

Sumiplex MP No.2	MSDS No.	2842
SUMICO LUBRICANT CO., LTD.	Revision Date	Oct. 01, 2010

MATERIAL SAFETY DATA SHEET

1 PRODUCT AND COMPANY IDENTIFICATION

Product Name : Sumiplex MP No.2
 Company Name : SUMICO LUBRICANT CO., LTD.
 Address : Shinjuku Nomura Bldg., 1-26-2, Nishishinjuku, Shinjuku-ku, Tokyo, 163-0575, Japan
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2 HAZARDS IDENTIFICATION

Hazards Category

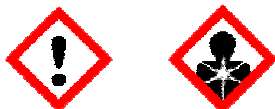
Acute Toxicity(Oral) : Category 4
 Acute Toxicity(Dermal) : Category 5
 Respiratory/Skin Sensitizer : Category 1
 Specific Target Organ Systemic Toxicity(Single Exposure) : Category 1
 Specific target organ systemic toxicity(Repeated exposure) : Category 2
 Hazardous to The Aquatic Environment(Acute) : Category 3
 Hazardous to The Aquatic Environment(Chronic) : Category 3

The one without the description cannot be classified.

Allocation of Label Elements

Pictogram

Exclamation mark
Health Hazard



Signal Word

Danger

Hazard Statement

Harmful if swallowed
 May be harmful in contact with skin
 May cause an allergic skin reaction
 Cause damage to organs
 May causes damage to organs through prolonged or repeated exposure
 Harmful to aquatic life
 Harmful to aquatic life with long lasting effects

3 COMPOSITION/INFOTMATION ON INGREDIENTS

Ingredients and Contents

Component name	CAS number	wt%
2,6-Di-tert-butyl-p-cresol	128-37-0	1~5
Lithium complex soap	Trade secret	10~20
Mineral oil	Trade secret	80~90
Lubricating additives	Trade secret	1~5
Organomolybdenum compound	Trade secret	1~5

4 FIRST-AID MEASURES

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 Call a physician if you feel unwell.

Skin

Wash with plenty of soap and water.
 Call a physician if you feel unwell.

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Eye

Immediately flush eyes with plenty of water for at least 15 minutes.
Call a physician.

Ingestion

Rinse mouth. Do not induce vomiting.
Call a physician.

5 FIRE-FIGHTING MEASURES**Extinguishing Media**

Dry chemical, carbon dioxide(CO₂), and foam

Specific Fire Fighting

On small fires use carbon dioxide (CO₂) or dry chemical.
On large fires use dry chemical or foam.
Do not approach containers suspected to be hot.
May emit poisonous fumes or corrosive fumes.

Protection for Fire-fighter

Wear full body protective clothing with breathing apparatus.

6 ACCIDENTAL RELEASE MEASURES**Personal Precautions**

Ventilate well indoor until disposal is finished.
Wear protective equipments in case of operation.

Environmental Precautions

Avoid release to the environment.

Methods for Cleaning Up

Remove potential ignition source in vicinity as soon as possible.
Prepare extinguishing agent.
Prevent leakage by enclosing with nonflammables and collect into empty container by scoop or the like.

7 HANDLING AND STORAGE**Handling**

Do not breathe vapor or mist.
Do not get in eyes, on skin, or on clothing.
Wear protective equipments when risk of exposure occurs.
Use in a well ventilated area.
Use spark-proof tools and explosion-proof equipment.
Keep away from heat, spark and flames.
Fire prohibited strictly.
After handling, wash well hands and face and rinse your mouth.
Do not eat, drink or smoke during work.
Avoid physical damage to containers.
Keep containers securely sealed when not in use.

Storage

Fire prohibited strictly.
Keep away from sources of ignition.
Store in a tightly closed container.
Store in a cool, dry, well-ventilated area away from incompatible substances.
Separate from oxidizing materials.
Store in a tightly closed container.

8 EXPOSURE/PERSONAL PROTECTION**Engineering Controls**

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.
Ventilation fans and other electrical service must be non-sparking and have an explosion-proof design.

