



We deliver the promise of dairy.

## MATERIAL SAFETY DATA SHEET

REQUIRED UNDER USDL SAFETY AND HEALTH REGULATIONS FOR SHIP REPAIRING, SHIPBUILDING, AND SHIPBREAKING (29CFR 1915-16-17)

### SECTION I

Manufacturer's Name <b>Hilmar Ingredients</b>	Emergency Telephone No. <b>(209) 667-6076</b>
Address <b>9001 N Lander Ave Hilmar, CA 95324 USA</b>	

Issued: **7-11-2008**  
Supercedes: **3-29-2006**

PART CODE	CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS
200090		<b>Hilmar<sup>TM</sup> 8380 Whey Protein Hydrolysate</b>
CHEMICAL FAMILY		FORMULA
<b>Protein</b>		

### SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Units)
<b>NOT APPLICABLE</b>		

### SECTION III - PHYSICAL DATA

BOILING POINT (°F. UNLESS OTHERWISE SPECIFIED.) <b>NOT APPLICABLE</b>	SPECIFIC GRAVITY (H <sub>2</sub> O = 1) <b>NOT APPLICABLE</b>
VAPOR PRESSURE (MM HG.) <b>NOT APPLICABLE</b>	PERCENT VOLATILE BY VOLUME (%) <b>0</b>
SOLUBILITY IN WATER <b>Soluble</b>	EVAPORATION RATE <b>NOT APPLICABLE</b>
APPEARANCE AND ODOR  <b>An off-white to cream colored powder with slight dairy odor</b>	

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (°F. UNLESS OTHERWISE SPECIFIED.) <b>NOT APPLICABLE</b>	METHOD USED	FLAMMABLE LIMITS <b>NOT APPLICABLE</b>	LEL	UEL
EXTINGUISHING MEDIA <b>Carbon Dioxide, Dry Chemicals</b>				
SPECIAL FIRE FIGHTING PROCEDURES <b>NOT APPLICABLE</b>				
UNUSUAL FIRE AND EXPLOSION HAZARDS <b>As with any organic dust, may be explosive if mixed with air in critical proportions. Maintain normal good housekeeping.</b>				

**SECTION V - HEALTH HAZARD DATA**

THRESHOLD LIMIT VALUE <i>Not established. All ingredients Food Grade.</i>
EFFECTS OF OVEREXPOSURE  <i>Unknown. May be irritating to skin and eyes.</i>
EMERGENCY AND FIRST AID PROCEDURES <b>Possible allergen to those allergic to bovine dairy products.</b> <i>Skin: Rinse with soap and water. Contact physician if irritation persists.</i> <i>Eyes: Flush copiously with water. Contact physician if irritation persists.</i>

**SECTION VI - REACTIVITY DATA**

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	*	
INCOMPATIBILITY (MATERIALS TO AVOID) <i>Not Found</i>			
HAZARDOUS DECOMPOSITION PRODUCTS <i>Not Found</i>			
HAZARDOUS POLYMERIZATION	MAY OCCUR WILL NOT OCCUR	*	CONDITIONS TO AVOID

**SECTION VII - SPILL OR LEAK PROCEDURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED  <i>Flush away with water and detergent.</i>
WASTE DISPOSAL METHOD  <i>In accordance with local, state and federal regulations.</i>

**SECTION VIII - SPECIAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION (S <sub>f</sub> (SPECIFY TYPE) <i>Optional - NIOSH / MSHA approved respiratory mask</i>		
VENTILATION RECOMMENDED	<i>Local Exhaust usual</i> <i>Mechanical (General) usual</i>	SPECIAL OTHER
PROTECTIVE GLOVES		EYE PROTECTION <i>Splash Goggles</i>
OTHER PROTECTIVE EQUIPMENT		

**SECTION IX - SPECIAL PRECAUTIONS**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING  <i>Transport and store in clean, dry area; ambient temperature</i>
OTHER PRECAUTIONS

THIS INFORMATION IS FURNISHED WITHOUT WARRANTY, REPRESENTATION, INDUCEMENT, OR LICENSE OF ANY KIND, EXCEPT THAT IT IS BELIEVED ACCURATE TO THE BEST OF OUR KNOWLEDGE, OR OBTAINED FROM SOURCES BELIEVED TO BE ACCURATE. HILMAR INGREDIENTS DOES NOT ASSUME ANY LEGAL RESPONS FOR USE OR RELIANCE UPON SAME. CUSTOMERS ARE ENCOURAGED TO CONDUCT THEIR OWN TESTS.