

SAFETY DATA SHEET

Product Name: Double Strength Yeast Food- No Bromate

Product Number(s): 28200

SECTION 1: IDENTIFICATION

Product Identifiers

Product name : Double Strength Yeast Food- No Bromate
 Product Code(s) : 28200
 CAS Number : Not Applicable

Application of the Substance or Mixture

Product Use : Food Ingredient
 Product Restrictions : No further relevant information available

Details of the Supplier of the Safety Data Sheet

Company Identification : Lesaffre Yeast Corporation
 Red Star Yeast Company, LLC
 7475 West Main Street
 Milwaukee, WI 53214
 1-877-677-7000

Emergency Telephone Number

Transport Emergency : CHEMTREC 1-800-424-9300

SECTION 2: HAZARD(S) IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Eye irritation (Category 2A), H319

GHS Label Elements

Pictogram :



Signal word :

Warning

Hazard statement(s) :

H319 Causes serious eye irritation

Precautionary statement(s) :

P264 Wash skin thoroughly after handling.
 P280 Wear eye protection.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337 + P313 If eye irritation persists: Get medical advice/ attention.

SAFETY DATA SHEET

Product Name: Double Strength Yeast Food- No Bromate

Product Number(s): 28200

Hazard(s) Not Otherwise Classified (HNOC) or not covered by GHS

: Material may cause slight irritation on prolonged or repeated contact. Do not handle this material if you have known allergies or otherwise physical reaction to wheat.

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Classification : Mixture.
CAS Number : Not Applicable
EC Number : Not Applicable

Hazardous Components

Component	CAS No.	Classification	Concentration*
Ammonium Chloride	12125-02-9	Acute Toxicity (Oral) 4- H302; Eye Irritation 2A- H319	Proprietary

*NOTE: for mixtures an exact percentage or range for each ingredient, unless proprietary
For full text of the H-Statements mentioned in this Section, see Section 16

SECTION 4: FIRST-AID MEASURES

Description of First Aid Measures

Eye Contact : Remove contact lenses at once. Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical help if needed.

Skin Contact : Flush skin with plenty of water.

Ingestion : If victim is conscious and alert, rinse mouth with water as a precaution. Never give anything to an unconscious person.

Inhalation : Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and get medical help immediately.

Most Important Symptoms and Effects, both Acute and Delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Indication of Any Immediate Medical Attention and Special Treatment Needed

No further relevant information available.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Agents : Use dry chemical, carbon dioxide, water spray, or alcohol-resistant foam. Use agent most appropriate to extinguish fire.

SAFETY DATA SHEET

Product Name: Double Strength Yeast Food- No Bromate

Product Number(s): 28200

Special Hazards Arising From the Substance or Mixture

Not Applicable

Advice for Firefighters

Protective Equipment : Wear self-contained breathing apparatus for firefighting if necessary.
Additional Information : No data available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Use proper personal protective equipment as indicated in Section 8.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and Materials for Containment and Clean Up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to Other Sections

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of the material from eyes, skin and clothing. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventative fire protection. For precautions, see section 2.

Conditions for Safe Storage, Including Any Incompatibilities

Store in a cool (<80°F/ 27°C) dry area.

Specific End Use(s)

Apart from the use(s) mentioned in Section 1, no other specific uses are stipulated.

SECTION 8: EXPOSURE CONTROL/ PERSONAL PROTECTION

Control Parameters

Exposure Limits : OSHA and ACGIH have not established specific exposure limits for this material.

Appropriate Engineering Controls

General industrial hygiene practice.

