

## PRODUCT NAME: KF-54

MATERIAL SAFETY DATA SHEET

## SECTION 1. COMPANY IDENTIFICATION

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COMPANY IDENTIFICATION

MANUFACTURER'S NAME: Shin-Etsu Chemical Co., Ltd.

ADDRESS: 6-1, 2-Chome, Ohtemachi, Chiyodaku, Tokyo, JAPAN

EMERGENCY TELEPHONE NUMBER:

02-775-9691 (Shin-Etsu Silicone Korea Co., Ltd.)

TELEPHONE NUMBER FOR INFORMATION:

03-3246-5121 (Tokyo, JAPAN)

02-775-9691 (Shin-Etsu Silicone Korea Co., Ltd.)

DATA PREPARED : 01/18/1994

LAST REVISION : 11/01/2005

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PRODUCT NAME :

KF-54

PRODUCT CLASSIFICATION: Silicone Fluid

#### SECTION 2. COMPOSITION

SINGLE OR MIXTURE: Single CHEMICAL IDENTIFICATION: Methylphenylpolysiloxane HAZARDOUS COMPONENT(S): CAS No. EINECS / COMPONENT(S) Wt % CLASSIFICATION ELINCS No. No hazardous materials present

## SECTION 3. HAZARDS IDENTIFICATION

#### PRINCIPAL HAZARD:

This product is not applicable to hazard defined in the Directive 67/548/EEC.

## SECTION 4. FIRST AID MEASURES

SKIN contact ; Remove product from skin with dry cloth or towel, and wash exposed area with detergent. EYES contact ; Immediately flush with water for at least 15 minutes. INGESTION ; Wash out mouth with water provided person is



conscious. Never give anything by mouth to an unconscious person. Call a physician immediately.

#### SECTION 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Foam, dry chemical or carbon dioxide SPECIAL FIRE FIGHTING PROCEDURE: None UNUSUAL FIRE AND EXPLOSION HAZARD: None

## SECTION 6. ACCIDENTAL RELEASE MEASURES

STEP TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Contain the spill or leak. Scrape up with cardboard or rag and place in container.

## SECTION 7. HANDLING AND STORAGE

PRECAUTION TO BE TAKEN IN HANDLING AND STORING: Keep container closed when not in use. Store in a cool place. Keep away from heat and flame. Do not lay the container on its side. Avoid contact with eyes and prolonged or repeated skin contact.

Keep out of reach of children.
\* \* \* \* \* Information about the emptied container \* \* \* \*
Do not re-use this container.
Keep away from heat, sparks and flame.
Do not puncture or cut this container, and do not weld on or
near this container.

#### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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EXPOSURE GUIDELINES:

ACGIH TLV-TWA : Not established,

OSHA PEL : Not established

RESPIRATORY PROTECTION(specify type):

See SECTION 11 of this MSDS for OTHER INFORMATION

VENTILATION:

LOCAL EXHAUST: See SECTION 11 of this MSDS for OTHER INFORMATION

MECHANICAL(general): See SECTION 11 of this MSDS for OTHER

INFORMATION

SPECIAL: Unknown

OTHER: Unknown
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PROTECTIVE GLOVES: Plastic film or rubber gloves EYE PROTECTION: Safety glasses OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash equipment WORK/HYGIENIC PRACTICES: Wash hands after handling.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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BOILING POINT:
          Not applicable
FLASH POINT (method used):
          >300 degrees C (Open cup)
          >94 degrees C (Closed cup)
FLAMMABLE LIMITS:
          LOWER: Not measured UPPER: Not measured
VAPOR PRESSURE:
          Negligible (25 degrees C)
VAPOR DENSITY(air=1):
          Not applicable
SPECIFIC GRAVITY:
          1.07
                  (25 degrees C)
Viscosity:
                 mm2/s(25 degrees C)
           400
MELTING POINT:
          Not applicable
EVAPORATION RATE:
          Negligible (Butyl Acetate=1)
Partition coefficient(Log n-Octanol/Water):
          Not applicable
SOLUBILITY IN WATER:
          Not soluble (<1 ppm)
APPEARANCE (color) :
          Colorless, transparent
APPEARANCE (form) :
          Fluid
ODOR:
          Odorless
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#### SECTION 10. STABILITY AND REACTIVITY

