



Safety Data Sheet (SDS)

Revision / Review Date: 3/14/15

1. Chemical Product and Company Identification

Product Name:	Rubaid 222
Distributed By:	HB Chemical 1665 Enterprise Parkway Twinsburg Oh 44087 Phone - 330-920-8023
SDS Prepared By (w Suppliers Input):	HB Chemical
Chemical Name / Family:	Not available
Molecular Formula:	Not available
Molecular Weight via GPC, Mn:	Not available
Product Use:	Process Aids
OSHA Status:	Non Hazardous
CAS No:	Proprietary

For emergency health, safety, and environmental information, calls 330-920-8023

For emergency transportation information, in the United States: call CHEMTREC at 800-424-9300

2. Hazard(s) Identification

<u>GHS Classification:</u>	This product does not require a hazard label in accordance with GHS criteria.
<u>Signal Word:</u>	None.
<u>Hazard Statements:</u>	None.
<u>OSHA Hazardous Ingredients:</u>	This material is not a hazardous chemical as defined in 29 CFR 1910.1200.
<u>Hazard Overview:</u>	Gases and fumes from processing at elevated temperatures may irritate upper respiratory tract, skin, or eyes. May generate combustible dust during processing.
<u>Signs and Symptoms of Exposure:</u>	Irritation to the eyes, skin, digestive tract and respiratory tract.
<u>Primary Routes of Entry:</u>	Skin, Eye, Inhalation.
<u>Medical Conditions Generally Aggravated by Exposure:</u>	Eye, skin, and respiratory disorders.
<u>Delayed Effects:</u>	None Known.
<u>Eye Contact:</u>	May cause irritate eyes. Heated Polymer: eye contact can cause serious thermal burns. Vapors formed when polymer is heated may irritate the eye.

<u>Skin Contact:</u>	Prolonged or repeated exposure may cause skin. Heated polymer: skin contact can cause serious thermal burns.
<u>Ingestion:</u>	Cause irritation to the digestive tract.
<u>Inhalation:</u>	Heated product may irritate respiratory tract.
<u>NFPA Hazards Ratings:</u>	Health-1, Flammability-1, Reactivity-0
<u>HMIS Hazard Ratings:</u>	Health-1, Flammability -1, Reactivity - 0
<u>HMIS limitation statement:</u>	The HMIS hazard ratings numbers are meant to give a quick indication of the relative hazards associated with the product. All of the information contained in the SDS should be consulted to assist with the safe handling of this material.
<u>Principal Hazardous Components:</u>	
<u>Component:</u>	<u>Reference</u> <u>Value</u>
Dust (respirable)	OSHA PEL 5 mg/m ³ 8 hr. TWA
(total dust)	OSHA PEL 15 mg/m ³ 8 hr. TWA

3. Composition / Information on Ingredients

Weight Percent / Typical	Component Identity	CAS Registry Number
100%	Blend of Esters of High Molecular Weight Fatty Acids bound to a Chemically Indifferent Carrier	Proprietary

4. First Aid Measures

<u>Inhalation:</u>	Move to well-ventilated area.
<u>Eyes:</u>	Immediately flush with water for at least 15 minutes. Get medical attention.
<u>Skin:</u>	Cold product – Wash thoroughly with mild soap and water. Hot product – Flush immediately with clean, cold water. Do not attempt to peel molten product from skin. Get medical attention.
<u>Ingestion:</u>	Do not induce vomiting. If victim is conscious and able to swallow, give milk or water to dilute. Never give anything by mouth to an unconscious person. Get medical attention.

5. Fire-Fighting Measures

<u>Suitable Extinguishing Media:</u>	Dry chemical, Foam, carbon dioxide, or water spray.
<u>Special Fire Fighting Procedures:</u>	Self-contained breathing apparatus and full protective gear should be used. Use water spray to keep fire exposed containers cool. On large fired use a dry chemical, foam or

water spray. On small fires use a carbon dioxide, dry chemical or water spray. Do not use heavy stream of water.

Hazardous Combustion Products:

Carbon monoxide, carbon dioxide and formaldehyde.

Unusual fire and explosion hazards:

Containers may rupture during fire. Direct water stream may spread fire. May cause combustible dust during processing.

6. Accidental Release Measures

Personal Precautions, protective equipment, and emergency procedures

Isolate Spill Area. Avoid contact with skin, eyes, and clothing. Granules on floor may be a slip hazard.

Environmental Disposal Information:

Contain spill. Prevent from entering sewers, soil, or waterways.

Waste Disposal:

Reclaim or dispose of in accordance with local, state, and federal regulations.

Methods and material for containment and clean-up:

Sweep-up. Small Spill or Leak: Contain material and dispose-of properly. Large Spill or Leak: Stop spill if safe to do so. Contain material and dispose-of properly.

7. Handling and Storage:

Empty Containers:

Not available.

Precautions to be taken in handling:

Handling of granules may form nuisance dust. Avoid contact with eyes and skin. Wash thoroughly after handling. Ground containers to avoid static discharge. Protect against moisture. Accumulation of product may be a combustible dust hazard.

Storage:

Keep containers tightly closed. Store in a cool, dry, well ventilated location. Keep from heat. Avoid freezing.

8. Exposure Controls / Personal Protection

Exposure Controls:

Ensure adequate ventilation.

Respiratory Protection:

Not required under normal circumstances. For exposures in excess of permissible exposure limits (PEL), use a NIOSH approved respirator.

Ventilation:

Local exhaust ventilation.

Hand Protection:

Thermally insulated gloves.

Eye Protection:

Safety glasses with side shields.