Exposure Limit Values

Chemical name	ACGIH
2,6-Di-tert-butyl-p-cresol	TWA 2mg/m ³

Lithium complex soap	Not Established
Mineral oil	TWA 5mg/m3(mist)
Lubricating additives	Not Established
Organomolybdenum compound	Not Established

Personal Protective Equipment

Respiratory Protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Skin Protection

Wear chemical protective gloves and protective clothing to prevent skin exposure.

Eye Protection

Wear chemical worker's goggles.

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State	:	Semi-solid	
Color	:	Yellow	
Odour	:	Oil odor	
pH	:	Not available	
Boiling Point(°C)	:	Not available	
Melting Point(°C)	:	Not available	
Flash point(°C)	:	200	(Base oil)
Auto-ignition Temperature(°C)	:	Not available	
Flammability or Explosive Limits			
Lower	:	Not available	
Upper	:	Not available	
Vapour Pressure (KPa)	:	Not available	
Vapour Density	:	Not available	
Relative density(g/cm ³)	:	0.91	
Solubility	:	Insoluble in water	
Partition Coefficient: n-octanol/water	:	Not available	
Decomposition Temperature(°C)	:	Not available	

10 STABILITY AND REACTIVITY

Stability

Stable under normal temperatures and pressures.

Conditions to Avoid

Heat, flames, ignition sources and incompatibles.

Incompatible Materials

Strong oxidizing agents, acids, alkalies.

Hazardous Decomposition Products

Carbon monoxide, carbon dioxide and other oxidized substances.

11 TOXICOLOGICAL INFORMATION

Chemical name	Acute toxicity (oral)	Acute toxicity (dermal)	Acute toxicity (inhalation: gas)	Acute toxicity (inhalation: vapour)	Acute toxicity (inhalation: dust, mist)	Skin corrosion / irritation	Serious eye damage / eye irritation
2,6-Di-tert-butyl-p-cresol	Category 4	Category 5	Not applicable	Classification not possible	Classification not possible	Category 3	Category 2B
Lithium complex soap	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible
Mineral oil	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible

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Lubricating additives	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible
Organomolybdenum compound	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible

Chemical name	Respiratory/skin sensitizer	Germ cell mutagenicity	Carcinogenicity	Toxic to reproduction	Specific target organs/systemic toxicity following single exposure	Specific target organs/systemic toxicity following repeated exposure	Aspiration hazard
2,6-Di-tert-butyl-p-cresol	Respiratory sensitization: Not classified; Skin sensitization: Category 1	Not classified	Not classified	Not classified	Category 1 (nervous system)	Category 2 (lung, liver, thyroid gland)	Classification not possible
Lithium complex soap	Respiratory sensitizer: Classification not possible; Skin sensitizer: Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible
Mineral oil	Respiratory sensitizer: Classification not possible; Skin sensitizer: Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible
Lubricating additives	Respiratory sensitizer: Classification not possible; Skin sensitizer: Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible
Organomolybdenum compound	Respiratory sensitizer: Classification not possible; Skin sensitizer: Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible

12 ECOLOGICAL INFORMATION

Chemical name	Hazardous to the aquatic environment (Acute)	Hazardous to the aquatic environment (Chronic)
2,6-Di-tert-butyl-p-cresol	Category 1	Category 1

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Lithium complex soap	Classification not possible	Classification not possible
Mineral oil	Classification not possible	Classification not possible
Lubricating additives	Classification not possible	Classification not possible
Organomolybdenum compound	Classification not possible	Classification not possible

13 DISPOSAL CONSIDERATIONS

Dispose of contents /container in accordance with local/regional/national/international regulations.

14 TRANSPORT INFORMATION

UN Class

Not determined.

UN No.

Not determined.

Packing Group

Not determined.

15 REGULATORY INFORMATION

Follow all regulations in your country.

16 OTHER INFORMATION

References

JIS Z 7250

GHS data-base (NITE)

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.