
MATERIAL SAFETY DATA SHEET

SECTION 1. COMPANY IDENTIFICATION

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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BASE NO 3

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
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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

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

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

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:

400 mm²/s(25 degrees C)

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

SECTION 10. STABILITY AND REACTIVITY

STABILITY:

Stable

CONDITION TO AVOID:

None

INCOMPATIBILITY(material to avoid):

None

HAZARDOUS DECOMPOSITION OR BY-PRODUCT:

None

HAZARDOUS POLYMERIZATION:

Will not occur

CONDITION TO AVOID:

None

SECTION 11. TOXICOLOGICAL INFORMATION

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.

SECTION 12. ECOLOGICAL INFORMATION

BIODEGRADATION:

No evidence of biodegradation

BIOACCUMULATION:

No evidence of bioaccumulation

AQUATIC TOXICITY:

No information is available.

OTHER INFORMATION:

No ozone depleting materials(CFCs,HALONs and HCFCs) are present and used in manufacturing.

SECTION 13. DISPOSAL CONSIDERATIONS

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.

SECTION 14. TRANSPORT INFORMATION

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

SECTION 15. REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS:

Listed on the TSCA Inventory.

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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

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WGK CLASSIFICATION (Water Resources Act in Germany):

WGK=1

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SUPERFUND AMENDMENTS AND REAUTHORIZATION 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



and community Right-To-Know Act of 1986 and 40 CFR 372.

This information must be included in all MSDS's that are copied and distributed for the material.

The toxic chemical(s) contained in this product are:

CHEMICAL NAME/(CAS No.) AND CONTENTS

** None **

CALIFORNIA PROPOSITION 65:

This regulation requires a warning for California

Proposition 65 Chemical(s) under the statute.

The California Proposition 65 Chemical(s) contained in this product are:

CHEMICAL NAME/(CAS No.) AND CONTENTS

** None **

SECTION 16. OTHER INFORMATION

For Industrial Use Only

This materials safety data sheet is offered solely for your information, consideration and investigation.

The data described in this MSDS consist of data on literature, our acquisitional data and analogical inference by data of similar chemical substance or product.

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