



Zohar Dalia Group

Established in 1939, Zohar Dalia cooperative agricultural association Ltd. is Israel's largest and most advanced manufacturer, supplier, and developer of detergents intermediates and cleaning products.

The group possesses an annual production capacity of more than 80,000 tons of materials for the global industrial and institutional market.

Zohar Dalia is active in three main areas:

Surfactants business unit

Professional business unit

Retail business unit

Located in a biosphere area in Northern Israel, Zohar Dalia is fully committed to protecting the environment, for both our employees and the surrounding area.

Zohar Dalia operates in accordance with ISO Quality Standards:

ISO 9001

ISO 18001

ISO 14001

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Zohar Dalia Global Agro Division Products cover three primary areas:

- Pesticides
- Raw materials and surfactants
- Sanitation and post harvest solutions

All Zohar Dalia Pesticides:

- Have exhibited no resistance in all field and lab tests since their introduction
- Are constantly being tested and improved
- Should not be used on crops not appearing on label
- Should not be mixed with pesticides not appearing on label
- Should be tested on small plot samples before being used on new crops, crop varieties or in new tank mixes

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ZOHAR LQ-215

Product Type: Insecticidal and Fungicidal Detergent

Active Ingredient(s): 170 gr/Lit. detergents

Target: white flies in: watermelon, melon, eggplant, pepper, squash, potato, herbs ,and powdery-mildew in mango flowers.

Capabilities:

- Controls whitefly (*Bemisia tabaci*), nymphs and pupae of whiteflies in all crops. It controls instantly, by direct contact.
- Suppresses the transmission of non-persistent viruses, vectored by aphids, such as ZYMV in squash, melons and watermelons.
- A strong fungicidal eliminator and deterrent, especially against powdery mildew.
- Being a detergent, can be used as an efficient surfactant (wetting agent), in combination with all insecticides and fungicides.
- Being non-toxic, completely biodegradable and harmless to beneficial insects, ZOHAR LQ-215 fits well with the concepts of IPM and organic agriculture, and can be applied up to harvest.

Usage: Rate of application - 0.4% in sufficient volume of spray.





ZOHAR NAT/ PT-50

Product Type: Contact, non-systemic Insecticidal Soap

Active Ingredient(s): 500 gr/Lit. potassium salts of naturally derived fatty acids.

Target: Controls soft bodied pests. Provides excellent control of APHIDS in all crops, including citrus, vegetables and ornamentals.

Capabilities:

- Controls instantly, by direct contact, soft bodied pests.
- Used as an efficient surfactant (wetting agent), in combination with all insecticides and fungicides.
- Non-toxic, completely biodegradable and harmless to beneficial insects, ZOHARNAT fits well with the concepts of IPM and organic agriculture, and can be applied up to harvest.

Usage: Rate of application - 2.0% - 3.0% in sufficient volume of spray.





ZOHAR NAT35

Product Type: Non-Systemic Fungicidal Detergent

Active Ingredient(s): 340 gr/Lit. Detergents

Target: Cladosporium and Botrytis in tomato, botrytis in basilicum.

Capabilities:

- Controls *Fulvia fulva* (*Cladosporium fulvum*) in tomato and botrytis cinerea in tomato and basilicum.
- Used as an efficient surfactant (wetting agent), in combination with all insecticides and fungicides.
- Non-toxic, completely biodegradable and harmless to beneficial insects
- Fits well with the concepts of IPM and organic agriculture, and can be applied up to harvest.
- Contact, non-systemic fungicide.

Usage: Rate of application – 0.5% in sufficient volume of spray.





ZOHAR OC-6

Product Type: Herbicide for Organic Agriculture according to NOP American standard.

Active Ingredient(s): 500 gr/Lit anionic and nonionic detergents.

Target: Broad-leaves, and narrow-leaves weeds. Emerging seedlings and young plants.

