

PRODUCT INFORMATION	
DESCRIPTION	Red Star® Vegetarian Support Formula is fortified nutritional yeast used as a food additive for those on vegetarian diets. This yeast is produced with a specially selected strain of <u>Saccharomyces cerevisiae</u> . The yeast is grown under carefully controlled conditions and then dried on drum dryers.
FEATURES	Primary grown yeast
INGREDIENTS	Dried yeast, niacin, pyridoxine hydrochloride, riboflavin, thiamin hydrochloride, folic acid, B ₁₂ (B ₁₂ produced by natural fermentation – not synthetic or animal source)
SUBSTRATE	Sugar syrup, molasses
MANUFACTURING PROCESS	Fermentation, supplementation, drying, grinding and packaging.
COUNTRY OF ORIGIN	United States
PACKAGING	Corrugated box with poly liner, plastic liner tie & tamper evident tape, Plastic Pails or plastic jars
RECYCLABLE MATERIALS	Corrugated box, poly liner & plastic tie or plastic pails & jars
PACK SIZE & GRIND	Item # 74200 – 50 lb Box 50/80 MHF (Very fine Powder) UPC 1 00 17929 74200 0 Item # 74340 – 50 lb Box 60 MHF (Fine Powder) UPC 1 00 17929 74340 3 Item # 74561 – 50 lb Box 16 MKS (Mini Flake) UPC 1 00 17929 74561 2 Item # 74631 – 50 lb Box 1/2 MKS (Large Flake) UPC 1 00 17929 74631 2 Item # 74570 – 10 lb Pail 16 MKS (Mini Flake) UPC 1 00 17929 74570 7 Item # 74660 – 6 lb Pail 1/2 MKS (Large Flake) UPC 1 00 17929 74660 5
IMPORT/EXPORT TARIFF CODE	2102.20 2000
BATCH DESIGNATION	Liquid tank prior to dryer
LOT NUMBER STRUCTURE	Julian Mfg Date (EX 8025, where 8 = 2008, 025 = 25 th day = Jan 25)
STORAGE CONDITIONS	Ambient (<70 F), < 70% RH
SHELF LIFE	24 Months

REGULATORY & FACILITY INFORMATION	
KOSHER	Kosher Pareve – Organized Kashrus Labs
HALAL	ISA, Islamic Services of America
GMP	Manufactured using Food GMPs
ISO	No
HACCP	Yes
FDA STATUS	Dietary Supplement, Food Supplement
BIO-TERRORISM	Facility in compliance with all FDA bio-terrorism requirements
GMO / ORGANIC	Non-GMO following EEC regulations. Contains no GMO enzymes, have not been solvent-extracted, synthetically preserved or irradiated. Contain no artificial flavors or colors. There was no sewer sludge, petrochemical substrate, or sulfite waste liquor involved with any step of production. These products comply with NOP regulation 205.605(a)(20) and with 7 CFR 205.301(b&c)
BSE / TSE	No animal products used in manufacturing process or raw materials
VEGETARIAN	Vegan
PRESERVATIVES	None
STERILIZATION	Heat only, no ethylene oxide or irradiation
MASTER FILE	On File
THIRD PARY AUDITS	AIB (American Institute of Baking), Steritech

Suggested Use: One tablespoon / day

Nutritional Information: Serving Size: 16g, Calories: 62

Protein	8.0 g	Pyridoxine (B ₆)	9600 mcg
Carbohydrate	5.9 g	Niacin	58800 mcg
Fat	0.6 g	Riboflavin	10080 mcg
Sodium	10.8 mg	Thiamin	10080 mcg
Potassium	320 mg	B ₁₂	8 mcg



