



Since 1956

**EMPOWERING INDUSTRIES WITH
PREMIUM OLEO CHEMICAL PRODUCTS**



OLEO CHEMICAL PRODUCTS CATALOGUE



Since 1956

Raj Group specializes in the manufacture of Oleo-Chemicals, namely Soap Noodles, pharma-grade Glycerine, High-End Bathing Soaps, Laundry Soap Bars, and Detergent Powder, and various grade of stearic acid, palmitic acid and oleic chemical which are proudly sold under our own brands, with a dedicated workforce of approximately 1000 employees directly employed. We have achieved an impressive Group sales turnover in excess of USD 97 Million and this year we are marching a head to achieve USD 122 Millions in the coming financial year.

We have established partnerships with renowned brands in the health and homecare sectors to manufacture their world-class products. Notably, we have collaborated with esteemed companies like Reckitt Benckiser (Dettol), ITC (Vivel), Patanjali (Ayurveda soap manufacturer), Wipro (Santoor), VVF reflecting their confidence in our capabilities.

CORPORATE PREMIUM PARTNERS





Since 1956

SOAP NOODLE GRADE : 80:20



RAJ INDUSTRIES

An ISO 9001-2015 Certified Company
DOC NO.-RI/GC/TSA/02

PRODUCT NAME: SOAP NOODLES
GRADE: 80:20

PRODUCT DATA SHEET

PRODUCT DESCRIPTION

Raj Soap Noodles are plant-based soap noodles derived from palm oil and coconut oils by using sodium hydroxide. This product is the main raw material for soap bar manufacturing. Depending on customer requirements, specialty soap noodle and customized formulation can be produced.

This product is the most common grade to make standard toilet soap bar.

PRODUCT SPECIFICATION

Sr. No	PARAMETERS	SPECIFICATION
1	Appearance	Pure white soap noodles
2	Colour (Lovibond in 5 1/4" Cell as Y+5R)	1.5 Maximum
3	Odour	Free from any objectionable odour
4	Total Fatty Matter	78.0% Min
5	Moisture and Volatile Matter	15.0 % Max
6	Glycerin Content	1.0 % Maximum
7	Free alkali (as NaOH)	Nil
8	Free Acid (as Palmitic)	1.5 % Maximum
9	Chloride Content	0.4-0.7 %
10	Titre °C	46.0 Maximum
11	Iodine Value	38-42
12	Chelating Agent	Present
13	Alcohol Insoluble Matter	1.0 %Maximum
14	Fatty Acid Composition	
	<C10	1.5 % Maximum
	C12(Lauric)	9.0 % Minimum
	C12+C14	13.0 % Minimum

PACKAGING INFORMATION

Packing	:	25 Kg and 50 Kg High-density polyethylene (HDPE) Bags
Storage	:	Keep stored in cool and dry place away from direct sun rays
Shelf Life	:	One Years if kept in good condition



RAJ INDUSTRIES

An ISO 9001-2015 Certified Company
DOC NO.-RI/GC/TSG/01

PRODUCT NAME: PALMITIC RICH
GRADE: CATTLE FEED

PRODUCT DATA SHEET

CAS No.57-10-3

EINECS No.200-312-9

Product Specification

PARAMETERS	UNIT	SPECIFICATIONS
Appearance	-	Creamish white flakes free from foreign matter
COLOUR (Lovibond), 5 1/4" Cell	RED/YELLOW	5.0/25.0 Max
ACID VALUE	mg KOH/g	210-216
SAPONIFICATION VALUE	mg KOH/g	211-217
IODINE VALUE	% I ₂ absorbed	15.0Max
TITRE	°C	55-60
FATTY ACID COMPOSITION		
Lauric Acid (C12)	% by GC	1.0 Max.
Myristic Acid (C14)	% by GC	5.0 Max.
Palmitic Acid (C16)	% by GC	85 Min
Stearic Acid (C18:0)	% by GC	4.0 Max
More than C18	% by GC	15 Max

Applications

Cattle feed.

Packing Information

Flakes available in standard 50kg bags. Customized packing size can be made available upon request.

Special Features

1. Made from Vegetable Oils.

Best before

12 months from the date of manufacturing in original packing, stored under standard conditions.

