



ISO 9001:2008  
Certified Company

# Zahabiya

## LID SEALSOL LS-809

### Plastisol Based Lid Gasket Compound for Metal Pails

Zahabiya LID SEALSOL LS-809 is vinyl resin based, heat curing one component gasketing compound, used by the metallic pails manufacturers for application at metallic top lid channel to provide a soft seal/gasket forming a cushion between both metal contacts at pail body's top and lid to prevent any possible leakage/seepage of the contents to be filled/packed. It is a plastisol based liquid gasket material, which on hot curing provides a soft rubberised spongy gasket ring being Non-Toxic, Non-Corrosive & Non-Rusting to metal sheet, provided used as supplied. It can be solidified in any desired shape depending on the cavity and die formation as suits the specific requirements. This product is characterised by high gelation rate and minimum settling and is thixotropic in nature. It dries up or cures only after the suggested heat treatment to give a uniform, flexible solid end seal (gasket) of permanent nature. The product is safe in handling and contact.

Suitable mostly for lids for small metallic drums and pails meant for packaging/ filling a very wide range of products including:

- 1 Special Formulated Products.
- 1 Paints, Varnishes & Lacquers.
- 1 Lubricating Oils & Greases.
- 1 Pesticides and Insecticides.
- 1 Other Corrosive Products.

**COLOUR:**

Grey, White, Orange. Optional colours available for bulk orders.

**ODOUR:**

Free from unpleasant odour. No remarkable smell on heat curing.

**VISCOSITY:**

370 cST (5% dilution with SMT).

**DENSITY:**

1.21 kg/litre. [ASTM D1475]

**NON-VOLATILE:**

98% w/w. [ASTM D2369]

**CURING:**

The product cures only after application of constant heat. Recommended to be cured in an air circulatory oven, at specified temperatures ranging between 175°C to 185°C, for 8 to 10 minutes. For best results, carefully adjust the curing time according to the stoving system, volume/ size of the flange/ metallic end, and thickness of the gasket required. The gelation temperature is proportionate to the stoving time and thickness of the compound poured-in.

**BEHAVIOUR:**

The properly cured gasket seal is very soft and flexible, non-cracking, cold & hot water proof, vapour barrier, fuel/oil & solvent proof, resistant to acid/ alkali, corrosive products, pesticides/insecticides etc.

**DILUENT:**

Use white spirit (SMT) if unavoidable. However, diluent must not exceed 5% by weight for better use.

**APPLICATIONS:**

In the production of metallic pail/ conical pails, metallic ends (top cover lids) are lined with the plastisol by pressure activated lining machine to obtain soft spongy seal / gaskets. Applied by Nozzle equipped lining spray system by means of air-pressure controlled lining machine, to facilitate the flow of compound through a pre-selected size nozzle, on to the lid's flange/channel. The volume of the compound sprayed down (transferred) is controlled by the air pressure setting gauge. EVERY CARE should be taken to ensure that the entire lining system likely to come in contact with the compound is completely dry because presence of water/moisture tend to have detrimental effects on the properties of the Lid Seal Sol LS-809.

PREFERABLY strain the compound before pouring in the reservoir. As the compound is THIXOTROPIC, it must be slowly agitated before use, to ensure uniform mixing of all the ingredients throughout. Keep airtight in the original container after every use. Also ensure that the surface applied on is perfectly cleaned, degreased and dried to get the best results.

**SAFETY:**

Safe in Handling, Non-Corrosive, Non-Toxic and safe. Non-Flammable in liquid as well as cured form.

**SHELF LIFE:**

Normally usable for 9 months on proper storage; between 25°C to 30°C. As the material is thixotropic, the viscosity may increase on long storage. If viscosity increases on storage, add diluent and mix very slowly, use after 2 hours. Store in well ventilated place away from direct sunlight.

**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. 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 the replacement of so proved defective Zahabiya original product only, provided used within shelf life as supplied originally.

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