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MATERIAL SAFETY DATA SHEET

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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:

330-630-9860 (Shin-Etsu Silicones of America, Inc.)

800-424-9300 (CHEMTREC) (24hrs) (Washington, D.C. USA)

036-5326380 (Shin-Etsu Silicones Europe B.V., THE NETHERLANDS)

743-7277 (Shin-Etsu Singapore Pte., Ltd.)

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

02-2715-0055 (Shin-Etsu Silicone Taiwan Co., Ltd.)

## TELEPHONE NUMBER FOR INFORMATION:

03-3246-5121 (Tokyo, JAPAN)

330-630-9860 (Shin-Etsu Silicones of America, Inc.)

036-5326380 (Shin-Etsu Silicones Europe B.V., THE NETHERLANDS)

743-7277 (Shin-Etsu Singapore Pte., Ltd.)

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

02-2715-0055 (Shin-Etsu Silicone Taiwan Co., Ltd.)

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BASE NO 1

## PRODUCT NAME :

**KE-541-U**

## PRODUCT CLASSIFICATION:

Silicone Rubber Compound

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SECTION 2. COMPOSITION

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## SINGLE OR MIXTURE:

Mixture

## CHEMICAL IDENTIFICATION:

Organopolysiloxane mixture

## HAZARDOUS COMPONENT(S) / (CAS No.):

No hazardous materials present

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SECTION 3. HAZARDS IDENTIFICATION

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## HAZARDS CLASSIFICATION:

None (based on IMO)

## FIRE AND EXPLOSION:

No flammable and explosive hazard

POTENTIAL HEALTH EFFECT:

SKIN contact ; No significant effect.

INGESTION ; No information is available.

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**SECTION 4. FIRST AID MEASURES**

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INGESTION ; Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Call a physician immediately.

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**SECTION 5. FIRE FIGHTING MEASURES**

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FLASH POINT(method used):

Not applicable

FLAMMABLE LIMITS:

Not applicable

EXTINGUISHING MEDIA:

Foam, dry chemical, carbon dioxide or fine water spray

SPECIAL FIRE FIGHTING PROCEDURE:

None

UNUSUAL FIRE AND EXPLOSION HAZARD:

None

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

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STEP TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Collect spilled materials and place in a container.

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**SECTION 7. HANDLING AND STORAGE**

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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.

Keep out of reach of children.

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**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

PROTECTIVE GLOVES:

Plastic film

EYE PROTECTION:

Not required

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

Not required

WORK/HYGIENIC PRACTICES:

Wash hands after handling.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

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BOILING POINT:

Not applicable

VAPOR PRESSURE:

Not applicable

VAPOR DENSITY(air=1):

Not applicable

SPECIFIC GRAVITY:

1.10 (25 degrees C)

MELTING POINT:

Not applicable

EVAPORATION RATE:

Not applicable (Butyl Acetate=1)

SOLUBILITY IN WATER:

Not soluble

APPEARANCE(color):

Milk-white, translucent

APPEARANCE(form):

Solid

ODOR:

Odorless

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**SECTION 10. STABILITY AND REACTIVITY**

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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

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**SECTION 11. TOXICOLOGICAL INFORMATION**

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## SKIN IRRITATION:

Not applicable

## EYE IRRITATION:

Not applicable

## ACUTE TOXICITY(LD50):

No information is available.

## 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:

Not applicable

## BIOACCUMULATION:

Not applicable

## AQUATIC TOXICITY:

Not applicable

## OTHER INFORMATION:

None

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**SECTION 13. DISPOSAL CONSIDERATIONS**

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Can be land-filled or burned in a chemical incinerator equipped with an afterburner and scrubber.  
Observe all federal, state, and local laws.

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**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(RQ) :

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.

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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 \*\*

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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 \*\*

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**SECTION 16. OTHER INFORMATION**

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For Industrial Use Only

Do not inhale exhaust gas at curing.

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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.

Shin-Etsu Chemical Co., Ltd. provides no warranties, either express or implied, and assumes no responsibility for the accuracy or completeness of the data contained herein.

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