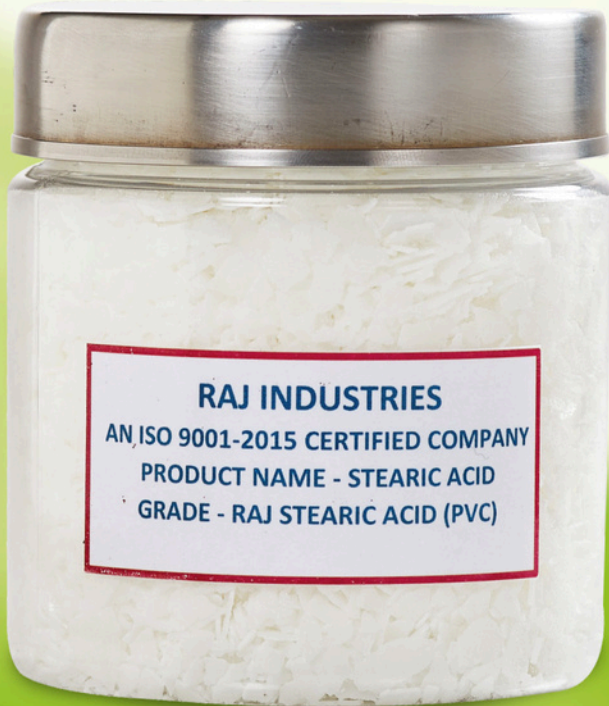
PALMITIC RICH GRADE : CATTLE FEED





Since 1956

RAJ STEARIC ACID GRADE : PVC



RAJ INDUSTRIES

An ISO 9001-2015 Certified Company
DOC NO: RI/02/716/01

PRODUCT NAME: STEARIC ACID
GRADE: RAJ STEARIC ACID (PVC)

PRODUCT DATA SHEET

CAS No.67701-03-5

EINECS No.266-928-5

Product Specification

PARAMETERS	UNIT	SPECIFICATIONS
Appearance	-	White flakes or beads free from foreign matter
COLOUR (Levibond), 5 X" Cell	RED/YELLOW	1.0/5.0 Max
ACID VALUE	mg KOH/g	203-209
SAPONIFICATION VALUE	mg KOH/g	204-210
IODINE VALUE	% I ₂ absorbed	3.0 Max
TITRE	°C	54-58
FATTY ACID COMPOSITION		
Lauric Acid (C12)	% by GC	1.0 Max.
Myristic Acid (C14)	% by GC	2.0 Max.
Palmitic Acid (C16)	% by GC	45-54
Stearic Acid (C18:0)	% by GC	38-50
C18:1	% by GC	5.0 Max.
Other	% by GC	2.0 Max.

Applications

Cosmetics and personal care products, Liquid and transparent soaps, candles, plastics, Lubricants, food ingredients, esters, surfactants, coatings, adhesives, industrial chemicals like fatty alcohol and fatty amines.

Packing Information

Flakes and beads available in standard 50kg bags. Customized packing size can be made available upon request.

Special Features

1. Highly stable product.
2. Made from Vegetable Oils.

Best before

24 months from the date of manufacturing in original packing, stored under standard conditions



RAJ INDUSTRIES

An ISO 9001-2015 Certified Company
DOC NO: RI/02/716/01

PRODUCT NAME: STEARIC ACID
GRADE: RUBBER GRADE

PRODUCT DATA SHEET

CAS No.67701-03-5

EINECS No.266-928-5

Product Specification

PARAMETERS	UNIT	SPECIFICATIONS
Appearance	-	White to off white flakes free from foreign matter
COLOUR (Levibond), 5 X" Cell	RED/YELLOW	5.0/25.0 Max
ACID VALUE	mg KOH/g	195 Min
SAPONIFICATION VALUE	mg KOH/g	196 Min
IODINE VALUE	% I ₂ absorbed	10 Max
TITRE	°C	54-58
FATTY ACID COMPOSITION		
Lauric Acid (C12)	% by GC	1.0 Max.
Myristic Acid (C14)	% by GC	2.0 Max.
Palmitic Acid (C16)	% by GC	30-38
Stearic Acid (C18:0)	% by GC	55-65
More than C18	% by GC	5.0 Max.

Applications

Candles, Lubricants, Coatings, Adhesives, Rubber and Tyers

Packing Information

Flakes available in standard 50kg bags. Customized packing size can be made available upon request.

