

SAFETY DATA SHEET

OUR REF No. I-114

1. IDENTIFICATION OF THE PRODUCT AND OF THE SUPPLIER

【PRODUCT NAME】 FLOIL G-573
【USE OF THE CHEMICAL】 Lubricating 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.

LABEL ELEMENTS

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

DISTINCTION

(SINGLE PRODUCT/MIXTURE) : Mixture

CHEMICAL NAME : Grease

COMPOSITION BASE OIL : Synthetic oil 65~75wt%
THICKNER : Lithium soap 10~20wt%
OTHERS : Additives 15~20wt%

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

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA : Use spray foam, foam, powder or CO₂ gas
extinguishing media.
FIRST FIRE : Use powder or CO₂ 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 EXTINGUISHING 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.

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	: Remove source of a fire.
SMALL QUANTITY	: 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.

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.
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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- EQUIPMENT MEASURES : 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 CONCENTRATION : Not established
- ALLOWABLE CONCENTRATION : Japan Society for Occupational Health(2010)
3mg/m³ (as mist of mineral oil)
: ACGIH(2010) TWA : 5mg/m³ (as mist of mineral oil)
- 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

- APPEARANCE : Semisolid
- 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% (Base oil)
- 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

10. STABILITY AND REACTIVITY

- STABILITY : Stability at room temperature
- POSSIBILITY OF HAZARDOUS REACTIONS : Do not make contact with strong oxidizing agent.
- CONDITIONS TO AVOID : Heating, high temperature, and contact hazardous

material
 INCOMPATIBLE MATERIALS : Avoid contact with halogens, strong acids, alkaline substances and oxidants.
 HAZARDOUS DECOMPOSITION PRODUCTS : CO
 OTHER : No data available

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY : Oral : rat LD₅₀ ≥ 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 MINERAL OIL : IARC group3
 BASE OIL : IARC, OSHA, NTP, EU, EPA, ACGIH Not established
 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

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

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.

15. REGULATORY INFORMATION

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.