SAFETY DATA SHEET

Product Name: Double Strength Yeast Food- No Bromate

Product Number(s): 28200

Personal Protective Equipment

Eyes	: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin	: Wear appropriate protective gloves to prevent skin exposure. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Clothing	: Wear appropriate protective clothing to prevent skin exposure.
Respirators	: Respiratory protection is not required. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if irritation or other symptoms are experienced.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Appearance:	
Form	: Powder
Color	: White to Off-White
Odor	: No Data Available
Odor Threshold	: No Data Available
pH	: No Data Available
Freezing/ Melting point	: No Data Available
Initial Boiling Point and Boiling Range	: No Data Available
Flash Point	: No Data Available
Evaporation Rate	: No Data Available
Flammability (solid, gas)	: No Data Available
Upper/Lower Flammability or Explosive Limits	: No Data Available
Vapor Pressure	: No Data Available
Vapor Density	: No Data Available
Relative Density	: No Data Available
Water Solubility	: No Data Available
Partition Coefficient: n-octanol/water	: No Data Available
Auto-ignition Temperature	: No Data Available
Decomposition Temperature	: No Data Available
Viscosity	: No Data Available
Explosive Properties	: No Data Available
Oxidizing Properties	: No Data Available

Other Safety Information

No further relevant information available.

NOTE: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

SAFETY DATA SHEET

Product Name: Double Strength Yeast Food- No Bromate

Product Number(s): 28200

SECTION 10: STABILITY AND REACTIVITY

Reactivity

No Data Available

Chemical Stability

Stable under normal temperatures and pressures.

Possibility of Hazardous Reactions

No dangerous reactions known.

Conditions to Avoid

Exposure to moisture may affect product quality.

Incompatible Materials

Strong acids, strong bases, strong oxidizing agents.

Hazardous Decomposition Products

Hazardous decomposition products formed under fire conditions. - Nitrogen oxides (NO_x), Hydrogen chloride gas
In the event of fire: see section 5

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Acute toxicity

Component	: Ammonium Chloride
CAS No.	: 12125-02-9
LD50 Oral – Rat	: 1,650 mg/kg
Inhalation	: No Data Available
Dermal	: No Data Available

Skin Corrosion/Irritation

No Data Available

Serious Eye Damage/Eye Irritation

Component	: Ammonium Chloride
CAS No.	: 12125-02-9
Eyes – Rabbit	: Result - Eye irritation

Respiratory or Skin Sensitization

Material may cause slight irritation on prolonged or repeated contact. Do not handle this material if you have known allergies or otherwise physical reaction to wheat.

Germ Cell Mutagenicity

SAFETY DATA SHEET

Product Name: Double Strength Yeast Food- No Bromate

Product Number(s): 28200

No Data Available

Carcinogenicity

ACGIH : No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

IARC : No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP : No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA : No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Toxicity to Fish : No Information Found

Toxicity to Other Aquatic Invertebrates : No Information Found

Persistence and Degradability

Biodegradability : No Data Available

Biochemical Oxygen Demand (BOD) : No Data Available

Bioaccumulative Potential

No data available.

Mobility in Soil

No data available.

Results of PBT and vPvB Assessment

PBT : Not Applicable

vPcB : Not Applicable

Other Adverse Effects

No further relevant information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Product

Dispose of in accordance with federal, state and local requirements. Processing, use or contamination of this product may change the waste management options.

Contaminated Packaging

Dispose of container and unused contents in accordance with federal, state and local requirements.

SAFETY DATA SHEET

Product Name: Double Strength Yeast Food- No Bromate

Product Number(s): 28200

SECTION 14: TRANSPORTATION INFORMATION

The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment for transportation.

Not DOT regulated in domestic (USA ground) transportation in package sizes less than 5000 lbs (454 kg). The DOT transportation information below is for shipments with package sizes equal to or exceeding this value.

Regulator	: Domestic (Land, DOT)
Proper Shipping Name	: Environmentally hazardous substance, solid, n.o.s. (Ammonium Chloride)
Hazard Class	: 9
UN/NA	: 3077
Packing Group	: III
Reportable Quantity (RQ)	: 5000 lbs
Other Information	: Class 9 placards are not required for domestic transportation. However, a bulk package or bulk truck (IBC) with more than a Reportable Quantity of 1000 pounds must be marked with the appropriate 3077 ID (Identifications number) number on a white square-on-point display. CFR 172.504 (f) (9). In accordance with FMCSR's (Federal Motor Carrier Safety Regulations) only drivers of vehicles transporting hazardous materials that are required to be placarded in accordance with Subpart F of Part 172 of the HMR must have a hazardous materials endorsement to the CDL. Thus a hazardous materials endorsement is NOT required for a driver transporting class 9 materials because no placard is required, only a marking is required