Vegetarian Support Formula

APPROXIMATE ANALYSIS (Essential Amino Acids Underlined)					
VITAMINS	ug/g	MINERALS	ug/g	AMINO ACIDS	mg/g
Biotin	1	Calcium	700	Alanine	35
Choline	4000	Chromium	<0.5	Arginine	25
Folic Acid	45	Copper	8	Aspartic Acid	57
Inositol	4800	Iron	55	<u>Cystine</u>	5
Niacin	3500	Lithium	4	Glutamic Acid	92
Panthenic Acid	65	Magnesium	1300	Glycine	25
Pyridoxine HCL (B ₆)	700	Manganese	6	<u>Histidine</u>	12
Riboflavin (B ₂)	630	Molybdenum	4	<u>Isoleucine</u>	25
Thiamin (B ₁)	600	Nickel	2	<u>Leucine</u>	38
Cobalamin (B ₁₂)	1.5	Phosphorus	11000	<u>Lysine</u>	45
		Potassium	20000	<u>Methionine</u>	9
		Selenium	1.4	<u>Phenylalanine</u>	22
		Sodium	320	Proline	21
		Tin	0.8	Serine	28
		Zinc	197	<u>Threonine</u>	28
				<u>Tryptophan</u>	5
				<u>Tyrosine</u>	19
				<u>Valine</u>	30

PRODUCT SPECIFICATIONS			
PARAMETER	SPECIFICATION RANGE	TYPICAL ANALYSIS	METHOD
MOISTURE	<6%	3-4%	AOAC
NIACIN	2800-4200 ug/g	2800-4200 ug/g	AOAC
RIBOFLAVIN	540-720 ug/g	540-720 ug/g	AOAC
THIAMIN HCl	540-720 ug/g	540-720 ug/g	AOAC
PYRIDOXINE HCl	550-850 ug/g	550-850 ug/g	AOAC
FOLIC ACID	30-60 ug/g	30-60 ug/g	AOAC
B ₁₂	0.5 – 2.5 ug/g	0.5 – 2.5 ug/g	AOAC
TPC	2000 CFU/g Max	<10 – 100 CFU/g	BAM
COLIFORM	<10 cfu/gm Max.	0	Coliform by Rapid'E.coli2 AOAC Performance Certificate No. 050601
E. COLI	Negative	0	Coliform by Rapid'E.coli2 AOAC Performance Certificate No. 050601
SALMONELLA	Neg / 1500/g (Class I)	Neg / 1500/g (Class I)	BAM (Vidas)

07/10 – Revision 7

The information herein is true and accurate to the best of our knowledge; however, this data sheet is not to be considered as a guarantee expressed or implied, or as a condition of sale of this product.

NUTRITIONAL INFORMATION



Vegetarian Support Formula

PRODUCT CODES	74200, 74340, 74561, 74631, 74570, 74600
COMPANY	Lesaffre Human Care
ADDRESS	7475 West Main St. Milwaukee, WI 53214
PHONE	414-615-4085 / 414-615-4003
CONTACT	Robert Biwersi – Director, Quality Assurance & Regulatory Affairs

TYPICAL ANALYSIS

Per 100g “As Is”

Calories	375-395	kcal		Fat	4-6	g
Moisture	2-6	g		Saturated	1-2	g
Protein	48-60	g		Unsaturated	2-4	g
Ash	6-8	g		Monounsaturated	2-4	g
Carbohydrates	25-35	g		Polyunsaturated	<1	g
Complex	25-35	g		Trans Fatty Acids	0	g
Sugars	<1	g		Cholesterol	0	mg
Dietary Fiber	20-24	g		Iron	4-7	mg
Soluble	4-8	g		Calcium	65-75	mg
Insoluble	16-22	g		Sodium	30-34	mg
Vitamin A	<10	ug RE		Potassium	1800- 2200	mg
Vitamin C	0	mg		Phosphorous	1000- 1200	mg
Thiamin	54-72	mg		Pyridoxine	55-85	mg
Niacin	280-420	mg NE		Folic Acid	30-60	mg
Riboflavin	54-72	mg		Vitamin B12	0.05 – 0.25	ug

Ingredient Statement: Dried yeast, niacin, pyridoxine hydrochloride, riboflavin, thiamin hydrochloride, folic acid, cobalamin(B₁₂)



