



Zahabiya Chemical Industries

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PRODUCT DATA

Zahabiya NLC-01

NOZZLE LINING COMPOUND

(Special ZNLC-010/Standard ZNLC-011)

INTRODUCTION:

Zahabiya **NLC-01**, is rubberised Sealing Compound, used in the fabrication of Tin Containers, composite cans etc. having metallic (tin) top/bottom ends to **provide a gasket between two metal contacts to prevent any possible leakage/seepage**; of the contents to be filled-in. It is a free flowing rubberised gaskety material, as finely divided dispersion of synthetic/ natural rubber latex in water, containing essential polymers / resins, plasticizers, preservatives, anti-oxidants, wetting agents which on perfect drying (curing) will provide an Air-Tight double seam of the tin cans applied in. The dried film (air curing or preferably hot air stoving) of this compound is **Non-Toxic, Non-Poisonous & Non-Rusting** to Tin Plate/TFS, provided used in the same original form, as supplied.

Suitable mostly for the round ends, (top/bottoms) of the containers made to fill a very wide range of the products e.g. PAINTS, VARNISHES, LACQUERS, EMULSIONS, EDIBLE & LUBRICATING OILS AND GENERAL FOOD PRODUCTS. It is suitable equally for the metallic seam joints of air/oil automotive filters, **as the oil proof & diesel resistant gasket.**

For the packaging of **SPECIAL FOOD PRODUCTS, JUICY, SPICY ITEMS, MILK, JELLIES, MEAT PRODUCTS, SEA FOODS** and for such other allied types of Vacuum packed tins; Cans to be closed by steam or without steam, OTS cans, our **FOOD GRADE NOZZLE LINING COMPOUND SPECIAL ZNLC-010** is recommended and preferred. This product is formulated only from raw materials that comply with the USA Food and Drug Administration (FDA) regulations, CFR Title 21 part 175.300 (b) (xxxii) Resinous and Polymeric Coatings; Can End Cements (Sealing Compounds). **NOZZLE LINING COMPOUND-SPECIAL** is also usable for the tin containers containing PESTICIDES or INSECTICIDES formulations.

For the ends sealing of metallic **COLLAPSIBLE TUBES**, used to fill-in **Ointments, Petroleum Jelly based medical formulations, Tooth Pastes, Oral Pastes** etc., Acrylic Resin/ Latex based, **NOZZLE LINING COMPOUND-SPECIAL; TUBE GRADE IS AVAILABLE.**

APPLICATION:

Nozzle Lining Compound is applied on the ends of Tin Cans (Top/Bottom) by means of a pressure controlled Lining machine. In this kind of machine the Lining Compound is retained in a vertically placed well sealed (air-tight) vessel, provided with the air pressure system, to facilitate the flow of compound into a rubber pipe and then ejected through a pre-selected size nozzle, on to the top or bottom channels (curled) of tins. The application and the layer thickness of the compound printed down (transferred) is controlled by the air pressure setting gauge, which regulates the compound flow through the tube in the pre-selected nozzle aperture, fitted at the end. For the different diameters of the top/bottom ends, appropriate nozzle size is fitted and the air pressure is adjusted to suit the flow of the compound. EVERY CARE should be taken to ensure that the surfaces of all the fittings, valves, tanks and pipes; likely to come in contact with the compound are made up of Iron / Stainless Steel and not of copper, Brass, Aluminium or Galvanised metal because these tend to have harmful effects on the properties of the compound.

PREFERABLY: mix well and strain the compound before pouring in the reservoir (vessel), to prevent any solid particles to enter into the nozzle tube and retard uniform flow. As the compound is THIXOTROPIC, it must be vigorously agitated before every use to ensure uniform mixing of all the ingredients throughout. Keep the container Air-Tight after every usage. Also ensure that the surface applied on is perfectly degreased to have the best results.

ESSENTIAL

WHILE ORDERING FOR THE PRODUCT KINDLY PLACE YOUR ORDERS FOR SPECIFIC GRADE AS SUITS YOUR END RESULTS. WE SHALL BE SUPPLYING THE APPROPRIATE GRADE/QUALITY ON YOUR SPECIFIC REQUIREMENTS, IF INFORMED.

IMPORTANT NOTICE: The Information & Data contained herein are correct to the best of our knowledge, tests and experience. These are presented in good faith to the users for their guidance. The recommendations and suggestions mentioned are made without guarantees or representations as to the results. The Consumer should satisfy himself as to the suitability of the product for the intended purpose and use. WE ASSUME; NO LIABILITY for damages of any kind and the user accepts the product 'as is' and without any other warranties, expressed or implied. Our warranty is limited to replacement of proved defective Zahabiya original product only, provided used within its shelf life; as supplied originally.



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PROPERTIES:

COLOUR:

Normally Light Gray, But may be supplied in other shades on request. (as bulk order)

ODOUR:

Slightly ammoniac smell in liquid state. No remarkable smell on curing.

DENSITY:

Average weight being 1.15 Kg./1.20 Kg. per litre, depending upon grades supplied.

SPECIFIC GRAVITY:

At 25°C 1.25° Baum'. Total Solids being 55%(±1) as w/v in (ZNLC-011) and 62.5% (±1) in ZNLC-010 grade.

DRYING:

Both the grades of 'Nozzle Lining Compounds' are Air Drying; however the film resistance properties greatly improve on stoving at 120°C for about 5-8 minutes, in air circulatory oven. (On hot plate, stoving at 110°C for 3 minutes).

COMBUSTIBLE:

Non-Flammable in liquid state.

CHEMICAL BEHAVIOUR:

The dried (stoved/cured) layer is Water & Oil Proof, resists aliphatic hydrocarbons, greases etc.

SAFETY:

A "*Human Friendly/ Environmentally Acceptable Product*" Safe in Handling, Non-Rusting, Non-Toxic and perfectly Safe for edible products. If deeply inhaled give plenty of water and consult Doctor.

APPLICATION:

Through pressure activated Nozzled spray system, mechanised lining compound machine; or through nozzle tipped can.

SEASONING:

Use the lined ends, after 24 hours room temperature storage, before fabrication of can.

COVERAGE:

Flat surface covering area on metallic surface being approximately 7.5 Sq.Mt. Per Kg. (Roller Coating).

DILUENT:

Cold distilled water , liquor ammonia (20% strength). Max. Dilution: 3%, if essential.

STORAGE:

To be stored in air tight, secured capped containers, at well ventilated place; away from Heat & Sun, preferably between 20°C to 30°C. Use within one year from the supply date to ensure best results. As the product is THIXOTROPIC, must be mixed thoroughly before each usage.

PACKING:

Normally supplied in Air-tight P.E. containers & drums.

GRADES:

NOZZLE LINING COMPOUND-STANDARD (NLC-011) IS FOR GENERAL USAGE CANS & NOZZLE LINING COMPOUND-SPECIAL (NLC-010) "FOOD GRADE" FOR FOOD CANS, SYRUPS, SPICY & JUICY PRODUCTS AND NOZZLE LINING COMPOUND-SPECIAL TUBE GRADE FOR ENDS SEAL OF METALLIC COLLAPSIBLE TUBES FOR MULTIPURPOSE USAGE.