

SAFETY DATA SHEET

OUR REF No. I-173

## 1. IDENTIFICATION OF THE PRODUCT AND OF THE SUPPLIER

**【PRODUCT NAME】** FLOIL KG-51K3  
**【USE OF THE CHEMICAL】** Lubricant  
**【MANUFACTURER NAME】** Kanto Kasei Ltd.  
**【MANUFACTURER ADDRESS】** 1-8-1, Marunouchi, Chiyoda-ku, Tokyo JAPAN, 100-0005  
**【DIVISION】** Chemical Safety Division  
**【PHONE NUMBER】** TEL: 03(3218)7111 FAX: 03(3218)7100  
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## 2. HAZARDS IDENTIFICATION

CLP REGULATION (EC) No 1272/2008

CLASSIFICATION:

The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements).

Hazard classification and indication: Not applicable

## LABEL ELEMENTS

Hazard pictograms: Not applicable

Signal words: Not applicable

Hazard statements: Not applicable

Precautionary statements: Not applicable

This product is not subject to hazard labeling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

## DISTINCTION

(SINGLE PRODUCT/MIXTURE) : Mixture

CHEMICAL NAME : Grease

COMPOSITION BASE OIL : Synthetic oil 65~75wt%

THICKNER : Lithium soap 5~15wt%

OTHERS : Additives 10~20wt%

CHEMICAL FORMULAE : Not disclose, because of trade secrets

CAS NO : Not disclose, because of trade secrets

UN CLASS/UN NUMBER : Not applicable

## 4. FIRST-AID MEASURES

IF INHALED : Remove victim to fresh air.

Get medical advice/attention.

IF ON SKIN : Wash the affected area with soap and water.

IF IN EYES : Flush eyes with plenty of water, and get medical advice /attention.

IF SWALLOWED : Do not induce vomiting. Get medical advice/attention.

If a mouth is polluted, wash it with plenty of water.

MOST IMPORTANT SYMPTOM : No data available

PROTECTION OF PERSON

GIVE FIRST-AID : No data available

SPECIAL NOTE TO DOCTOR : No data available

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## 5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA	: Use spray foam, foam, powder or CO <sub>2</sub> gas extinguishing media.
FIRST FIRE	: Use powder or CO <sub>2</sub> gas extinguishing media.
LARGE-SCALE FIRE	: Use foam extinguishing media.
UNSUITABLE EXTINGUISHING MEDIA	: Prohibit rod-shaped water injection.
PECULIAR HAZARD STATEMENT	: No data available
PECULIAR EXTINCTION METHOD	: Cut off combustion source of fire. : Sprinkle water to equipment to cool. : Prohibit to enter to the scene of a fire except staff.
PROTECTION OF THE PERSON	
EXTINGUISHES FIRE	: Extinguish fire on the windward side of the fire and not fail to wear protector.

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## 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	: Always wear protective equipment when working.
ENVIRONMENTAL PRECAUTIONS	: Take care not to be drained into river and drain. : If the medicine is used for the sea, it should be what suits the standard in the technology that provides by the transportation ministerial ordinance.
METHODS FOR CONTAINMENT AND CLEANING UP	
SMALL QUANTITY	: Remove source of a fire. : Remove with a spatula or shovel, or absorb with soil, sand or a cloth. Wipe off remainder with a cloth.
LARGE QUANTITY	: Prevent access by roping off the perimeter around the leak. Prevent the spilling grease from spreading with soil and sand. After draining off to a safety area, collect as much as possible into an empty container.
AT SEA	: Prevent dispersion by creating an oil fence. Scoop up or use adsorption mats to soak up. When chemicals are used, these must comply with technological standards as set down in ministry of transport ordinances.
PREVENTION MEASURE OF SECOND DISASTER	: Inform promptly a related organization to attempt prevention and the expansion prevention of the accident when leaking. : Remove source of a fire and prepare extinguishing media.

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## 7. HANDLING AND STORAGE

HANDLING	
TECHNICAL MEASURES	: Avoid contact with flame, sparks and heated objects. Do not allow unnecessary dispersion of vapor. : Take steps to prevent static electricity, and use conductive work clothes and shoes. : Remove completely it in the safety area, if the mechanical equipment are repaired and are processed. : Wear protector, if there is possibility of skin contact or eye contact. : Avoid inhalation of vapor or mist. : Containers must be sealed.
NOTES	: The vapor from petroleum products builds up easily as it is heavier than air. It is therefore necessary to ensure adequate ventilation and take care with fire.