Special Features

1. Made from Vegetable Oils.

Best before

24 months from the date of manufacturing in original packing, stored under standard conditions

STEARIC ACID GRADE : RUBBER





Since 1956

RAJ PALMITIC ACID GRADE : PA-1690



RAJ INDUSTRIES

An ISO 9001-2015 Certified Company
DOC NO. RI/IG/756/01

PRODUCT NAME: PALMITIC ACID
GRADE: RAJ PALMITIC ACID PA-1690

PRODUCT DATA SHEET

CAS No.57-10-3

EINECS No.200-312-9

Product Specification

PARAMETERS	UNIT	SPECIFICATIONS
Appearance	-	White flakes or beads free from foreign matter
COLOUR (Lovibond), 5 1/2" Cell	RED/YELLOW	1.0/6.0 Max
ACID VALUE	mg KOH/g	214-218
SAPONIFICATION VALUE	mg KOH/g	215-219
IODINE VALUE	% I ₂ absorbed	0.5 Max
TITRE	°C	60-63
FATTY ACID COMPOSITION		
Lauric Acid (C12)	% by GC	1.0 Max.
Myristic Acid (C14)	% by GC	5.0 Max.
Palmitic Acid (C16)	% by GC	90 Min
Stearic Acid (C18:0)	% by GC	4.0 Max
More than C18	% by GC	1.0 Max

Applications

Cosmetics and personal care products, animal feed, pharmaceuticals Liquid and transparent soaps, candles, plastics, rubber textiles, Lubricants, food ingredients, esters, surfactants, coatings, adhesives, industrial chemicals like fatty alcohol, fatty amines and used in agricultural chemicals.

Packing Information

Flakes and beads available in standard 50kg bags. Customized packing size can be made available upon request.

Special Features

1. Made form Vegetable Oils.

Best before

24 months from the date of manufacturing in original packing, stored under standard conditions



RAJ INDUSTRIES

An ISO 9001-2015 Certified Company
DOC NO. RI/IG/756/01

PRODUCT NAME: STEARIC ACID
GRADE: RAJ STEARIC ACID SA-1843
COSMETIC GRADE
PRODUCT DATA SHEET

CAS No.67701-03-5

EINECS No.266-928-5

Product Specification

PARAMETERS	UNIT	SPECIFICATIONS
Appearance	-	White flakes or beads free from foreign matter
COLOUR (Lovibond), 5 1/2" Cell	RED/YELLOW	1.0/5.0 Max
ACID VALUE	mg KOH/g	205-211
SAPONIFICATION VALUE	mg KOH/g	206-212
IODINE VALUE	% I ₂ absorbed	0.5 Max
TITRE	°C	54-57
FATTY ACID COMPOSITION		
Lauric Acid (C12)	% by GC	1.0 Max.
Myristic Acid (C14)	% by GC	2.0 Max.
Palmitic Acid (C16)	% by GC	49-58
Stearic Acid (C18:0)	% by GC	42-48
C18:1	% by GC	1.0 Max.
Other	% by GC	1.0 Max.

Applications

Cosmetics and personal care products, Liquid and transparent soaps, candles, plastics, Lubricants, food ingredients, esters, surfactants, coatings, adhesives, industrial chemicals like fatty alcohol and fatty amines.

Packing Information

Flakes and beads available in standard 50kg bags. Customized packing size can be made available upon request.

Special Features

1. Highly stable product.
2. Made form Vegetable Oils.

Best before

24 months from the date of manufacturing in original packing, stored under standard conditions

RAJ STEARIC ACID GRADE : SA-1843





Since 1956

REFINED GLYCERINE GRADE : IP



RAJ INDUSTRIES

An ISO 9001-2015 Certified Company.
DOC NO.-RI/QC/750/02

TECHNICAL DATA SHEET

PRODUCT INFORMATION

Product Name	:	Glycerin IP (Indian Pharmacopoeia)
Chemical Name	:	Propane-1,2,3-triol
Chemical Formula	:	$C_3H_8(OH)_3$
Molecular Weight	:	92.09
CAS Number	:	56-81-5
EC Number	:	200-289-5

PRODUCT DESCRIPTION

Glycerin (also called glycerol or glycerine) is a simple polyol (sugar alcohol) compound derived from Crude Glycerin recovered from natural fats and oil by splitting process. It is a colorless, odorless, viscous liquid that is widely used in pharmaceutical formulations. Glycerol has three hydroxyl groups that are responsible for its solubility in water and its hygroscopic nature. Glycerol is sweet-tasting and is non-toxic.

