

MSDS No.	Yukol 7930	Page
PSM-01-P018		1/6

## I . CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

1. Product Name : Yukol 7930
2. CAS Number : See Section II -Composition
3. UN Number : Not applicable
4. Substance/ Synonyms : Polymer Polyol
5. Chemical Family : Polyols
6. Company : SKC  
55, Gosa-Dong, Nam-Gu, Ulsan, Korea  
Tel. 81-52-278-5500 ~ 5
7. Creation Date : March, 01, 2007
8. Revision Date : March, 01, 2007 Rev. NO. : 1

## II . COMPOSITION, INFORMATION ON INGREDIENTS

This may not be a complete list of components.

Compositions given are typical values, not specifications.

<u>Component Name</u>	<u>CAS No.</u>	<u>Composition Amount(%)</u>
Polymer Polyol	Trade Secret	GT 99.5
Others	-	LT 0.5

## III . HAZARDS IDENTIFICATION

### 1. Emergency Overview

NFPA Ratings (Scale 0-4) : Health=0, Fire=1, Reactivity=0

Clear, lightly colored, slightly oily, viscous liquids with a slightly sweet or faint ether-like odor. Avoid contact with eyes. Keep container tightly closed. Wash thoroughly after handling.

### 2. Potential Health Effects

Inhalation : Short Term Effects - No information available on significant adverse effects.

Long Term Effects - No information is available.

Skin Contact: : Short Term Effects - May cause slight skin irritation.

Long Term Effects - No information available on significant adverse effects.

MSDS No.	Yukol 7930	Page
PSM-01-P018		2/6

- O Eye Contact : Short Term Effects - May cause minor eye irritation.  
Long Term Effects - No information is available.
- O Ingestion : Short Term Effects - Low toxicity. May cause nausea.  
Long Term Effects - No information available on significant adverse effects.
- O Summary of Chronic Hazards : Avoid breathing vapors in top of shipping containers. May contain acrylonitrile - a known human carcinogen

### 3. Carcinogen Status

- OSHA : N , NTP : N , IARC : N

## IV. FIRST AID MEASURES

- Inhalation : If overcome by exposure, remove from exposure area to fresh air immediately. Give oxygen or artificial respiration as needed. Get medical attention Immediately
- Skin Contact : Wash with soap or mild detergent and large amounts of water until no evidence of chemical remains (at least 15-20 minutes)
- Eye Contact : Wash eyes immediately with large amounts of water or normal saline, occasionally lifting upper and lower lids, until no evidence of chemical remains (at least 15-20 minutes). Obtain emergency medical attention if pain, blinking, tears, or redness persist.
- Ingestion : Ingestion unlikely. However, if ingested, obtain emergency medical attention
- Note to Physician : No specific antidote. Treat symptomatically and supportively

## V. FIRE FIGHTING MEASURES

- Fire and Explosion Hazard : Slight fire hazard when exposed to heat or flame. Heat from fire can generate flammable vapor. When mixed with air and exposed to ignition source, vapor can burn in open or explode if confined. Vapors may be heavier than air. May travel long distances along the ground before igniting and flashing back to vapor source. Fine sprays/mists may be combustible at temperatures below normal flash point.
- Extinguishing Media : Dry chemical, carbon dioxide, water spray or regular

MSDS No.	Yukol 7930	Page
PSM-01-P018		3/6

- foam . For larger fires, use water spray, fog or regular foam
3. Firefighting : Move container from fire area if you can do it without risk. Do not enter fire area without proper protection. Fight fire from a safe distance/protected location. Heat may build enough pressure to rupture closed containers / spreading fire / increasing risk of burns / injuries. Do not use solid water stream / may spread fire. Use water spray / fog for cooling. Avoid frothing / steam explosion. Water or foam may cause frothing. Dike fire-control water for later disposal. Avoid breathing hazardous vapors, keep upwind. Notify authorities immediately if liquid enters sewer/public waters.
4. Flash Point : 250 °C (CC)
5. Flammable Limit : No data available
6. Autoignition : GT 250 °C
7. Flammability Class(Osha) : IIIB
8. Hazardous Combustion : Incomplete combustion may produce carbon monoxide, Products aldehydes, acrid fumes, and other toxic gases

## VI. ACCIDENTAL RELEASE MEASURES

- Occupational Spill : Stop leak if you can do it without risk. For small spills, take up with sand or other absorbent material and place into clean, dry containers for later disposal. Slippery walking. Spread granular cover. Prevent flow to sewer/public waters. Keep unnecessary people away. Isolate hazard area and deny entry.

