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Japan / English

**1. PRODUCT AND COMPANY IDENTIFICATION****Product identifier**

**Product Name** AutoMet Lapping Oil  
**Product Code(s)** 60-3250-006, 60-3250-128  
**(M)SDS Number** 1341520\_J

**Other means of identification**

**Synonyms** No information available  
**Registration Number(s)** No information available

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Laboratory Use Only  
**Uses advised against** No information available

**Details of the supplier of the safety data sheet**

**Manufacturer** Buehler  
**Manufacturer Address** Loop-X 6th Floor 3-9-15  
kaigan Minato-ku, Tokoyo 108-0022  
www.buehler.com/Japan  
**Phone number** +81 (0)3 5439 5077  
**E-mail Address** info.japan@buehler.com  
**Legal Entity** ITW Japan KK  
**Legal Entity Address** 1-4-4, Kitasuna, Koto-ku, Tokyo

**Emergency telephone number**

Global Access Code: 334545  
Europe: +1 760 476 3961 Americas: +1 760 476 3962  
Middle East/Africa: +1 760 476 3959 Asia Pacific: +1 760 476 3960  
UK: +44 8 08 189 0979

**2. HAZARDS IDENTIFICATION****GHS Classification**

|                          |             |
|--------------------------|-------------|
| Carcinogenicity          | Category 1B |
| Acute aquatic toxicity   | Category 3  |
| Chronic aquatic toxicity | Category 3  |

**Label elements****Signal word****Danger****Hazard statements**

H350 - May cause cancer

H412 - Harmful to aquatic life with long lasting effects

**Precautionary Statements - Prevention**

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Wear protective gloves/protective clothing/eye protection/face protection

Avoid release to the environment

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other hazards**

Not applicable

|  |
|--|
| <b>3. COMPOSITION/INFORMATION ON INGREDIENTS</b> |
|--|

**Substance**

Not applicable

**Mixture**

| Chemical name  | Weight-%  | ENCS - Japan Existing and New Chemical Substances | ISHL No.                 | CAS-No     |
|--|-----------|---|--------------------------|------------|
| Petroleum distillates, hydrotreated middle           | 50 - 100% | No information available                          | No information available | 64742-46-7 |
| Petroleum distillates, hydrotreated heavy paraffinic | 0 - 50%   | (9)-1692  | Present                  | 64742-54-7 |
| Methyl oleate  | 0 - 10%   | (2)-798,(2)-977                                   | Present                  | 112-62-9   |

**Pollutant Release and Transfer Registry (PRTR)**

Not applicable.

**Industrial Safety and Health Law**

ISHL Notifiable Substances - information (safety data sheet) to be supplied; Industrial Safety and Health Law enforcement order Table 9 (related to Industrial Safety and Health Law article 57-2 and ISHL Ordinance Article 34-2-4)

| Chemical name  | ISHL Notifiable Substances | Threshold Values (%) |
|--|----------------------------|----------------------|
| Petroleum distillates, hydrotreated heavy paraffinic<br>64742-54-7 | ISHL Notifiable Substances | 0.1                  |

Poisonous and Deleterious Substances Control Law Not applicable

#### 4. FIRST AID MEASURES

##### First aid measures

|                           |  |
|---------------------------|--|
| <b>General advice</b>     | IF exposed or concerned: Get medical advice/attention.   |
| <b>Inhalation</b>         | Remove to fresh air.   |
| <b>Eye contact</b>        | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| <b>Skin contact</b>       | Wash skin with soap and water.   |
| <b>Ingestion</b>          | Clean mouth with water and drink afterwards plenty of water.   |
| <b>Symptoms</b>           | No information available.  |
| <b>Note to physicians</b> | Treat symptomatically.   |

#### 5. FIRE-FIGHTING MEASURES

|   |  |
|---|--|
| <b>Flammable Properties</b>                           | Not flammable.   |
| <b>Suitable Extinguishing Media</b>                   | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.                            |
| <b>Unsuitable extinguishing media</b>                 | No information available.  |
| <b>Specific hazards arising from the chemical</b>     | No information available.  |
| <b>Special Extinguishing Media</b>                    | Cool drums with water spray.   |
| <b>Special protective equipment for fire-fighters</b> | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |

#### 6. ACCIDENTAL RELEASE MEASURES

|  |   |
|--|---|
| <b>Personal precautions</b>            | Ensure adequate ventilation.  |
| <b>Other Information</b>               | Refer to protective measures listed in Sections 7 and 8.  |
| <b>For emergency responders</b>        | Use personal protection recommended in Section 8.   |
| <b>Environmental precautions</b>       | See Section 12 for additional Ecological Information.   |
| <b>Methods for containment</b>         | Prevent further leakage or spillage if safe to do so.   |
| <b>Methods for cleaning up</b>         | Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. |
| <b>Prevention of secondary hazards</b> | Clean contaminated objects and areas thoroughly observing environmental regulations.                |
| <b>Reference to other sections</b>     | See section 8 for more information. See section 13 for more information.                            |