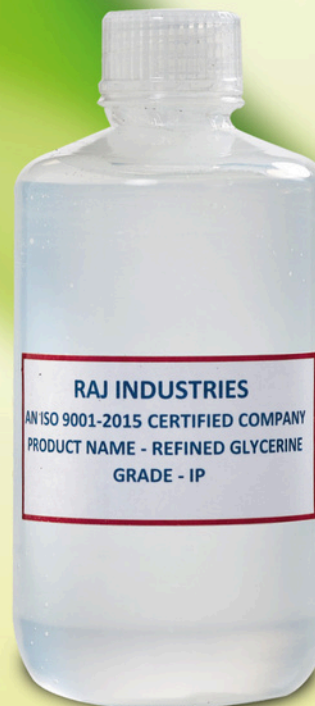
PRODUCT SPECIFICATION

S.NO.	DESCRIPTION	SPECIFICATION
1	Physicals Appearance	Colourless, syrupy, viscous liquid
2	Odour	Odourless
3	Colour in 5.25-inch Lovibond Cell (Y+R)	1 MAX
4	Glycerol % on anhydrous basis	99.0 - 101
5	Moisture %	2% MAX
6	Ash %	0.01% MAX
7	Alkalinity / -----	NIL
8	Specific gravity at 30 deg.	1.250 MIN
9	Chloride in PPM	25 MAX
10	Sulphate in PPM	30 MAX
11	Heavy Metal in PPM	5 MAX
12	Iron in PPM	4
13	Refractive index @20 deg.	1.4707 - 1.4750 MIN
14	Aldehyde & Reducing substance in PPM	5 MAX
15	% Fatty Acids & Ester, MI of 0.1N HCl required	8 MIN

PACKAGING INFORMATION

Packing	:	250 KG HDPE Drum
Storage	:	Keep stored in cool and dry place away from direct sun rays
Shelf Life	:	4 Years if kept in good condition

REFINED GLYCERINE GRADE : IP



RAJ INDUSTRIES

An ISO 9001-2015 Certified Company.
DOC NO.-RI/QC/750/02

TECHNICAL DATA SHEET

PRODUCT INFORMATION

Product Name	:	Glycerin IP (Indian Pharmacopoeia)
Chemical Name	:	Propane-1,2,3-triol
Chemical Formula	:	$C_3H_8(OH)_3$
Molecular Weight	:	92.09
CAS Number	:	56-81-5
EC Number	:	200-289-5

PRODUCT DESCRIPTION

Glycerin (also called glycerol or glycerine) is a simple polyol (sugar alcohol) compound derived from Crude Glycerin recovered from natural fats and oil by splitting process. It is a colorless, odorless, viscous liquid that is widely used in pharmaceutical formulations. Glycerol has three hydroxyl groups that are responsible for its solubility in water and its hygroscopic nature. Glycerol is sweet-tasting and is non-toxic.

PRODUCT SPECIFICATION

S.NO.	DESCRIPTION	SPECIFICATION
1	Physicals Appearance	Colourless, syrupy, viscous liquid
2	Odour	Odourless
3	Colour in 5.25-inch Lovibond Cell (Y+R)	1 MAX
4	Glycerol % on anhydrous basis	99.0 - 101
5	Moisture %	2% MAX
6	Ash %	0.01% MAX
7	Alkalinity / -----	NIL
8	Specific gravity at 30 deg.	1.250 MIN
9	Chloride in PPM	25 MAX
10	Sulphate in PPM	30 MAX
11	Heavy Metal in PPM	5 MAX
12	Iron in PPM	4
13	Refractive index @20 deg.	1.4707 - 1.4750 MIN
14	Aldehyde & Reducing substance in PPM	5 MAX
15	% Fatty Acids & Ester, MI of 0.1N HCl required	8 MIN

