

**MATERIAL SAFETY DATA SHEET**

MSDS No. 7948

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Version No. 1.0

**FD α 15W-40****1. PRODUCT AND COMPANY IDENTIFICATION**

Product Name : FD α 15W-40  
 Company Name : ALPHA'S CO., LTD.  
 Address : 744-2 Iwase, Wakayama-shi, Wakayama 640-8301 Japan  
 Phone Number : +81-73-473-2217  
 Fax Number : +81-73-473-2218  
 Email Address : tech@alphas-jp.com

**2. HAZARDS IDENTIFICATION**

Hazards Category  
 Classification not possible

Allocation of Label Elements  
 Pictogram  
 Classification not possible

Signal Word  
 Classification not possible

Hazard Statement  
 Classification not possible

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredients and Components

Component Name	CAS Number	Wt%
Mineral Oil	Trade Secret	80 - 90
Lubricating Additives	Trade Secret	10 - 20

**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.

Eye

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

Ingestion

Rise mouth. Do not induce vomiting.  
 Call a physician

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## 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

Dry chemical, carbon dioxide (CO<sub>2</sub>), and foam

### Specific Fire Fighting

On small fires, use carbon dioxide (CO<sub>2</sub>) 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.

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## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions

Ventilate well indoor until disposal is finished.

Wear protective equipment 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.

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## 7. HANDLING AND STORAGE

### Handling

DO NOT breath vapor or mist.

DO NOT get in eyes, on skin, or on clothing.

Wear protective equipment 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 cool, dry, well-ventilated area away from incompatible substances.

Separate from oxidizing materials.

Store in a tightly closed container.

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## 8. EXPOSURE / PERSONAL PROTECTION

### Engineering Controls

Facilities storing or utilizing this materials 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 device must be non-sparking and have an explosion-proof design.

### Exposure Limit Values

Chemical Name	ACGIH
Mineral Oil	TWA 5 mg/m <sup>3</sup> (mist)
Lubricating Additives	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	:	Liquid
Color	:	Brown
Odor	:	Oil odor
pH	:	Not available
Boiling Point (°C)	:	Not available
Melting Point (°C)	:	Not available
Flash Point (°C)	:	200
Auto-ignition Temperature (°C)	:	Not available
Flammability or Explosive Limits		
Lower	:	Not available
Upper	:	Not available
Vapor Pressure (Kpa)	:	Not available
Vapor Density	:	Not available
Relative Density (g/cm <sup>3</sup> )	:	0.88
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 and alkalis.

**Hazardous Decomposition Products**

Carbon monoxide, carbon dioxide and other oxidized substances.

**11. TOXICOLOGICAL INFORMATION**

Chemical Name	Acute toxicity					Skin corrosion/irritation	Serious eye damage/irritation
	Oral	Dermal	inhalation:				
			gas	vapor	dust, mist		
Mineral Oil	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible	Classification not possible
Lubricating Additives	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
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

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## 12. ECOLOGICAL INFORMATION

Chemical Name	Hazardous to the aquatic environment	
	Acute	Chronic
Mineral Oil	Classification not possible	Classification not possible
Lubricating Additives	Classification not possible	Classification not possible

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## 13. DISPOSAL CONSIDERATIONS

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

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#### 14. TRANSPORT INFORMATION

UN Class

Not determined.

UN No.

Not determined.

Packing Group

Not determined.

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#### 15. REGULATORY INFORMATION

Follow all regulations in your country.

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#### 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.