Capabilities:

- A non-selective, contact herbicide, used in organic agriculture.
- The product burns the plants by contact. Best results are achieved when the weeds are not higher than 10 cm.
- High volume of spray is needed for best control.

Usage: Rate of application: 25%-30%.

Spray volume: 300-600 Lit/Ha.

*** Since the herbicide is not selective, treatment should be done before planting or (pre-plant) or pre-emergence application. In tree crops (orchards, vineyards) application is safe at any time.**





ZOHAREX A-10

Product Type: A surfactant, used for a variety of applications, including herbicides and cotton defoliation.

Active Ingredient(s): Fatty acid polyglycolester 100%(coconut oil)

Target: Organic and regular agriculture.

Capabilities:

- An efficient surfactant (wetting agent),it can be used in combination with all insecticides and fungicides.
- Natural, biodegradable ingredients (coconut oil).
- Non-toxic, completely biodegradable and harmless to beneficial insects, ZOHAREX A-10 fits well with the concepts of IPM and organic agriculture, and can be applied up to harvest.

Usage: rate of application 0.5% in a sufficient volume of spray





Post Harvest-Cleaners,Disinfectants and Processing Aid

Fruit & Vegetable Disinfectants

- Chlorine tablets(Nadcc)
- Peroxyacetic acid
- Lactic Acid
- Chlorine Dioxide-Acidified sodium chlorite solutions
- QUAT's-Quaternary Ammonium Salts
- Sodium/Calcium hypochlorite ,Hypochlorous acid
- Cleaners
- Alkali/Acid/Neutral cleaners for Personnel, housing and equipment

Processing Aids

- De-foamers for food contact
- H1 Lubricants for the food industry





NONIONICS

Product	Chemical name	Form	Active %	Remarks
ZOHAREX A-10	Fatty Acid Polyglycol Ester	Liquid	100	Surfactant, wetting agent.



AMPHOTERICS

Product	Chemical name	Form	Active %	Remarks
ZOHARTAINÉ AB	N-Lauryl/Myristyl Betaine	Liquid	30	<p>Good foaming agent, recommended in various industrial cleaner formulations.</p> <p>Used also in mild shampoo formulations. Compatible in wide pH ranges.</p> <p>Stable in hypochlorite and hydrogen peroxide formulations.</p>
ZOHARTAINÉ 12	N-Lauryl Betaine	Liquid	30	<p>Good foaming agent, recommended in various industrial cleaner formulations.</p> <p>Used also in mild shampoo formulations. Compatible in wide pH ranges.</p> <p>Stable in hypochlorite and hydrogen peroxide formulations.</p>





ANIONICS

Product	Chemical name	Form	Active %	Remarks
LABS-100/W	Linear Alkyl Benzene Sulphonic Acid	Liquid	100	High 2 Phenyl. Universal detergent intermediate.
LABS-100/L	Linear Alkyl Benzene Sulphonic Acid	Liquid	100	Low 2 Phenyl. Universal detergent intermediate
LABS-100/N	Linear Alkyl Benzene Sulphonic Acid	Liquid	100	High 2 Phenyl, low Tetralin. Universal detergent intermediate.
ZOHARLAB 40	Sodium Linear Alkyl Benzene Sulphonate	Liquid	40	A basic product for the manufacture of liquid, paste & powder detergents.
ZOHARLAB 60	Sodium Linear Alkyl Benzene Sulphonate	Liquid	60	A basic product for the manufacture of liquid, paste & powder detergents.
EMULGIT 60	Calcium Linear Alkyl Benzene Sulphonate	Liquid	60	Emulsifier for production of emulsifiable concentrates in agricultural & veterinary applications.



