

LESAFFRE YEAST CORPORATION

SAF[®] MIX SPM GOLD

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION:

SAF[®] Mix, SPM Gold, is a bakers dry yeast (*saccharomyces cerevisiae*) especially developed for direct incorporation into pizza/bakery mixes. SAF[®] Mix is vacuum-packed in foil pouches. Although its functional properties are improved over active dry yeast, it falls under that Standard of Identity.

REGULATORY:

All materials shall be of edible grade, clean, sound, wholesome and free from extraneous matter. Product shall be prepared following Good Manufacturing Practices and shall comply with the Federal Food, Drug, and Cosmetic Act of 1938, as amended and with regulations issued pursuant to this act.

INGREDIENT STATEMENT: Yeast, sorbitan monostearate

ANALYTICAL STANDARDS:

Parameter	Specification	Test Method Reference
Dry Matter	94-96 %	AOAC 27.8.03 961.06
Gassing Power	86-94 cc	AACC 89-01 Fermentometer 20° C

MICROBIOLOGICAL STANDARDS:

Parameter	Specification	Test Method Reference
Salmonella	Neg / Class III	BAM CH 6
Coliform	< 100 CFU /g	BAM CH 4
E. Coli	<10 CFU / g	BAM CH 4

PACKAGING INFORMATION:

Item Number	Units per Case	Case Dimensions			Cubic Feet
		Height	Length	Width	
46511	10 KG	12 ½	11 ¼	7 11/16	0.62

PALLET INFORMATION:

Item Number	Pallet Configuration	Pallet Dimensions			Cubic Feet
		Height	Length	Width	
46511	5 layers/ 16 cases per	72	47	40	78.33

SHELF LIFE & STORAGE:

SAF[®] MIX SPM GOLD has a **Shelf life of 24 Months** if stored at < 80° F

KOSHER:

SAF[®] MIX SPM GOLD is certified as Kosher-Pareve by KOF-K

LOT CODING:

Production Month 1105 = Nov 2005, Expiration Month 1107 = Nov 2007 Internal Code 536/3 – Material tracking code

GMO / ORGANIC STATEMENT

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.

BSE:

No animal products used in manufacturing process or raw materials

PRESERVATIVES:

No preservatives present in product

VEGETARIAN STATUS:

Acceptable for “Vegan” diets

GLUTEN:

Gluten Free

COUNTRY OF ORIGIN:

Mexico

GMPs:

Food GMPs

FOOD DEFENSE:

Facilities are registered with the FDA and are in compliance with FDA Guidelines relating to Food Security

USAGE:

Varies with application or intended use. Product is typically used at levels of 3-6% in complete mixes.

11/09

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

LESAFFRE YEAST CORPORATION

NUTRIENT INFORMATION

PRODUCT NAME	SAF[®] MIX SPM GOLD
PRODUCT CODE (S)	46511
COMPANY	Lesaffre Yeast Corporation
ADDRESS	7475 West Main St Milwaukee, WI 53214
PHONE / FAX	414-615-4085 / 414-615-4003
CONTACT	Robert Biversi – Director, Quality Assurance

TYPICAL ANALYSIS

Per 100g “As Is”

Calories	365-405	kcal		Fat	4-8	g
Moisture	4-6	g		Saturated	1.1-1.7	g
Protein	36-42	g		Unsaturated	3.8-5.3	g
Ash	4-6	g		Monounsaturated	4-5	g
Carbohydrates	42-48	g		Polyunsaturated	<0.1	g
Complex	42-48	g		Trans Fatty Acids	<0.05	g
Sugars	<0.1	g		Cholesterol	<0.1	mg
Dietary Fiber	14.3-16.1	g		Iron	4.2-5.4	mg
Soluble	3.3-3.7	g		Calcium	45-65	mg
Insoluble	11.0-12.4	g		Sodium	75-175	mg
Vitamin A	<100	ug RE		Potassium	1618-1808	mg
Vitamin C	<1	mg		Phosphorous	645-903	mg
Thiamin	22-28	mg				
Niacin	24-36	mg NE				
Riboflavin	3.3-4.6	mg				

Ingredient Statement: Yeast, sorbitan monostearate

10/09

LESAFFRE YEAST CORPORATION

ALLERGEN & SENSITIVE COMPONENTS

PRODUCT NAME	SAF[®] MIX SPM GOLD			
PRODUCT CODES	46511			
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, sunflower, mustard, etc.)		X		X
SULFITES		X		X

There are no allergens present in our yeast manufacturing facilities. Allergens present in our dough conditioner blending operation are kept in separate buildings.

Robert Biwersi
Director, Quality Assurance

2/10

MATERIAL SAFETY DATA SHEET
RED STAR YEAST CO., LLC
MILWAUKEE, WISCONSIN

IDENTITY (As used on Label and List) SAF[®] MIX SPM GOLD	<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 Lesaffre Yeast Corporation	Emergency Phone Number 800-424-9300
Address (Number, Street, City, State, and ZIP Code) 7475 West Main St Milwaukee, WI 53214	Telephone Number for Information (414) 615-4085
	Date Prepared: Aug 2009

Section II - Hazard Ingredients/Identity Information

Other Limits Hazardous Components (Specific Chemical Identity; Common Name(s) OSHA PEL ACGIH TLV Recommended % (Optional)
No known hazardous ingredients present.

Section III - Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	N/A
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: Dispersible			
Appearance and Odor: Ivory-tan, moist, yeasty, semi-solid			

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) N/A	Flammable Limits N/A	LEL	UEL
Extinguishing Media: N/A			
Special Fire Fighting Procedures: None			
Unusual Fire and Explosion Hazards: None			

Section V – Reactivity Data

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

Section VI – Health Hazard Data

Route(s) of Entry:	Inhalation? Yes	Skin? N/A	Ingestion? N/A
Health Hazards (Acute and Chronic): Respiring yeast generates carbon dioxide. Do not store in air-tight container. Over exposure to carbon dioxide gas may cause asphyxiation. (Refer to Carbon Dioxide MSDS attached).			
Carcinogenicity: No	NTP? No	IARC Monographs? No	OSHA Regulated? No
Signs and Symptoms of Exposure: Over exposure to carbon dioxide include: stupor, dizziness, unconsciousness, death.			
Medical Conditions Generally Aggravated by Exposure: None known for compressed yeast; however, over exposure to carbon dioxide can aggravate several medical conditions. (Refer to carbon dioxide MSDS attached).			
Emergency and First Aid Procedures: If exposed to carbon dioxide, remove to fresh air. Give respiratory support if needed. Get medical aid.			

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled: None suggested
Waste Disposal Method: Normal methods.
Precautions to Be Taken in Handling and Storing: Do not store in air-tight containers due to potential for compressed yeast to respire and generate dangerous carbon dioxide gas.
Other Precautions:

Section VIII - Control Measures

Respiratory Protection (Specify Type): Confined spaces which held compressed yeast could potentially contain carbon dioxide gas. Use NIOSH/MSHA approved self-contained breathing apparatus or supplied air respirator if oxygen content is below 19%. Use in accordance with 29CFR1910.134 and 29CFR1910. (Refer to MSDS for carbon dioxide.)		
Ventilation:	Local Exhaust Use adequate mechanical ventilation.	Special
	Mechanical (General)	Other
Protective Gloves: Work	Eye Protection: Safety Glasses Suggested	
Other Protective Clothing or Equipment: None normally required.		
Work/Hygienic Practices: Use Good Personal Hygiene and Good Housekeeping.		