

SAFETY DATA SHEET

OUR REF No. I-76

1. IDENTIFICATION OF THE PRODUCT AND OF THE MANUFACTURER

【PRODUCT NAME】 FLOIL G-5002
【USE OF THE CHEMICAL】 Lubricant grease
【MANUFACTURER NAME】 Kanto Kasei Ltd.
【MANUFACTURER ADDRESS】 1-8-1, Marunouchi, Chiyoda-ku, Tokyo JAPAN, 100-0005
【DIVISION】 Chemical Safety Division
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2. HAZARDS IDENTIFICATION

CLP REGULATION (EC) No 1272/2008

CLASSIFICATION: This material is not classified as hazardous according to Regulation (EC) No. 1272/2008, as amended, on classification, labelling, and packaging of substances and mixtures.

CLP REGULATION (EC) No 1272/2008: Not applicable

Other hazards: None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

DISTINCTION

(SINGLE PRODUCT/MIXTURE) : Mixture

CHEMICAL NAME : Grease

COMPOSITION BASE OIL : Synthetic oil 80~90wt%

THICKNER : Polyurea 10~15wt%

OTHERS : Additives Approx. 1wt%

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 : Move to a place with fresh air. Cover your body with a blanket to keep it warm and rested and seek medical attention if necessary.

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

IF IN EYES : Flush immediately with water for at least 15 minutes.

: Get immediate medical attention.

IF SWALLOWED : Get medical attention immediately without forcing you to vomit. If the mouth is contaminated, wash thoroughly with water.

MOST IMPORTANT SYMPTOM : No data available

PROTECTION OF PERSON

GIVE FIRST-AID : No data available

SPECIAL NOTE TO DOCTOR : No data available

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA : A mist-like fortifying liquid, foam, powder or carbon dioxide fire extinguishing agent is effective.

: For early fires, powder and carbon dioxide fire extinguishing agents are used.

: In the case of a large-scale fire, it is effective to shut off the air with a foam fire extinguisher.

UNSUITABLE EXTINGUISHING MEDIA	: Do not use sticks of water. It can spread the fire and be dangerous.
PECULIAR HAZARD STATEMENT	: No data available
PECULIAR EXTINCTION METHOD	: Cut off the combustion source to the fire source. : Sprinkle water on surrounding equipment to cool it. : No one except the people concerned is allowed to enter the area around the place where the fire broke out.
PROTECTION OF THE PERSON EXTINGUISHES FIRE	: Extinguish the fire from the windward side and always wear protective equipment.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	: Always wear protective equipment when working.
ENVIRONMENTAL PRECAUTIONS	: Be careful not to discharge it into rivers, sewers, etc. : At sea, when using chemicals, they must comply with the technical standards specified by the Ordinance of the Ministry of Transport.
METHODS FOR CONTAINMENT AND CLEANING UP	: Remove the surrounding ignition source.
SMALL QUANTITY	: Remove it with a spatula, shovel, etc. or adsorb it to earth and sand, waste cloth, etc. to collect it, and then wipe it off completely with a waste cloth, etc.
LARGE QUANTITY	: A rope is stretched around the leaked area to keep people out. : Stop the flow of the leaked grease with earth and sand, collect it in a safe place, and then collect it in an empty container as much as possible.
AT SEA	: Use an oil fence to prevent diffusion, and scoop or absorb with a suction mat. : When using a drug, it must comply with the technical standards specified by the Ordinance of the Ministry of Transport.
PREVENTION MEASURE OF SECOND DISASTER	: In the event of a leak, promptly notify the relevant organizations for the purpose of preventing accidents and spreading. : Immediately remove nearby ignition sources and prepare a fire extinguishing agent.

7. HANDLING AND STORAGE

HANDLING	
TECHNICAL MEASURES	: Avoid contact with flames, sparks or hot objects, and do not let steam escape unnecessarily. : Take measures against static electricity and use conductive work clothes and shoes. : When repairing or processing machinery or equipment, remove it completely in a safe place. : Wear protective equipment if it may come in contact with your skin or in your eyes. : If mist is generated Do not inhale the mist using a respiratory device. : Be sure to seal the container.
NOTES	: Since the steam generated from the product is heavier than air and tends to stay, it is necessary to pay attention to ventilation and fire.
NOTES OF SAFE HANDLING	: Handle at room temperature, and be careful not to mix moisture and impurities.