## VII. HANDLING AND STORAGE

Container headspace may contain trace levels of acrylonitrile - a cancer hazard. Hygroscopic. Use dry nitrogen or low dew point air for tank padding. Keep drums tightly closed to prevent contamination. Store at 25~35 °C. Observe all federal, state and local regulations when storing this substance. Store away from incompatible substances.

MSDS No.	Yukol 7930	Page
PSM-01-P018		4/6

## VIII. EXPOSURE CONTROLS, PERSONAL PROTECTION

1. Exposure Limits : No occupational exposure limits established by OSHA, ACGIH, or NIOSH.
2. Ventilation : No special ventilation is recommended under anticipated conditions of normal use beyond that needed for normal comfort control.
3. Eye Protection : Eye protection such as chemical splash goggles and/or face shield must be worn when possibility exists for eye contact due to splashing or spraying liquid, airborne particles, or vapor. Contact lenses must not be worn.  
Emergency eye wash : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
4. Skin Protection : Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking, and when leaving work.
5. Respirator : No special respirator protection is recommended under anticipated conditions of normal use with adequate ventilation. Where excessive vapor, mist, or dust may result from use, use respiratory protection equipment recommended or approved by appropriate local, state or international agency.

## IX. PHYSICAL AND CHEMICAL PROPERTIES

1. Description : Yellowish white, hygroscopic, Little or no odor, Viscous Liquid
2. Molecular Weight : No data available
3. Molecular Formula : Trade secret
4. Boiling Point : GT 250 °C
5. Freezing Point : No data available
6. Vapor Pressure : LT 0.1mm Hg (at 20°C)
7. Vapor Density : GT 1.0
8. Specific Gravity : 1.0418
9. Water Solubility : Negligible

MSDS No.	Yukol 7930	Page
PSM-01-P018		5/6

10. Volatility : No data available  
 11. PH : No data available  
 12. Odor Threshold : No data available  
 13. Evaporation Rate : LT 0.01(Butyl Acetate)  
 14. Viscosity : 4,100 cps @ 25 °C (Typically)  
 15. Solvent Solubility : Soluble in oils

## X. STABILITY AND REACTIVITY

1. Reactivity : Stable under normal temperatures and pressures  
 2. Conditions to Avoid : Avoid contact with strong acids, strong alkalis, heat, sparks, open flame, and other ignition sources  
 3. Incompatibilities : Oxidizers (Strong) - Fire and explosion hazard.  
 Isocyanates - Exothermical reaction.  
 4. Hazardous Decomposition : Incomplete combustion may produce carbon monoxide, aldehydes, acid fumes, and other toxic gases  
 5. Polymerization : Hazardous polymerization has not been reported to occur under normal temperatures and pressures

## XI. TOXICOLOGICAL INFORMATION

1. Polyether Polyol : No data available  
 2. Carcinogen Status : None  
 3. Acute Toxicity Level : Slightly Toxic - Ingestion  
 4. Target Effects : No data available  
 5. At Increased Risk From Exposure : No data available  
 6. Additional Data : No data available

## XII. ECOLOGICAL INFORMATION

1. Environmental Impact Rating (0-4) : No data available  
 2. Acute Aquatic Toxicity : No data available  
 3. Degradability : No data available  
 4. Log Bioconcentration Factor (BCF) : No data available  
 5. Log Octanol/Water Partition Coefficient : No data available

MSDS No.	Yukol 7930	Page
PSM-01-P018		6/6

### XIII. DISPOSAL CONSIDERATIONS

Landfill solids at permitted sites. Use registered transports. Burn concentrated liquids. Avoid flame-outs. Assure emissions comply with applicable regulations. Aqueous waste may biodegrade. Contaminated product, soil, water, container residues and spill cleanup materials should not be designated hazardous waste.

### XIV. TRANSPORT INFORMATION

No classification currently assigned.

### XV. REGULATORY INFORMATION

- o TSCA Inventory Status : Y
- o CERCLA Section 103 (40CFR302.4) : N
- o SARA Section 302 (40CFR355.30) : N
- o SARA Section 304 (40CFR355.40) : N
- o SARA Section 313 (40CFR372.65) : N
- o OSHA Process Safety (29CFR1910.119) : N
- o California Proposition 65 : N
- o SARA Hazard Categories, SARA Sections 311/312 (40 CFR 370.21)
  - Acute Hazard : N
  - Chronic Hazard : N
  - Fire Hazard : N
  - Reactivity Hazard : N
  - Sudden Release Hazard : N

### XVI. OTHER INFORMATION

- o Authorized for internal use only