



# OLEORESIN EMULSIFIERS



MOHINI ORGANICS PVT. LTD.

Mohini Organics manufactures range of Surfactants, Emulsifiers and Esters for various applications in Cosmetics, Explosives, Food, Plastics, Leather and Textile Chemical Auxiliaries including spice extractives and oleoresins.

Oleoresins are naturally occurring oils and resinous constituents that contribute towards taste and colour. Solvent extraction or supercritical fluid extraction techniques are commonly used in manufacturing spice oleoresins.

Oleoresins can replace the ground spices with standardised taste and aroma and can be produced with requirements of the individual demands accurately. They are economical with standard parameters that can be analysed and have longer shelf life compared to ground spices. These can be blended to achieve the flavour as per the taste requirements. Oleoresins are prepared from the spices such as Capsicum (Paprika), Pepper (Black and White), Turmeric, Basil, Cardamom, Celery Seeds, Garlic, Onion, Ginger, Nutmeg, Vanilla, Fenugreek and many more.



Extracts and oleoresins are not uniform due to the presence of lipophilic, hydrophilic and insoluble particles contributed by essential oils, non-volatile components and crystals of active components which may not form a homogeneous product.

Oleoresins being semi solids to sticky mass which are difficult to solubilise in any medium to make the product flow able and useable in the different applications, for the ease of use they are blended with many types of ingredients such as vegetable oils, essential oils and EMULSIFIERS (For Water Soluble and Oil Soluble) formulations. Diluents are necessary to cut down the strengths and standardize flavour, colour and aromatic constituents.

The selection of oil soluble and water soluble surfactant depends upon the HLB (Hydrophilic Lipophilic Balance) value of the surfactant. Higher HLB value (more than 10) makes the surfactant water soluble and less than this is oil soluble. These surfactants help Oleoresins to apply the product in its final application depending on its requirements by end user.

Mohini Organics provide a range of food grade emulsifiers for improving the solubility, flow characteristics and standardization of oleoresins.

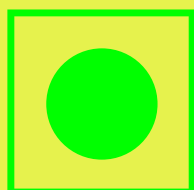


Product Name	E Number	Solubility	Application
Monebat <sup>®</sup> - 80	E433	Water Soluble	Used to bring water solubility to Oleoresins like Pepper, Capsicum, Paprika, Turmeric, Onion, Garlic, etc.
Monebat <sup>®</sup> - RX80	E433	Water Soluble	To make Oleoresin water soluble like Pepper, Capsicum, Paprika, Turmeric, Onion, Garlic, etc.
Monebat <sup>®</sup> - HR40	----	Water Soluble	Used as an emulsifier to give water solubility to Paprika Oleoresin
Monegyl <sup>®</sup> - T99	E1518	Oil Soluble	Used as an emulsifier to give free flow and homogeneity to Pepper Oleoresins
Monegyl <sup>®</sup> - T370	----	Oil Soluble	As an emulsifier to the Oil soluble Oleoresins for low temperature stability
Monegyl <sup>®</sup> - T060 Hi	----	Oil Soluble	As an diluent and solubilizer to the Oil soluble Oleoresins like Paprika, Turmeric, etc.
Monegyl <sup>®</sup> - G060	E471 (Liquid)	Oil Soluble	Used as an emulsifier and solubilizer to bring the better solubility to Oleoresins like Pepper, Nutmeg, etc.
Softemul <sup>®</sup> - SE	E471 (Solid)	Oil Soluble	Being solid in nature, it can be used as an emulsifier to encapsulate the Oleoresin of Oil soluble nature
Monemul <sup>®</sup> - 80 Hi	E494	Oil Soluble	Used as an emulsifier with little high viscosity to bring the Oil solubility to Oleoresin

... and other tailor-made products can be offered in close coordination with Oleoresin producers.



**KOSHER**



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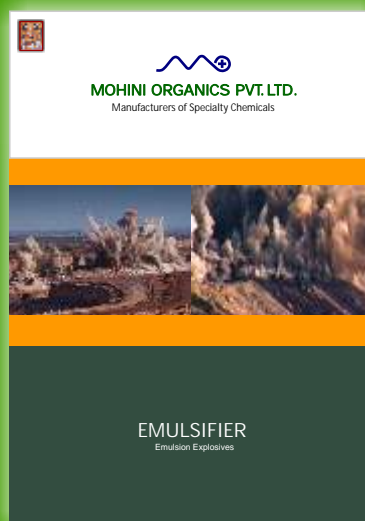
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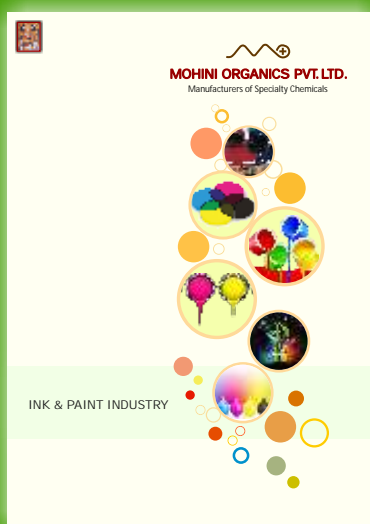
We also cater to ...



Polymer Additives



Emulsion Explosives



Ink & Paint Industry



Surfactants for Cosmetics



**'We Grow by Quality'**

**MOHINI ORGANICS PVT. LTD.**  
**Manufacturers of Specialty Chemicals**

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