EMULGIT HF	Calcium Linear Alkyl Benzene Sulphonate (high flash point)	Liquid	80	Emulsifier for production of emulsifiable concentrates in agricultural & veterinary applications.
ZOHARPON ETA 27	Sodium Laureth Sulphate (2EO)	Liquid	27	For shampoos & bath products. Excellent foaming agents, low skin irritation properties suitable for baby products, dishwashing & cleaning products.
ZOHARPON ETA 70	Sodium Laureth Sulphate (2EO)	Paste	70	General use surfactants for shampoos & bath products. Excellent foaming agents and low skin irritation properties
ZOHARPON 273	Sodium Laureth Sulphate (3EO)	Liquid	27	General use surfactants for shampoos & bath products. Excellent foaming agents and low skin irritation properties.
ZOHARPON 703	Sodium Laureth Sulphate (3EO)	Paste	70	General use surfactants for shampoos & bath products. Excellent foaming agents and low skin irritation properties
ZOHARPON LAS	Sodium Lauryl Sulphate	Liquid	30	High flash foam and cleaner for personal care and detergents.



ZOHARPON LAS/V	Sodium C12-C16 Alcohol Sulphate	Liquid	30	High flash foam and cleaner for personal care and detergents. Used in emulsion polymerization.
ZOHARPON SLS USP	Sodium Lauryl Sulphate	Granules	95	High flash foam and cleanser for toothpastes, shampoos and liquid soaps powder detergents and emulsion polymerization. Different granule sizes offered.
ZOHARPON SLS 1024 USP	Sodium Lauryl Sulphate	Granules	95	High flash foam and cleanser for toothpastes, shampoos and liquid soaps powder detergents and emulsion polymerization. Different granule sizes offered.
ZORAPOL SN-9	Sodium Nonoxynol 9 Sulphate	Liquid	32	Used in emulsion polymerization and as a detergent base.
ZORAPOL AN	Ammonium Nonoxynol 9 Sulphate	Liquid	32	Used in emulsion polymerization and as a detergent base.
ZOHARPON DOS	Sodium Dioctylsulphosuccinate	Liquid	70	Wetting agent.
ZOHARPHOS AA-3	Alkyl Ether Phosphate, Acid form	Liquid	100	Antistatic agent , in emulsifier blends. Compatibility agent.
ZOHARPHOS A-3	Potassium Alkyl Ether Phosphate	Paste	70	Antistatic agent , in emulsifier blends. Compatibility agent.



ZOHARPHOS AP 10	Nonoxynol 10 Phosphate	Viscous liquid	100	Excellent hydrotrope. Scale and corrosion inhibitor. Pigment dispersant.
ZOHARPHOS RA-600	Alkyl Ether Phosphate Acid form	Liquid	100	Combines good detergency emulsifying and corrosion inhibiting properties.



CATIONICS AND QUATERNARIES

Product	Chemical name	Form	Active %	Remarks
ZORAMOX CTO	Decylamine Oxide	Liquid	30	Controlled foaming surfactant for industrial applications. Good coupling and detergency. Hypochlorite stable.
ZORAMOX DDO	Lauramine Oxide	Liquid	30	Foam booster, viscosity builder, high detergency, grease emulsifier. Used also in sodium hypochlorite products.



ZORAMOX MO	Myristamine Oxide	Liquid	29	Foam booster, viscosity builder, high detergency, grease emulsifier. Used also in sodium hypochlorite products.
ZORAMOX LO	Lauryl/Myristyl Amine Oxide	Liquid	30	Foam booster, viscosity builder, high detergency, grease emulsifier. Stable in Sodium Hypochlorite and Hydrogen Peroxide products.
ZORAMOX CAO	Cocamine Oxide	Liquid	30	Foam booster, viscosity builder, high detergency, grease emulsifier. Stable in Sodium Hypochlorite and Hydrogen Peroxide products.
ZORAMOX E	Oleamine Oxide	Viscous Liquid	32	Used in personal care products as hair conditioner, viscosity builder and foam booster.
ZORAMOX	Cocamidopropyl Amine Oxide	Liquid	35	Foam booster and gentle conditioner in shampoos. Viscosity builder also in lowpH. Grease emulsifier and foam booster in dishwashing liquids