STORAGE	: Be careful not to come in contact with halogens, strong acids, alkalis and oxidizing substances.
	: Avoid direct sunlight and store in a well-ventilated place.
	: Avoid heat, sparks, flames and static electricity buildup.
	: The electrical appliances used in the storage area shall have an explosion-proof structure, and the appliances shall be grounded.
	: Avoid contact with halogens, strong acids, alkalis, oxidizing substances and storage in the same place.
	: Do not put pressure on the empty container.
	: The container shall not be welded, heated, drilled or cut. Residues may ignite with an explosion.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EQUIPMENT MEASURES	: If mist is generated, seal the source or install an exhaust system.
	: Install equipment for eye and body cleansing near the handling area.
MANAGEMENT CONCENTRATION	: Not established
ALLOWABLE CONCENTRATION	: Japan Society for Occupational Health(2010) Not established
	: ACGIH(2010) TWA Not established
PROTECTION	
RESPIRATORY PROTECTION	: Normally not required, but wear a gas mask (for organic gas) as needed.
HAND PROTECTION	: Wear oil-resistant materials for long-term or repeated contact.
EYE PROTECTION	: Wear normal glasses if droplets fly.
SKIN PROTECTION	: Wear oil-resistant long-sleeved work clothes when handling for a long period of time or when getting wet.
APPROPRIATE HYGIENE MEASURES	: Take off wet clothing, wash thoroughly and reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	: Semisolid
COLOR	: Milky White
ODOR	: Odorless
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% (Base oil)
VAPOR PRESSURE	: No data
VAPOR density	: No data
RELATIVE DENSITY (WATER=1)	: No data
SOLUBILITY	: Water : Insoluble
AUTO-IGNITION TEMPERATURE	: No data
DECOMPOSITION TEMPERATURE	: No data

10. STABILITY AND REACTIVITY

STABILITY : Stable under normal conditions.
REACTIVITY : Avoid contact with strong oxidants
CONDITIONS TO AVOID : Be careful not to come in contact with halogens,
strong acids, alkalis and oxidizing substances.
INCOMPATIBLE MATERIALS : No data available
HAZARDOUS DECOMPOSITION PRODUCTS : CO

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY : Oral : rat LD₅₀ ≥ 5000mg/kg
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

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

13. DISPOSAL CONSIDERATIONS

RESIDUAL WASTE : The business operator disposes of industrial waste
by itself, or if an industrial waste disposer
licensed by the prefectural governor, or a local
public body, disposes of it, entrusts it to dispose
of it.
: No littering
: Before landfill disposal, incinerate using an
incinerator, and confirm that the burnt residue is
below the standard stipulated in the "Waste
Disposal and Public Cleansing Law Enforcement
Ordinance".
: When burning, do it in a safe place and in a way
that does not cause any other harm or damage due to
burning or explosion, and keep a watchman.

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 : "Be careful of fire" because flammable liquid is used.
: Carry the container so that it does not cause significant friction or shaking.
: When transporting more than the specified quantity of dangerous goods by vehicle, a sign will be put up on the vehicle as specified by the Ordinance of the Ministry of Internal Affairs and Communications. In this case, a fire extinguishing system corresponding to the dangerous substance is provided. The stacking height during transportation shall be 3 m or less.
: Do not mix Class 1 and Class 6 dangerous goods and high-pressure gas.

15. REGULATORY INFORMATION

EU information

(EC)1907/2006 Title VII : Not regulated.
(EC)1907/2006 Title VIII : Not regulated.
(EC)1005/2009 : Not regulated.
(EC)805/2004 : Not regulated.
(EU)649/2012 : Not regulated.
Others : No further relevant information available.

USA information

TSCA (Toxic substances control act) : Not regulated. All ingredients are listed.

Chemical Safety Assessment

A chemical safety assessment has been carried out for this substance/mixture in accordance with Regulation (EC) No1907/2006, as amended.

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.