**7. HANDLING AND STORAGE**

**Handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing.

**Storage**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**General hygiene considerations** Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure guidelines**

| Chemical name   | Japan | ISHL Working Environmental Evaluation Standards - Administrative Control Levels | ACGIH TLV   |
|---|-------|---|---|
| Petroleum distillates, hydrotreated heavy paraffinic 64742-54-7 | -     | -   | TWA: 5 mg/m <sup>3</sup> , as oil mist, mineral<br>STEL: TWA: 10 mg/m <sup>3</sup> , as oil mist, mineral |

**Biological occupational exposure limits** Not applicable

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

**Personal protective equipment**

**Eye/face protection** No special protective equipment required.

**Skin and body protection** Wear suitable protective clothing.

**Hand protection** Wear suitable gloves.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Environmental exposure controls** No information available.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical and Chemical Properties**

**Physical state** Liquid  
**Appearance** Green  
**Odor** Oily  
**Color** No information available  
**Odor Threshold** No information available

| Property                      | Values            | Remarks Method |
|-------------------------------|-------------------|----------------|
| pH                            | No data available |                |
| Melting / freezing point      | No data available | None known     |
| Boiling point / boiling range | No data available | None known     |

|  |                          |            |
|--|--------------------------|------------|
| Flash Point                            | 128.889 C                |            |
| Evaporation Rate                       | No data available        | None known |
| Flammability (solid, gas)              | No data available        | None known |
| Flammability Limit in Air              |                          | None known |
| Upper flammability limit               | No data available        |            |
| Lower flammability limit               | No data available        |            |
| Vapor pressure                         | No data available        | None known |
| Vapor density                          | No data available        | None known |
| Relative density                       | 0.842                    |            |
| Water Solubility                       | Insoluble in water       |            |
| Solubility(ies)                        | No data available        | None known |
| Partition coefficient: n-octanol/water | No data available        | None known |
| Autoignition temperature               | No data available        | None known |
| Decomposition temperature              | No data available        | None known |
| Kinematic viscosity                    | No data available        | None known |
| Viscosity                              | No data available        | None known |
| Explosive properties                   | No information available |            |
| Oxidizing properties                   | No information available |            |
| <b>Other Information</b>               |                          |            |
| Softening Point                        | No information available |            |
| Molecular Weight                       | No information available |            |
| VOC Content (%)                        | No information available |            |
| Liquid Density                         | No information available |            |
| Bulk Density                           | No information available |            |
| Particle Size                          | No information available |            |
| Particle Size Distribution             | No information available |            |

## 10. STABILITY AND REACTIVITY

|                                    |   |
|------------------------------------|---|
| Reactivity                         | No information available.                 |
| Stability                          | Stable under normal conditions.           |
| Explosion Data                     |   |
| Sensitivity to Mechanical Impact   | None                                      |
| Sensitivity to Static Discharge    | None                                      |
| Possibility of hazardous reactions | None under normal processing.             |
| Incompatible materials             | None known based on information supplied. |
| Hazardous Decomposition Products   | None known based on information supplied. |

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

#### Product Information

|              |   |
|--------------|---|
| Inhalation   | Specific test data for the substance or mixture is not available. |
| Eye contact  | Specific test data for the substance or mixture is not available. |
| Skin contact | Specific test data for the substance or mixture is not available. |
| Ingestion    | Specific test data for the substance or mixture is not available. |
| Symptoms     | No information available.   |

**Numerical measures of toxicity - Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 12,333.30 mg/kg

**Unknown acute toxicity**

- 5 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
- 65 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- 100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
- 100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
- 100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

**Numerical measures of toxicity - Component Information**

| Chemical name  | LD50 Oral            | LD50 Dermal             | Inhalation LC50        |
|--|----------------------|-------------------------|------------------------|
| Petroleum distillates, hydrotreated middle<br>64742-46-7           | = 7400 mg/kg ( Rat ) | > 2000 mg/kg ( Rabbit ) | = 4.6 mg/L ( Rat ) 4 h |
| Petroleum distillates, hydrotreated heavy paraffinic<br>64742-54-7 | > 15 g/kg ( Rat )    | > 5000 mg/kg ( Rabbit ) |                        |
| Methyl oleate<br>112-62-9  | > 2000 mg/kg ( Rat ) | > 5000 mg/kg ( Rabbit ) |                        |

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

|  |   |
|--|---|
| <b>Skin corrosion/irritation</b>         | No information available.   |
| <b>Serious eye damage/eye irritation</b> | No information available.   |
| <b>Respiratory or skin sensitization</b> | No information available.   |
| <b>Germ cell mutagenicity</b>            | No information available.   |
| <b>Carcinogenicity</b>                   | Contains a known or suspected carcinogen. Classification based on data available for ingredients. |

