



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		
		Issued: <b>7-11-2008</b> Supercedes: <b>3-29-2006</b>
PART CODE	CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS
200012		<b>Hilmar<sup>TM</sup> 8360 Whey Protein Hydrolysate Instantized</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 (H20 = 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

*Not established. All ingredients Food Grade.*

## EFFECTS OF OVEREXPOSURE

*Unknown. May be irritating to skin and eyes.*

## EMERGENCY AND FIRST AID PROCEDURES

**Possible allergen to those allergic to bovine dairy products.***Skin: Rinse with soap and water. Contact physician if irritation persists.**Eyes: Flush copiously with water. Contact physician if irritation persists.***SECTION VI - REACTIVITY DATA**

## STABILITY

UNSTABLE

STABLE

## CONDITIONS TO AVOID

\*

## INCOMPATIBILITY

(MATERIALS TO AVOID)

*Not Found*

## HAZARDOUS DECOMPOSITION PRODUCTS

*Not Found*

## 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

*Flush away with water and detergent.*

## WASTE DISPOSAL METHOD

*In accordance with local, state and federal regulations.***SECTION VIII - SPECIAL PROTECTION INFORMATION**RESPIRATORY PROTECTION (S<sub>f</sub> (SPECIFY TYPE))*Optional - NIOSH / MSHA approved respiratory mask*

## VENTILATION

*Local Exhaust usual*

## RECOMMENDED

*Mechanical (General) usual*

SPECIAL

OTHER

## PROTECTIVE GLOVES

## EYE PROTECTION

*Splash Goggles*

## OTHER PROTECTIVE EQUIPMENT

**SECTION IX - SPECIAL PRECAUTIONS**

## PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

*Transport and store in clean, dry area; ambient temperature*

## OTHER PRECAUTIONS

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