



IOI OLEOCHEMICAL

PHARMA

SOFTISAN[®] 601

TECHNICAL DATA SHEET

DESCRIPTION

SOFTISAN® 601 is a ready-to use ointment base for O/W-emulsions. It is a blend of tri- and partial glycerides, stabilized glyceryl ricinoleate of natural vegetable fatty acids, polyethylene glycols and a skin compatible ethoxylated non-ionic emulsifier.

APPLICATION

SOFTISAN® 601 is used as an O/W ready to use base for all types of creams and it is also used in O/W lotions in lower concentrations.

SOFTISAN 601 is also suitable for wound healing ointments. Its compatibility with active pharmaceutical ingredients is excellent.

CHEMICAL AND PHYSICAL PROPERTIES

Tests	Values	Typical values	Units	Methods
Acid value	max. 1	0.7	mg KOH/g	Ph. Eur. 2.5.1
Drop point	44 – 49	47.9	°C	Ph. Eur. 2.2.17
Hydroxyl value	230 – 270	244	mg KOH/g	Ph. Eur. 2.5.3
Ethylene oxide	max. 1	1	ppm	Ph. Eur. 2.4.25

Above mentioned tests are a selection of relevant parameters and do not represent the complete current sales specification.

SOFTISAN® 601 is a yellowish to white solid pastilles exhibiting a greasy touch and a slight odour. It is suitable for the preparation of skin compatible, wash-off O/W creams, showing a water absorption capacity of up to 65 %. The emulsions are finely dispersed, quick to produce and they are of a high stability.

SOFTISAN® 601 can also be used for waterfree preparations.



ADDITIONAL INFORMATION

A precise processing temperature is no longer necessary when SOFTISAN® 601 is used, as opposed to the usual manufacturing processes of emulsions.

The addition of water, either manually or with a high-speed agitator, can be done at temperatures between 40°C and 80°C. Agitation should be continued until the resulting emulsion is cold. Any air that may have been incorporated should be removed by vacuum prior to filling.

The aqueous phase must be protected against microbial attacks. When choosing a preservative, make sure that it does not migrate into the oil phase and lose its desired effect. Be sure that the non-ionic emulsifiers do not deactivate the preservation.

PACKAGING UNITS

Soft greasy pellets in cartons with a PE inliner of 15 kg net.

HANDLING AND SHELF LIFE

If stored longterm in original tightly closed containers, dry, protected from light and moisture and below 25°C, the shelf life then is at least two years.

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