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NOTES OF SAFE HANDLING	: Handling should be done at room temperature. Prevent contamination of water and impurities.
	: Avoid contact with halogens, strong acids, alkaline substances and oxidants.
STORAGE	: Protect from sunlight. Store in a well-ventilated place.
	: Avoid heat, sparks, flames and any build-up of static electricity.
	: Electrical equipment used in the storage area must have a non-explosive structure, and devices must be earthed.
	: Avoid contact and storing with halogens, strong acids, alkaline substances and oxidants.
	: Do not apply pressure to empty containers.
	: Don't cut, weld, heat, or make the hole the container. Traces might ignite attended with the explosion.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EQUIPMENT MESURES	: If the vapor arises, ventilation equipment or closing of vapor source is needed.
	: The equipment for washing and the body washing of eyes is set up near the handling area.
MANAGEMENT CONCENTRAITON	: Not established
ALLOWABLE CONCENTRATION	: Not established
	: ACGIH Not established
PROTECTION	
RESPIRATORY PROTECTION	: If necessary, wear hazard mask.
HAND PROTECTION	: Wear the resistance to oil if coming in contact repeating for a long term.
EYE PROTECTION	: Wear safety glasses with side shields.
SKIN PROTECTION	: When contacting for a long time or repeatedly, wear oil resistant ones.
APPROPRIATE SANITARY REQUIREMENT	: Remove dirty clothes, wash completely and reuse.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	: Liquid
COLOR	: Yellow
ODOR	: Slightly odor
p H	: No data
MELTING POINT/FREEZING POINT	: No data
INITIAL BOILING POINT AND BOILING	: No data
FLASH POINT	: Over 200°C (SETA)
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS	: Upper : 7wt%      lower : 1wt%
VAPOR PRESSURE	: No data
VAPOR density	: No data
RELATIVE DENSITY (WATER=1)	: 0.8~0.9
SOLUBILITY	: Water                    : Insoluble Other solvent : Insoluble
AUTO-IGNITION TEMPERATURE	: No data
DECOMPOSITION TEMPERATURE	: No data
VISCOSITY	: No data

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**10. STABILITY AND REACTIVITY**

STABILITY : Stability at room temperature  
 POSSIBILITY OF HAZARDOUS REACTIONS : Avoid contact with strong acids.  
 CONDITIONS TO AVOID : Avoid contact with halogens, strong acids, alkaline substances and oxidants.  
 HAZARDOUS DECOMPOSITION PRODUCTS : CO  
 OTHER : No data available

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**11. TOXICOLOGICAL INFORMATION**

ACUTE TOXICITY : Oral : rat LD<sub>50</sub> ≥ 5000mg/kg : Not classified  
 Dermal : No data  
 Inhalation(vapor) : No data  
 Inhalation(mist) : No data  
 SKIN CORROSION/IRRITATION : No data available  
 SERIOUS EYE DAMAGE/IRRITATION : No data available  
 RESPIRATORY OR SKIN SENSITIZATION : No data  
 GERM CELL MUTAGENICITY : No data available  
 CARCINOGENICITY BASE OIL : IARC, OSHA, NTP, EU, EPA, ACGIH Not established  
 THICKNER : No data available  
 ADDITIVE : No data available  
 REPRODUCTIVE TOXICITY : No data available  
 STOT-single exposure : No data available  
 STOT-repeated exposure : No data available  
 ASPIRATION HAZARD : No data available

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**12. ECOLOGICAL INFORMATION**

TOXICITY FISH : No data available  
 OTHERS : No data available  
 PERSISTENCE/DEGRADABILITY : No data available  
 BIOACCUMULATIVE POTENTIAL : No data available  
 MOBILITY IN SOIL : No data available  
 OTHER ADVERSE EFFECTS : No data available

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**13. DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHOD : Consider disposal via licensed waste disposal company. Scrap may be incinerated under properly controlled condition. Follow all regulations in your country.

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**14. TRANSPORT INFORMATION**

Not classified as dangerous in all means of transport regulations, including air, sea and land.

**INTERNATIONAL REGULATIONS**

FOR TRANSPORT : Not regulated (Not dangerous)  
 UN CLASS : Not applicable  
 UN NUMBER : Not applicable  
 PRODUCT NAME : Not applicable  
 CONTAINER GRADE : Not applicable  
 SEAWATER POLLUTION MATERIAL : None

SPECIFIC SECURITY PRECAUTION

AND CONDITION OF TRANSPORTATION : The container is avoided direct sunlight, and it loads so as not to be damaged, corroded and leak.  
The collapse of cargo piles is prevented surely.  
: Don't pile the heavy load.

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15. REGULATORY INFORMATION

Ensure this material in compliance with nation's requirements, and ensure conformity to local regulation.

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16. OTHER INFORMATION

Please read the SDS well before use.

SAFETY DATA SHEETS ARE ISSUED BASED ON THE LATEST INFORMATION WE HAVE KNOWN. HOWEVER, THESE ARE NOT THE ONE TO INSURE SAFETY. THESE ARE PROVIDED TO COMPANIES HANDLING THE MATERIALS AS REFERENCE INFORMATION REGARDING HAZARDOUS AND HARMFUL CHEMICALS TO ENSURE SAFE HANDLING. WE ASK THAT THESE SHEETS BE USED BY COMPANIES AS REFERENCE AND WITH THE UNDERSTANDING THAT IT IS NECESSARY FOR MEASURES APPROPRIATE TO THE SPECIFIC CIRCUMSTANCES RELATED TO HANDLING THE MATERIALS TO BE TAKEN UNDER THEIR OWN RESPONSIBILITY. ACCORDINGLY, THIS DATA SHEET IN NO WAY CONSTITUTES A GUARANTEE OF SAFETY.