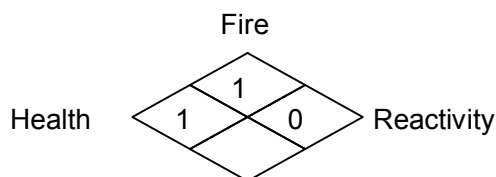


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MATERIAL SAFETY DATA SHEET

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NFPA HAZARD RATING

- 4 -- Extreme
- 3 -- Height
- 2 -- Moderate
- 1 -- Slight
- 0 -- Insignificant

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : MULTEMP ET-R

COMPANY NAME : KYODO YUSHI CO., LTD.  
2-2-30, TSUJIDO KANDAI, FUJISAWA-SHI, KANAGAWA, JAPAN

EMERGENCY TELEPHONE NUMBER : +81 - 466 - 33 - 3157

2 COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL FAMILY : Lubricating Grease.

FORMULA : not applicable

COMPONENTS :

NAME	CONTENTS (%)
Base oil (Synthetic ether oil)	80 - 90
Thickener (Urea derivatives)	5 - 15
Additives (Containing zinc compound)	<10

HAZARDOUS INGREDIENTS

NAME	CAS No.	CONTENTS (%)
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See Section 8 for exposure limits (if applicable)

3 HAZARDOUS IDENTIFICATION

CLASS NAME OF HAZARDOUS CHEMICALS FOR SDS IN JAPAN Not applicable

- PHYSICAL AND CHEMICAL HAZARDS : Not applicable
- ADVERSE HUMAN HEALTH EFFECTS :Prolonged and repeated contact may cause skin irritation.
- ENVIRONMENTAL EFFECTS : No data available.



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8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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CONTROL PARAMETERS : none

ENGINEERING MEASURES : none

PERSONAL PROTECTIVE EQUIPMENT :

- RESPIRATORY PROTECTION : Wear a gas mask (for organic gas), if necessary.
- EYE PROTECTION : Chemical safety goggles and if handled hot, full face shield.
- HAND AND BODY PROTECTION : Protective gloves, rubber or plastic oil resistant.
- OTHER PROTECTIVE EQUIPMENT : none

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9 PHYSICAL AND CHEMICAL PROPERTIES

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- |   |             |                        |                |
|---|-------------|------------------------|----------------|
| • FORM                                  | Semi-solid  | • ODOR                 | : Slight odor. |
| • COLOR                                 | Light brown | • VAPOR DENSITY(AIR=1) | : N/A          |
| • VAPOR PRESSURE                        | N/A         | • EVAPORATION RATE     | : Slower       |
| • SPECIFIC GRAVITY(H <sub>2</sub> O=1): | 0.91        | (n-Butyl Acetate=1)    |                |
| • SOLUBILITY IN WATER                   | Negligible  | • FREEZING POINT       | : N/A          |
| • SOLUBILITY IN ----                    | : N/A       | • VISCOSITY            | : N/A          |
| • PH                                    | : N/A       |                        |                |
| • BOILING POINT                         | : N/A       |                        |                |
| • MELTING POINT(Dropping Point)         | : 260< °C   |                        |                |
- \* N/A : Not applicable.

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10 STABILITY AND REACTIVITY

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- STABILITY : (CONDITION TO AVOID) Product is stable under normal condition. Avoid over heating.
- INCOMPATIBILITY : ( SPECIFIC MATERIALS TO AVOID) Strong oxidizers such as hydrogen peroxide, bromine, and chromic acid.
- HAZARDOUS DECOMPOSITION PRODUCTS : Oxide of nitrogen, zinc.
- HAZARDOUS POLYMERIZATION : none
- REACTIVITY WITH WATER : none

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11 TOXICOLOGICAL INFORMATION

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- CORROSIVE AND IRRITANT PROPERTIES : No data available
- ALLERGENIC AND SENSITIZING EFFECTS : No data available
- ACUTE TOXICITY : No data available
- SUB-CHRONIC TOXICITY : No data available
- CHRONIC TOXICITY : Prolonged and repeated skin contact may cause irritation.
- CARCINOGENIC EFFECT : Not listed IARC,NTP,ACGIH.
- MUTAGENIC EFFECTS : No data available
- EFFECTS ON THE REPRODUCTIVE SYSTEM : No data available
- TERATOGENIC EFFECTS : No data available

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1 2 ECOLOGICAL INFORMATION

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- BIODEGRABILITY : No data available
- BIOACCUMULATION : No data available
- FISH TOXICITY : No data available

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1 3 DISPOSAL CONSIDERATION

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WASTE DISPOSAL METHOD : Incinerate in accordance with applicable regulation.

ATTENTION : Do not use pressure to empty this container. When empty, container may have vapor or product residue. Do not cut, puncture or weld on near the drum.

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1 4 TRANSPORT INFORMATION

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DOT : Not applicable  
UN No. : Not applicable  
FIRE SERVICE LAW (JAPAN) : Not applicable  
LAND(RID/ADR): Not regulated for rail/road transport  
SEA(IMO/IMDG): Not regulated for sea transport  
AIR(ICAO/IATA): Not regulated for air transport

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1 5 REGULATORY INFORMATION

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Regulatory information with regard to this product in your country or your region should be examined by your own responsibility.

US TSCA (Toxic Substances Control Act):

All components of this product are listed on the TSCA inventory of Chemical Substances.

US OSHA (Occupational Safety and Health Act):

This product is not hazardous according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

US CERCLA (Comprehensive Environmental Release, Compensation & Liability Act):

Zinc compounds (0.3 – 0.7%) no RQ is assigned to this generic or broad class.

US SARA (Superfund Amendment & Reauthorization Act ) Title III:

This product contains no Extremely Hazardous Substances.

SARA Hazard Categories (311/312): None

SARA Toxic Release Inventory (TRI) (313): Zinc compounds (0.3 – 0.7%)

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1 6 OTHER INFORMATION

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INFORMATION CONTACT : KYODO YUSHI CO., LTD.  
International Business Dept.  
2-2-30, TSUJIDO KANDAI, FUJISAWA-SHI, KANAGAWA, JAPAN  
Tel +81 - 466 - 33 - 3157

REFERENCE : CMA Interim Guideline for the Preparation of MSDS.  
Chapter 7 : MSDS Examples.  
ACGIH Threshold Limit Values for Chemical Substances in the Work Environment.  
(2007)

ORIGINAL DATE : 99/ 3 / 18,  
REVISION DATE : 2014/ 6 / 15,

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This MSDS is an addition and complementary document beside the technical data sheet.  
The information is based upon our knowledge about the product at the date of edition.  
Since we cannot anticipate or control the different conditions under which these information  
or our product may be used, we make no guarantee that recommendations will be adequate for all  
individuals and situations.