<u>Skin and Body Protection:</u>	No special protective clothing is required. Washing at mealtime and end of shift is adequate. Long sleeves required when handling hot material.
<u>Engineering Controls:</u>	Heated materials may require local exhaust ventilation, or other engineering controls, to reduce exposure to fumes.
<u>General Safety and hygiene measures:</u>	Eye wash and safety shower in work areas. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. No food in work areas.

9. Physical and Chemical Properties

<u>Physical Form:</u>	Fine Powder
<u>Appearance & Odor:</u>	White/Slight to None
<u>Specific Gravity:</u>	1.00 @ 25° C
<u>pH:</u>	Neutral
<u>Softening Point, R&B:</u>	Not available
<u>Solubility in Water:</u>	Insoluble
<u>Flash Point, TAG CC F:</u>	>302° F (>150° C)
<u>Melting Point:</u>	55-65
<u>Percent Volatiles (by weight):</u>	Negligible <1% @ 105° C
<u>Evaporation Rate (Water ~ I):</u>	Not available
<u>Vapor Pressure (mm Hg):</u>	Not available
<u>Vapor Density (Air ~ I):</u>	Not available
<u>Boiling Point (°F) Initial:</u>	Not available
<u>Auto ignition Temperature, °C:</u>	Not available
<u>Flammable Limits, %(V):</u>	Not available

10. Stability and Reactivity

<u>Stability:</u>	This product is stable under normal conditions.
<u>Incompatibility (Materials to Avoid):</u>	PVC, Strong Oxidizers, Strong Acids, Strong Bases.
<u>Conditions to Avoid:</u>	Temperatures greater than 455° F (235°C), sources of ignition.
<u>Hazardous Polymerization:</u>	Hazardous polymerization will not occur.
<u>Hazardous Decomposition Products:</u>	Carbon monoxide, carbon dioxide, traces of Formaldehyde.

<u>Hazardous Reactions:</u>	None.
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11. Toxicological Information

This material is not listed as a carcinogen or potential carcinogen by NTP, IARC, or OSHA.

<u>OSHA Permissible Exposure Limit:</u>	Dust (respirable) OSHA PEL 5 mg/m ³ 8 hr. TWA (total dust) OSHA PEL 15 mg/m ³ 8 hr. TWA.
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<u>ACGIH Threshold Limit Value:</u>	Not available.
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<u>Acute Effects:</u>	Transient Irritation may occur.
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<u>Chronic Effects:</u>	None Known.
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<u>Acute Toxicity:</u>	Not Determined.
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<u>Dermal Toxicity:</u>	Not Determined.
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<u>Inhalation Toxicity:</u>	Not Determined.
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<u>Respiratory Irritation:</u>	May cause irritation at elevated temperatures.
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<u>Eye Irritation:</u>	May cause irritation.
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<u>Skin Irritation:</u>	May cause irritation.
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<u>Germ Cell Mutagenicity:</u>	Not Determined.
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<u>Carcinogenicity:</u>	None Known.
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<u>Reproductive Toxicity:</u>	None Known.
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<u>Specific Target Organ Toxicity (Single Exposure):</u>	Not Determined.
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<u>Repeated Dose toxicity and Specific Target Organ Toxicity (Repeated Exposure):</u>	Not Determined.
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<u>Aspiration Hazard:</u>	Not Determined.
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12. Ecological Information

<u>Ecotoxicity:</u>	Not Determined.
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<u>Persistence and Degradability:</u>	Not Determined.
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<u>Bioaccumulative Potential:</u>	Not Determined.
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<u>Mobility in Soil:</u>	Not Determined.
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<u>PBT and vPvB Assessment:</u>	Does not meet PBT/vPvB criteria.
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<u>Other Adverse Effects:</u>	Not water soluble.
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13. Disposal Considerations

Waste is classified as non-hazardous. Do not dump into sewers, on the ground, or into any body of water. Consult federal, state, and local regulations before disposing of this material.

14. Transport Information

<u>D.O.T. Shipping Name:</u>	Not regulated.
<u>Air - ICAO (international Civil Aviation Organization):</u>	Not regulated.
<u>Sea - IMDG (International Maritime Dangerous Goods):</u>	Not regulated.
<u>UN Number:</u>	Not DOT Regulated.
<u>Proper Shipping Name:</u>	Not Applicable.
<u>Hazard Class:</u>	Not Applicable.
<u>Packing Group:</u>	Not Applicable.
<u>IATA:</u>	Not Regulated.
<u>Marine Pollutant:</u>	Not a Marine Pollutant.

15. Regulatory Information

All components of this material are on the TSCA Inventory.

All components of this material are on the Canadian DSL.

EPA SARA Title III Chemical Listings:

Section 302 Extremely Hazardous Substances: None.

Section 304 CERCLA Hazardous Substances: None.

Section 312 Hazard Class:
Acute: No
Chronic: No
Fire: No
Pressure: No
Reactive: No

Section 313 Toxic Chemicals: None Known.

California Proposition 65: None Known. This product is not known to contain a chemical known to the state of California to cause birth defects or other reproductive harm.

New Jersey Right-to-Know List:

None known.

16. Other Information

The above information has been compiled from what we believe to be credible sources. To our knowledge the information is accurate and reliable, however, it is not guaranteed. Any recommendations issued by HB Chemical personnel or literature is derived from experience and by no means should be taken as fact or construed as a recommendation to violate of any law, regulation or patent. It is the users responsibility to determine the suitability of any HB supplied material in their application. The individual conditions of each customer are well outside of our control and we cannot be held liable for its functionality and use. Please contact our office should you need specific information beyond what is supplied above. As with all Chemical usage safety precautions beyond the stated are highly recommended.