE: Insignificant digestive disorders
LONG TERM EXPOSURE: No information on significant adverse effects
CARCINOGEN STATUS:
OSHA: N
NTP: N
IARC: Y

4. FIRST AID
EYE CONTACT: No first aid procedures are required. However, as a precaution flush eyes with fresh water. If irritation occurs, call a physician.
SKIN CONTACT: No first aid procedures are required. As a precaution, wash skin thoroughly with soap and water. Remove and wash contaminated clothing.
INHALATION: Since this material is not expected to be an immediate inhalation problem, no first aid procedure are required.
INGESTION: Not expected to be a problem when ingested. If uncomfortable seek medical assistance.

5. FIRE-FIGHTING MEASURES
EXTINGUISHING MEDIA: Foam, Water Fog, CO2, Dry Chemical, Sand
FIRE FIGHTING PROCEDURES: Use foam and water spray carefully to prevent excessive frothing.
Use water to keep fire-exposed containers cool. Water spray may be used to flush spills away from exposure.
FIRE FIGHTING INSTRUCTIONS: For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of normal products of combustion or oxygen deficiency.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Slight when exposed to heat or flame; can react with oxidizing materials.
COMBUSTION PRODUCTS: Normal combustion forms carbon dioxide and water vapor, incomplete combustion can produce smoke and carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES
PERSONAL PRECAUTIONS: See Section 8.
ENVIRONMENTAL PRECAUTIONS: Prevent spills from entering storm sewers or drains and contact with soil.
WASTE DISPOSAL: Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. Contact local environmental or health authorities for approved disposal of this material.

7. HANDLING AND STORAGE

HANDLING: No special precautions are necessary beyond normal good hygiene practices, but it should be handled in suitable containers and spillage avoided.

STORAGE: Do not store in open or unlabelled containers. Store away from strong oxidizing agents or combustible material.

LOAD/UNLOAD TEMPERATURE, °C: Ambient

STORAGE TEMPERATURE, °C: Ambient

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE LIMIT: TLV/TWA 5mg/m3 mist, TLV/STEL 10mg/m3 mist

VENTILATION: No special requirements under ordinary conditions of use and with adequate ventilation.

RESPIRATORY PROTECTION: No special respiratory protection is normally required.

EYE PROTECTION: Normal industrial eye protection practices should be employed.

SKIN PROTECTION: No special equipment required. However, good personal hygiene practices should always be followed.

9. PHYSICAL AND CHEMICAL PROPERTIES

- PHYSICAL STATE: Liquid
- COLOR: Colorless
- TEXTURE: Oily
- ODOR: Odorless
- FREEZING POINT: Not available
- VAPOR PRESSURE: <1 mmHg @ 21 C
- VAPOR DENSITY: Not available
- SPECIFIC GRAVITY (water=1) 15/4C: 0.869
- FLASH POINT: >280C (COC)
- WATER SOLUBILITY: Insoluble
- PH: Not available
- VOLATILITY: none
- ODOR THRESHOLD: Not available
- EVAPORATION RATE: Not available
- COEFFICIENT OF WATER/OIL DISTRIBUTION: Not available
- SOLVENT SOLUBILITY:
  - Soluble: Hydrocarbons
10. STABILITY AND REACTIVITY
STABILITY (THERMAL, LIGHT ETC.) : Stable
CONDITIONS TO AVOID : Extreme heat
INCOMPATIBILITY (MATERIALS TO AVOID) : Strong oxidizers
HAZARDOUS DECOMPOSITION PRODUCTS : Carbon monoxide
HAZARDOUS POLYMERIZATION : Will not occur.

11. TOXICOLOGICAL INFORMATION
ACUTE TOXICOLOGY ORAL TOXICITY (RATS) : LD50 : >5 g/kg Practically non-toxic.
DERMAL TOXICITY (RABBITS) : LD50 : >5 g/kg Practically non-toxic.
INHALATION TOXICITY (RATS) : Not applicable. Harmful concentrations of mists and/or vapors are unlikely to be encountered through any customary or reasonably foreseeable handling, use, or misuse of this product.
EYE IRRITATION (RABBITS) : Practically non-irritating.
SKIN IRRITATION (RABBITS) : Practically non-irritating.

12. ECOLOGICAL INFORMATION
ECOTOXICITY : No data available.

13. DISPOSAL CONSIDERATION
This product is a controlled waste. Collect and dispose of waste product at an authorized facility, in conformance with national and local regulations, and in accordance with EEC Directives on the disposal of waste oil.

14. TRANSPORT INFORMATION
Not dangerous for conveyance.
Keep containers closed when not in use. Prevent small spill and leakage to avoid slip hazard.
TRANSPORT TEMPERATURE, °C : Ambient

15. REGULATORY INFORMATION
EC DANGEROUS SUBSTANCES/PREPARATIONS CLASSIFICATION : Not regulated.
GOVERNMENTAL INVENTORY STATUS : All components comply with EINECS, TSCA, DSL, AICS, ECL and MITI.
16. OTHER INFORMATION

SOURCE OF KEY DATA: The recommendations presented in this Material Safety Data Sheet were complied from actual test data when available, comparison with similar products, component information from suppliers and from recognized codes of good practice.

The data and recommendation presented herein are based on our research and the research of others, and are believed to be accurate. No guarantee of their accuracy is made; however, and the products discussed are distributed without warranty, express or implied, and the person receiving them small make his own determination of the suitability thereof for his particular purpose.