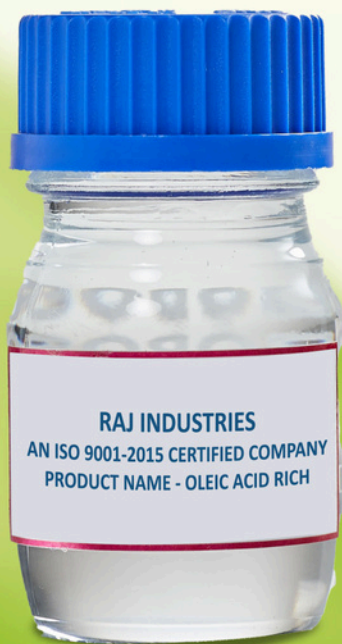
PACKAGING INFORMATION

Packing	:	250 KG HDPE Drum
Storage	:	Keep stored in cool and dry place away from direct sun rays
Shelf Life	:	4 Years if kept in good condition



Since 1956

DFA OLEIC ACID RICH



RAJ INDUSTRIES

An ISO 9001-2015 Certified Company
DOC NO.-RI/OC/196/01

Product name: DFA OLEIC ACID RICH

PRODUCT DATA SHEET

CAS No. 112-80-1

EINECS No. 204-007-1

Product Specification

PARAMETERS	UNIT	SPECIFICATIONS
Appearance	-	Slight Yellow Liquid
COLOUR (Lovibond), 1" Cell	RED/YELLOW	0.5 / 10.0 Max
ACID VALUE	mg KOH/g	190-205
SAPONIFICATION VALUE	mg KOH/g	192-207
IODINE VALUE	% I ₂ absorbed	129 Min
FATTY ACID COMPOSITION		
Palmitic Acid (C16)	% By GC	2.0 Max
Stearic Acid (C18:0)	% By GC	4.0 Max
Oleic Acid (C18:1)	% By GC	50.0 Min
Linoleic Acid (C18:2)	% By GC	35.0 Min
Others	% By GC	5.0 Max

Applications

Paint Manufacturing

Packing Information

Packing: 250 KG HDPE Drum, SS Tanker or Customized packing size can be made available upon request.

Storage: Keep stored in cool and dry place away from direct sun rays

Special Features

- Made from Vegetable Oils.

Best before

12 months from the date of manufacturing in original packing, stored under standard conditions.

PALMITIC ACID (85%)



RAJ INDUSTRIES

An ISO 9001-2015 Certified Company
DOC NO.-RI/OC/196/01

PRODUCT NAME: PALMITIC ACID (85%)

PRODUCT DATA SHEET

CAS No. 67701-07-9

EINECS No. 266-931-1

Product Specification

PARAMETERS	UNIT	SPECIFICATIONS
Appearance	-	Creamish white flakes, Beads free from foreign matter
COLOUR (Lovibond), 1" Cell	RED/YELLOW	0.5 / 5.0 Max
ACID VALUE	mg KOH/g	210-221
SAPONIFICATION VALUE	mg KOH/g	211-222
IODINE VALUE	% I ₂ absorbed	15.0 Max
TITRE	%	56 Min
FATTY ACID COMPOSITION		
Lauric Acid (C12) + Myristic Acid (C14)	% By GC	4.0 Max.
Palmitic Acid (C16)	% By GC	85 Min
Stearic Acid (C18:0)	% By GC	5.0 Max
Oleic Acid (C18:1)	% By GC	10 Max
Others	% By GC	05 Max

Applications

Palmitic Acid (85%) used in Animal feed, Food Ingredients, Esters, Surfactants, Cosmetics, and Personal care products, Industrial Chemicals like Fatty Alcohols, Fatty amines, Metal Stearates, Candles and wax.

Packing Information

Flakes & Beads available in standard 50kg bags. Customized packing size can be made available upon request.

Special Features

- Made from Vegetable Oils.

Best before

12 months from the date of manufacturing in original packing, stored under standard conditions.



Since 1956



The company has state of art facilities of hydrogenation and fractionation of a fatty acid to manufacture fatty acids, including stearic acid, palmitic acid, and oleic acid of all grades.

Having three independent soap neutralizations lines, Raj Industries produces the best quality soap noodles by ensuring that neutralization of fatty acids of vegetable oils takes place within 24 hours of distillation. The company has highly qualified, well experienced, professional and skilled personnel to maintain productivity & quality in products and operations.



Raj Industries

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