

# WHITEBEAR GREASE

## Greases for food machines

**WHITEBEAR GREASE** is comprised of an aluminum complex thickener and food grade white oils containing specially-blended additives. All ingredients of the **WHITEBEAR GREASE** meet Section 178-3570 of the US Food and Drug Administration regulations. **WHITEBEAR GREASE** is designed to lubricate food machinery and canning equipment, especially where incidental contact with the food may occur. **WHITEBEAR GREASE**, which is approved as NSF H-1, is high performance, multipurpose product that is white in color, odorless and water-resistant.

### ● SPECIAL FEATURES

#### 1. Excellent anti-wear performance

**WHITEBEAR GREASE** provides good wear protection to help prolong machinery life.

#### 2. Good Rust Protection and Water Resistance.

**WHITEBEAR GREASE** has excellent water resistance, so its penetration changes very little even when water becomes mixed with the grease. It also provides superior rust protection under steam atmosphere conditions.

#### 3. Excellent Thermal Stability

**WHITEBEAR GREASE**, which is formulated with aluminum complex thickener, has high dropping point and can withstand higher temperatures. This grease can be used in a very wide temperature range, from -20°C to 160°C.

#### 4. Excellent Pumpability

**WHITEBEAR GREASE 0** has little pipe resistance, so it offers smooth feeding for centralized lubrication systems.

### ● APPLICATION

Designed to lubricate food machinery and canning equipment, especially where incidental contact with the food may occur.

### ● CAUTION

FDA requires that H1 lubricants with incidental food contact should not contaminate food at levels greater than 10 ppm.

### ● CONTAINERS

16kg cans

### ● Typical Properties of **WHITEBEAR GREASE**

Grade	0	1	2
Appearance	White buttery	White buttery	White buttery
Penetration(Worked 60 strokes)	379	324	289
Dropping point, °C	242	244	245
Oil separation(100°C,24h), mass%	8.6	3.2	0.3
Copper corrosion(100°C,24h)	No color change	No color change	No color change
High speed four ball test Weld load, N	4900	4900	4900
Corrosion preventive property EMCOR test : artifactual water	#0(no corrosion)	#0(no corrosion)	#0(no corrosion)
Water washing resistance (38°C,1h) , mass%	8.0	5.8	3.9

Note: The typical properties may be changed without notice. (November 2011)



## Handling Precautions

▼ Follow these precautions when handling this product.

<b>! CAUTION</b>  <b>Handling Precautions</b>	<ul style="list-style-type: none"><li>● <u>Inflammation can occur if grease enters the eyes.</u> When handling this grease, wear <u>protective goggles</u> or take other measures to <u>prevent eye contact</u>.</li><li>● <u>Inflammation can occur if grease comes into contact with skin.</u> When handling this grease, wear <u>protective gloves</u> or take other measures to <u>prevent skin contact</u>.</li><li>● Do not eat this grease. (Swallowing this grease can cause diarrhea and nausea.)</li><li>● <u>When opening the container, wear protective gloves</u> in order to avoid cutting your hands.</li><li>● <u>Keep out of reach of children.</u></li><li>● Read the Material Safety Data Sheet (MSDS) for this product before using the product. Obtain the Material Safety Data Sheet from where you purchased the product.</li></ul>
<b>First Aid</b>	<ul style="list-style-type: none"><li>● In case of eye contact, rinse eyes thoroughly with clean water and consult with a physician.</li><li>● In case of skin contact, wash skin thoroughly with soap and water.</li><li>● If this grease is swallowed, do not induce vomiting. Consult with a physician immediately.</li></ul>
<b>Disposal of Used Grease and Containers</b>	<ul style="list-style-type: none"><li>● Do not apply pressure to empty containers. The containers may burst if pressure is applied.</li><li>● Do not weld, heat, drill, or cut the containers. The remaining grease may ignite and the containers may explode.</li><li>● Follow all applicable laws and regulations when disposing of used grease or containers. If you are unsure of the proper disposal methods, consult first with the seller of the grease.</li></ul>
<b>Storage Method</b>	Seal the container tightly after use in order to prevent dirt, moisture, etc., from entering the grease. Store in a dark location. Avoid direct sunlight.