The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical name  | Carcinogenicity | IARC    |
|--|-----------------|---------|
| Petroleum distillates, hydrotreated heavy paraffinic<br>64742-54-7 |                 | Group 1 |

**Legend:**

- IARC (International Agency for Research on Cancer)
- Group 1 - Carcinogenic to Humans

|                                 |  |
|---------------------------------|--|
| <b>STOT - single exposure</b>   | No information available.                                    |
| <b>STOT - repeated exposure</b> | No information available.                                    |
| <b>Target Organ Effects</b>     | Respiratory system. Eyes. Skin. Gastrointestinal tract (GI). |
| <b>Aspiration hazard</b>        | No information available.                                    |

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

**Percentage for unknown hazards** 0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment.

**Ecotoxicity** Harmful to aquatic life with long lasting effects. .

| Chemical name  | Toxicity to Algae | Toxicity to Fish  | Toxicity to Microorganisms | Daphnia Magna (Water Flea) |
|--|-------------------|---|----------------------------|----------------------------|
| Petroleum distillates, hydrotreated middle           |                   | 96h LC50: = 35 mg/L (Pimephales promelas)<br>96h LC50: > 10000 mg/L (Pimephales promelas) | -                          |                            |
| Petroleum distillates, hydrotreated heavy paraffinic |                   | 96h LC50: > 5000 mg/L (Oncorhynchus mykiss)   | -                          | 48h EC50: > 1000 mg/L      |

**Persistence and Degradability** No information available.

**Bioaccumulation** There is no data for this product.

**Mobility in soil** No information available.

**Mobility** No information available.

**Other adverse effects** No information available.

### 13. DISPOSAL CONSIDERATIONS

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** Do not reuse empty containers.

### 14. TRANSPORT INFORMATION

**IMDG** NOT REGULATED

**ADR** NOT REGULATED

**IATA** NOT REGULATED  
**Proper Shipping Name** NON REGULATED

**Japan**  
**Hazard Class** N/A

### 15. REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**National Regulations**

**Japan**

**Pollutant Release and Transfer Registry (PRTR)**

Not applicable

**Industrial Safety and Health Law****Harmful Substances Whose Names Are to be Indicated on the Label**

Harmful Substances - names to be indicated on the label; Industrial Safety and Health Law enforcement order Table 9 (related to Industrial Safety and Health Law article 57 and ISHL Ordinance Article 33)

**ISHL Notifiable Substances**

ISHL Notifiable Substances - information (safety data sheet) to be supplied; Industrial Safety and Health Law enforcement order Table 9 (related to Industrial Safety and Health Law article 57-2 and ISHL Ordinance Article 34-2-4)

**Fire Service Law:**

Verify that requirements related to using, handling, and storing substances subject to prohibition, authorization or restriction are met

Flammable liquids, group 4, 3rd class petroleums, water-insoluble, hazard rank III, 2000 liters

**Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (CSCL)**

Not applicable

**International Regulations****Ozone-depleting substances (ODS)** Not applicable**Persistent Organic Pollutants** Not applicable**Export Notification requirements** Not applicable**International Inventories**

|                      |   |
|----------------------|---|
| <b>TSCA</b>          | Contact supplier for inventory compliance status. |
| <b>DSL/NDSL</b>      | Contact supplier for inventory compliance status. |
| <b>EINECS/ELINCS</b> | Contact supplier for inventory compliance status. |
| <b>ENCS</b>          | Contact supplier for inventory compliance status. |
| <b>KECL</b>          | Contact supplier for inventory compliance status. |
| <b>PICCS</b>         | Contact supplier for inventory compliance status. |
| <b>AICS</b>          | Contact supplier for inventory compliance status. |

**Legend****TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**ENCS** - Japan Existing and New Chemical Substances**KECL** - Korean Existing and Evaluated Chemical Substances**PICCS** - Philippines Inventory of Chemicals and Chemical Substances**AICS** - Australian Inventory of Chemical Substances**16. OTHER INFORMATION**

|                      |  |
|----------------------|--|
| <b>Prepared By</b>   | Product Stewardship<br>23 British American Blvd.<br>Latham, NY 12110<br>1-800-572-6501 |
| <b>Issuing Date</b>  | 01-Mar-2017  |
| <b>Revision Date</b> | 08-Nov-2018  |
| <b>Revision Note</b> | No information available   |



**Key or legend to abbreviations and acronyms used in the safety data sheet****Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

|         |                             |      |                                  |
|---------|-----------------------------|------|----------------------------------|
| TWA     | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value         | -    | Skin designation                 |
| C       | Carcinogen                  |      |                                  |

**Disclaimer**

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**End of Safety Data Sheet**