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LESAFFRE YEAST CORPORATION**NUTRIENT INFORMATION**

PRODUCT NAME	SAF Instant® – Red
PRODUCT CODE (S)	15909, 31105, 31150, 41305
COMPANY	Lesaffre Yeast Corporation
ADDRESS	7475 West Main St Milwaukee, WI 53214

TYPICAL ANALYSIS

Per 100g "As Is"

Calories	390	kcal		Fat	6	g
Moisture	5	g		Saturated	2	g
Protein	50	g		Unsaturated	4	g
Ash	6	g		Monounsaturated	4	g
Carbohydrates	33	g		Polyunsaturated	0	g
Complex	33	g		Trans Fatty Acids	0	g
Sugars	0	g		Cholesterol	0	mg
Dietary Fiber	27	g		Iron	5	mg
Soluble		g		Calcium	45	mg
Insoluble		g		Sodium	75	mg
Vitamin A	0	ug RE		Potassium	1700	mg
Vitamin C	300	mg		Phosphorous	2400	mg
Thiamin	12	mg				
Niacin	50	mg NE				
Riboflavin	5	mg				

Ingredient Statement: Yeast, sorbitan monostearate, ascorbic acid

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ALLERGEN & SENSITIVE COMPONENTS

PRODUCT NAME	SAF Instant[®] Red Label			
PRODUCT CODES	15909, 31105, 31150, 41305, 41822			
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.

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**MATERIAL SAFETY DATA SHEET
LESAFFRE YEAST CORPORATION
MILWAUKEE, WISCONSIN**

IDENTITY <i>(As used on Label and List)</i> SAF Instant® Yeast	<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: January 2, 2013

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, dry granular particles, yeasty odor			

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			

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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):			
Carcinogenicity: No	NTP? No	IARC Monographs? No	OSHA Regulated? No
Signs and Symptoms of Exposure:			
Medical Conditions Generally Aggravated by Exposure:			
Emergency and First Aid Procedures:			

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:
Other Precautions:

Section VIII - Control Measures

Respiratory Protection (Specify Type): Confined spaces which held respiring 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.		

LESAFFRE YEAST CORPORATION**SAF Instant[®] Yeast– Red Label****TECHNICAL DATA SHEET****PRODUCT DESCRIPTION:**

SAF-Instant[®] Yeast is a bakers dry yeast (*Saccharomyces cerevisiae*) vacuum-packed in foil pouches. Instant yeast derives its name from its ability to rapidly rehydrate in water or when added directly into a dough. Specifically formulated for: Bagels, Crackers, Croissants, Donuts, English Muffins, Flat Breads, Hearth Breads, Pan Breads, Pizza Crusts. 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, ascorbic acid

ANALYTICAL STANDARDS:

Parameter	Specification	Test Method Reference
Dry Matter	94-96 %	AOAC 27.8.03 961.06
Gassing Power	118-142	AACC 89-01

MICROBIOLOGICAL STANDARDS:

Parameter	Specification	Test Method Reference
Salmonella	Neg / Class III	BAM CH 5
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	
31105	10kg	12.5"	11.25"	7.75"	0.63
31150	50 lb	20 ¼"	15 ½"	7 ¼"	1.3
15909	20 – 1 lb	9 13/16"	13 ½"	7 5/8"	0.6
41305	64/113g	4.5"	14.375"	12"	0.45
31200	20/ 500g	10.5"	13.5"	7.75"	0.63

PALLET INFORMATION:

Item Number	Pallet Configuration	Pallet Dimensions			Cubic Feet
		Height	Length	Width	
31105	99 Cases (4 layers of 12, 3 layers of 17)	72"	48"	40"	80
31150	45 Cases (5 layers of 6, 3 layers of 5)	67"	48"	40"	74
15909	105 Cases (7 layers of 15)	59"	48"	40"	65
41305	143 Cases (11 layers of 13)	64"	48"	40"	71
31200	105 Cases (7 layers of 15)	58.5"	51.0"	42"	72.5

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SHELF LIFE & STORAGE:SAF Instant[®] Yeast has a Shelf life of 24 Months if stored at < 80° F**KOSHER:**SAF Instant[®] Yeast is certified as Kosher-Pareve by KOF-K**LOT CODING:**

Lot coding on the product cases consists of 2 lines of information. The first line indicates date of production and the production sequence. The second line indicates the best used by date and the facilities internal coding which is not part of the product's lot code. Below is a detailed explanation of this.

First line:

P 01 13 LOT 12345/2 indicates the lot was produced in January 2013 and the 5 digit production sequence identifies the production facility as Safmex. "/2" indicates number of production/fermentations in a blend.

P 01 15 LOT 1234/2 indicates the lot was produced in January 2013 and the 4 digit production sequence identifies the production facility as Fermex.

Second Line:

E 01 15 6011IB0201 01 15 indicates the "Best Used By" date of January 2015. The alphanumeric code is the producing facility's internal product code

GMO 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. As a starting point, replace active dry yeast with $\frac{3}{4}$ the amount of SAF-Instant[®] Yeast or 25 percent less for equivalent fermenting power. SAF-Instant[®] Yeast will replace compressed yeast on an average at 33-40 percent of compressed yeast levels. When converting from compressed yeast, extra water is required to be added to the dough, approximately double the weight of the yeast.

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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

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