Vegetarian Support Formula

ALLERGEN & SENSITIVE COMPONENTS

PRODUCT NAME	Red Star® Vegetarian Support Formula			
PRODUCT CODES	74200, 74340, 74561, 74631, 74570, 74600			
ALLERGEN & SENSITIVE COMPONENT	PRESENT IN PROD		PRESENT ON SAME LINE	
	YES	NO	YES	NO
MILK PRODUCTS (butter, casein, cheese, whey, nougat, malted milk, sour cream, yogurt, etc.)		X		X
EGG PRODUCTS (mayonnaise, meringue, ovalbumin, etc.)		X		X
FISH any type		X		X
SHELL FISH (crustaceans, mollusks, shrimp, crab, lobster, oyster, clam, scallop, crayfish, etc.)		X		X
TREE NUTS (almond, cashew, hazelnut, macadamia, pecan, pine, pistachio, walnut, etc.)		X		X
WHEAT PRODUCTS (bran, bread crumbs, cracker meal, farina, graham flour, wheat germ, gluten etc.)		X		X
PEANUTS		X		X
SOYBEAN PRODUCTS (tofu, miso, soy-derived vegetable protein, etc.)		X		X
BARLEY PRODUCTS		X		X
BHA, BHT		X		X
CELERY (root, leaves, stalk)		X		X
CHOCOLATE PRODUCTS		X		X
FD&C COLORS (Yellow #5, etc.)		X		X
HYDROLYZED ANIMAL PROTEIN		X		X
HYDROLYZED PLANT PROTEIN		X		X
3-MCPD (MONOCHLOROPROPYLDIOL)		X		X
MEAT & MEAT DERIVATIVES (beef, pork)		X		X
MONOSODIUM GLUTAMATE		X		X
OAT PRODUCTS		X		X
RYE PRODUCTS		X		X
SEEDS (cottonseed, poppy, sesame, mustard, sunflower, etc.)		X		X
SULFITES		X		X

There are no allergens present in our yeast manufacturing facilities. All raw materials are reviewed for the potential to contain allergens.

MATERIAL SAFETY DATA SHEET
LESAFFRE HUMAN CARE
MILWAUKEE, WISCONSIN

IDENTITY (As used on Label and List) Red Star® Vegetarian Support Formula	<i>Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.</i>
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Section I - General Information

Manufacturer's Name RED STAR YEAST CO., LLC	Emergency Phone Number 800-424-9300
Address (Number, Street, City, State, and ZIP Code) 7475 West Main Street Milwaukee, WI 53214	Telephone Number for Information (414) 615-4085
	Date Prepared Mar 2008

Section II - Hazard Ingredients/Identity Information

Limits	Other
Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL ACGIH TLV
Recommended % (Optional)	
None. Product is dried, primary grown bakes yeast with added vitamins. This is a food product.	

Section III - Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	0.6
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water: Slight			
Appearance and Odor: Tan, yeasty			

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) Unknown	Flammable Limits Unknown	LEL	UEL
Extinguishing Media: CO₂ or water			
Special Fire Fighting Procedures: None			
Unusual Fire and Explosion Hazards: Dust should be controlled.			

Material Safety Data Sheet

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Section V – Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable		
Incompatibility (Materials to Avoid): N/A			
Hazardous Decomposition or Byproducts: N/A			
Hazardous Polymerization	May Occur		Conditions to Avoid:
	Will Not Occur	N/A	

Section VI – Health Hazard Data

Route(s) of Entry: Inhalation? X Skin? Ingestion? X			
Health Hazards (Acute and Chronic): NONE			
Carcinogenicity: NTP? N/A IARC Monographs? N/A OSHA Regulated? N/A			
Signs and Symptoms of Exposure: N/A			
Medical Conditions Generally Aggravated by Exposure: N/A			
Emergency and First Aid Procedures: Excessive dust to be avoided if person is asthmatic.			

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled: Normal cleanup	
Waste Disposal Method: Follow state and local laws. Product is food.	
Precautions to Be Taken in Handling and Storing: Keep in cool, dry area.	
Other Precautions: Avoid dust.	

Section VIII - Control Measures

Respiratory Protection (Specify Type): Face mask if dust is excessive.		
Ventilation: Yes	Local Exhaust X	Special
	Mechanical (General) X	Other
Protective Gloves: Suggested		Eye Protection: Suggested
Other Protective Clothing or Equipment: None		
Work/Hygienic Practices: Clean, dry cloths		