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STABILITY:
Stable
CONDITION TO AVOID:
None
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INCOMPATIBILITY (material to avoid): None HAZARDOUS DECOMPOSITION OR BY-PRODUCT: None HAZARDOUS POLYMERIZATION: Will not occur CONDITION TO AVOID: None

SECTION 11. TOXICOLOGICAL INFORMATION

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SKIN IRRITATION:
          SKIN-RABBIT : 0.5ml MILD(PII=0.28)
          Patch Test(24Hr/Open) : Almost Negative
EYE IRRITATION:
          EYE-RABBIT : 0.1ml MILD
SENSITIZATION:
          Not skin sensitizer. (Guinea pig)
ACUTE TOXICITY(LD50):
          LD50(Oral/Rat) : >5g/kg
ACUTE TOXICITY(LC50):
          Not applicable
CHRONIC TOXICITY:
          No information is available.
CARCINOGENICITY:
          NTP:Not listed, IARC:Not listed, OSHA REGULATED:Not listed
OTHER INFORMATION:
          This product can generate formaldehyde at approximately
           150 degrees C(300'F) and above in the presence of air.
           Formaldehyde is a skin and respiratory sensitizer, eye and
           throat irritant, acute toxicant and potential cancer
           hazard. So, use adequate ventilation or wear protective
           equipment such as gloves, goggles or protective clothing
           when this product is heated at approximately 150 degrees
           C(300'F) and above in the presence of air.
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## SECTION 12. ECOLOGICAL INFORMATION

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BIODEGRADATION:

No evidence of biodegradation

BIOACCUMULATION:

No evidence of bioaccumulation

AQUATIC TOXICITY:

No information is available.

OTHER INFORMATION:

No ozone depleating materials(CFCs, HALONs and HCFCs) are present and used

in manufacturing.
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## SECTION 13. DISPOSAL CONSIDERATIONS

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Can be burned in a chemical incinerator equipped with an
afterburner and scrubber.
Do not dispose the emptied container unlawfully.
Observe all federal, state, and local laws.
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## SECTION 14. TRANSPORT INFORMATION

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UN No.:

None

IMO CLASSIFICATION AND CLASS:

None

PACKAGING GROUP:

None

PROPER SHIPPING NAME:

None

TECHNICAL SHIPPING NAME:

None

MARINE POLLUTANT:

None

DOT REPORTABLE QUANTITY (49CFR 172.101, APP.) :

HAZARD SUBSTANCE (S) NAME / (CAS No.), CONTENTS AND RQ

Not applicable
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## SECTION 15. REGULATORY INFORMATION

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TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS:
       Listed on the TSCA Inventory.
EUROPEAN INVENTORY OF EXISTING COMMERCIAL CHEMICAL SUBSTANCES
(EINECS) STATUS:
       Listed on the EINECS.
LABELING ACCORDING TO EC-REGULATIONS REQUIRED:
       SYMBOL : Not required
       R-PHRASE : Not required
       S-PHRASE : Not required
       CONTAINS : None
WGK CLASSIFICATION (Water Resources Act in Germany):
       WGK=1
SUPERFUND AMENDMENTS AND REAUTHORIZAITION ACT OF 1986 (SARA)
TITLE III SECTION 313 SUPPLIER NOTIFICATION:
This regulation requires submission of annual reports of toxic
chemical(s) that appear in section 313 of the emergency planning
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# MSDS NO: EN-06-05300018 PRODUCT NAME: KF-54

## SECTION 16. OTHER INFORMATION