



## SAFETY DATA SHEET

### **1. PRODUCT AND COMPANY IDENTIFICATION**

Product Name: Barley Products (whole, crimped, rolled, pearled, ground)

Product Identification Number:

**Hansen Mueller Co.**  
**P.O. Box 50497**  
**Toledo, Oh 43605**

Emergency Phone Numbers:	8 am - 5 pm:	419-729-5535
	24 Hours:	419-271-3439
	24 hr.cell:	419-262-4349
	Fax:	419-729-5510

### **2. HAZARD IDENTIFICATION**

**EYES:** Contact may cause slight irritation due to mechanical action.

Symptoms include redness and tearing.

**SKIN:** Contact with dust may cause slight irritation.

**INHALATION:** Prolonged inhalation of excessive amounts of nuisance dusts may affect respiratory system causing cough and aggravating previously existing respiratory disorders. Prolonged or repeated over exposure may cause lung damage.

**INGESTION:** None expected.

**CHRONIC:** None known.

#### **MEDICAL CONDITIONS**

**AGGRAVATED BY EXPOSURE:** Allergies, pre-existing lung conditions or asthma.

**PRIMARY ROUTES OF ENTRY:** Inhalation.

**POTENTIAL CARCINOGENS PRESENT (OSHA, IARC, NTP):** None known.

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

<u>COMPONENT</u>	<u>CAS Number</u>	<u>%</u>
Barley dust	Not available	10-100

  

<u>EXPOSURE LIMITS</u>	<u>PEL (TWA)</u>	<u>PEL (STEL)</u>	<u>TLV (TWA)</u>
Nuisance Particles	10 mg/m3	N/A	4 mg/m3

#### **4. FIRST AID MEASURES**

**EYES:** Flush with water for 15 minutes. Consult a physician if irritation persists.

**SKIN:** Wash with soap and water.

**INHALATION:** Move to fresh air.

#### **5. FIRE FIGHTING MEASURES**

**FLASH POINT:** N/A

**FLAMMABLE LIMITS:**

LFL: 55 gm/m<sup>3</sup>

UFL: Unknown

**EXTINGUISHING MEDIA:** Foam, CO<sub>2</sub>, dry chemical, water fog

**SPECIAL FIRE FIGHTING PROCEDURES:** Do not use direct hose stream if dust can be dispersed into air. Dust dispersed by water stream in the presence of an ignition source could cause an explosion.

**FIRE AND EXPLOSION HAZARDS:** If improperly handled, stored, and/or exposed to an ignition source, this material may burn. Airborne dust in sufficient concentration when confined and exposed to a sufficient ignition source can explode.

#### **6. ACCIDENTAL RELEASE MEASURES**

**GENERAL:** Dust is explosive. Eliminate ignition sources.

Use care to avoid creating dusty conditions. Sweep up and repackage or dispose of in accordance with local, state and federal regulations.

**SPILLAGE:** Clean up by broom sweeping and dispose in accordance with local, state and federal regulations.

#### **7. HANDLING AND STORAGE**

**GENERAL:** May form flammable dust-air mixtures. Use handling practices that minimize dust generation and accumulation.

**STORAGE:** Store in a dry place.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** Provide adequate general or local ventilation to keep dust levels below the exposure limits.

**RESPIRATORY PROTECTION:** Provide a NIOSH/MSHA approved respirator if exposure limits are exceeded.

**SKIN PROTECTION:** Clean body-covering as needed.

**EYE PROTECTION:** Safety glasses or goggles.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE:** Off-white to tan; rolled, pearled

**ODOR:** Characteristic of barley

**SPECIFIC GRAVITY:** No information available

**% VOLATILE:** N/A

**MELTING POINT:** N/A

**BOILING POINT:** N/A

**VAPOR PRESSURE:** N/A

**VAPOR DENSITY:** N/A

## **10. STABILITY AND REACTIVITY**

**GENERAL:** Stable under normal conditions.

**REACTIVITY:** None.

**CONDITIONS TO AVOID:** Dusty conditions exceeding the Lower Flammable Limit (LFL). Ignition sources.

**INCOMPATIBLE MATERIALS:** None.

## **11. TOXICOLOGICAL INFORMATION**

**POTENTIAL CARCINOGENS:** None known

**IRRITANT:** Skin contact: not harmful

Eye contact: non-toxic, but irritation may occur

## **12. ECOLOGICAL INFORMATION**

**WATER DISPOSAL:** Recycle for animal feed usage if appropriate. Contains no substances known not to be degradable in waste-water treatment plants.

### **13. DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL:** Dispose of material in accordance to all local, state and federal regulations.

### **14. TRANSPORTATION INFORMATION**

**DOT SHIPPING DESCRIPTION:** N/A – Not hazardous for transportation.

### **15. REGULATORY INFORMATION**

**HAZARD SYMBOLS:** N/A – Regulations concerning transport of dangerous substances are not applicable.

### **16. OTHER INFORMATION**

**Revision Date:** 06/01/15

**Reason for Revision:** New SDS format. Hazard classification updated. This version replaces all previous versions. The information provided on this (M)SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.