

# 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 can, Grades 1&2: 400 g bellows-type tube (20 pcs.)

### ● 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
Approx. operating temperature range, °C	-20 to 160		

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



## Handling Precautions

▼ Follow these precautions when handling this product.

<b>Composition :</b>	Base Oil, Thickener, Additives
<b>Precautionary pictograms:</b>	
<b>Signal word:</b>	Warning
<b>Hazard Statement:</b>	May cause allergic skin reaction Suspected of damaging fertility or the unborn child Toxic to aquatic life Toxic to aquatic life with long lasting effects
<b>Precautionary Statements:</b>	
<b>Prevention</b>	<ul style="list-style-type: none"><li>• Do not handle until all safety precautions have been read and understood.</li><li>• Wear protective gloves/protective clothing/eye protection/face protection.</li><li>• Do not allow the eyes to become exposed to the product. Do not swallow the product.</li><li>• Contaminated work clothing should not be allowed out of the workplace.</li><li>• Obtain special instructions before use.</li><li>• Avoid breathing dust/fume/gas/mist/vapours/spray.</li><li>• Wash hands thoroughly after handling.</li><li>• Do not eat, drink or smoke when using this product.</li></ul>
<b>Response</b>	<ul style="list-style-type: none"><li>• IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.</li><li>• IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</li><li>• If the eyes are exposed to the product: Rinse the eyes with plenty of running water and immediately contact a physician.</li><li>• IF ON SKIN: Wash with plenty of soap and water.</li><li>• IF exposed or concerned: Get medical advice/attention.</li><li>• Avoid release to the environment.</li><li>• Take off contaminated clothing and wash before reuse.</li><li>• If skin irritation or a rash occurs: Get medical advice/attention.</li><li>• Collect spillage.</li></ul>
<b>Storage</b>	<ul style="list-style-type: none"><li>• The product must be stored in a cool, well-ventilated location where it will not be exposed to direct sunlight.</li><li>• Containers that have been opened must be tightly sealed.</li><li>• Store locked up.</li></ul>
<b>Disposal</b>	<ul style="list-style-type: none"><li>• Dispose of contents/container in accordance with local/regional/national/international regulations.</li><li>• If there are any doubts about proper methods of handling the product, contact the point of purchase before proceeding with usage.</li></ul>