Regulator	: International (Water, IMO / IMDG)
Proper Shipping Name	: Not Regulated
Hazard Class	: Not Regulated
UN/NA	: Not Regulated
Packing Group	: Not Regulated

Regulator	: International (Air, ICAO / IATA)
Proper Shipping Name	: Not Regulated
Hazard Class	: Not Regulated
UN/NA	: Not Regulated
Packing Group	: Not Regulated

SECTION 15: REGULATORY INFORMATION

SARA

Section 302 Extremely

Hazardous Substances

: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SAFETY DATA SHEET

Product Name: Double Strength Yeast Food- No Bromate

Product Number(s): 28200

Section 313 Specific Toxic

Chemical Listings

: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

TSCA (Toxic Substances Control Act)

This product is for FDA regulated product use only.

California Prop 65

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

State Right to Know Components

Massachusetts

: <u>Ingredient Name</u>	<u>CAS-No.</u>
Ammonium Chloride	12125-02-9
Calcium Sulfate	7778-18-9

Pennsylvania

: <u>Ingredient Name</u>	<u>CAS-No.</u>
Ammonium Chloride	12125-02-9
Calcium Sulfate	7778-18-9
Sodium Chloride	7647-14-5

New Jersey

: <u>Ingredient Name</u>	<u>CAS-No.</u>
Ammonium Chloride	12125-02-9
Calcium Sulfate	7778-18-9
Sodium Chloride	7647-14-5

Carcinogenic Categories

EPA (Environmental Protection Agency): Substance is not listed.

TLV (Threshold Limit Value established

by ACGIH)

: Substance is not listed.

NIOSH-Ca (National Institute for

Occupational Safety and Health)

: Substance is not listed.

Additional Information

Clean Air Act

: This material does not contain any hazardous air pollutants.
: This material does not contain any Class 1 Ozone depleters.
: This material does not contain any Class 2 Ozone depleters.

Clean Water Act

: None of the chemicals in this product are listed as Hazardous Substances under the CWA.
: None of the chemicals in this product are listed as Priority Pollutants under the CWA.

SAFETY DATA SHEET

Product Name: Double Strength Yeast Food- No Bromate

Product Number(s): 28200

: None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

HMIS Rating (scale 0 – 4)

Health Hazard : 1
 Chronic Health Hazard : 0
 Flammability : 0
 Physical Hazard : 0

NFPA Rating (scale 0 – 4)

Health Hazard : 1
 Fire Hazard : 0
 Reactivity Hazard : 0
 Special : Not Applicable

SECTION 16: OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

H302 : Harmful if swallowed
 H319 : Causes serious eye irritation.

SDS Issue Date : February 2, 2018

SDS Revision Number : 01

Supersedes Issue Date : April 19, 2017

Summary of Changes

Revision No.	Changes
01	<ul style="list-style-type: none"> • Section 3: Removal of incorrect GHS Hazard Classifications H401 and H411 • Section 11: Update of Acute Toxicity information • Section 14: Update of transport information for DOT • Section 15: Update of Right to Know information • Section 16: Removal of incorrect GHS Hazard Statements and Codes H401 and H411
Original	<ul style="list-style-type: none"> • New SDS

Disclaimer

The information in this SDS was obtained from current and reliable sources. However, the data is provided without any warrant, expressed or implied, regarding its correctness or accuracy. Since the use, handling, storage and disposal of this product are beyond our control, it is the responsibility of the user both to determine safe conditions for the use of this product and to assume liability of loss, damage, or expense arising out of the product's improper use. No warranty expressed or implied regarding the product described herein shall be created



SAFETY DATA SHEET

Product Name: Double Strength Yeast Food- No Bromate

Product Number(s): 28200

by or inferred from any statement or omission in this SDS. Various Federal, State or Provincial agencies may have specific regulations concerning the transportation, handling, storage, use, or disposal of this product which may not be reflected in this SDS. The user should review these regulations to ensure full compliance.