



326 Exchange Drive
Arlington, Texas 76011
817-469-7777

Technical Data Sheet SPI-Cyclic 5 NF

Applications:

Excipient for pharmaceutical applications

Benefits:

Non skin-cooling Vaporization
Non-greasy with easy rub-out
Soluble in alcohol and many other solvents

Meets requirements for NF/USP
Monograph for cyclomethicone USP29

Description:

SPI-Cyclic 5 NF is a cyclic volatile silicone fluid which can be used in topical formulations for pharmaceutical applications. It has excellent skin feel with a transient emollient sensory. It is recommended for use in lotions, creams, gels, serums for a variety of pharmaceutical applications.

Typical Properties & Data

<i>Appearance</i>	Clear, Colorless Fluid
<i>Viscosity (at 25°C)</i>	4 cst
<i>Flash Point</i>	77°C
<i>Refractive Index (at 25°C)</i>	1.397
<i>Boiling Point</i>	205°C
<i>Freezing Point</i>	<-50°C
<i>Surface Tension</i>	18 mN/m



326 Exchange Drive
Arlington, Texas 76011
817-469-7777

<i>(D5) content</i>	>97%
<i>(D4) content</i>	<1%
<i>UNII</i>	NMQ347994Z
<i>Chemical Structure</i>	$n/5 [(CH_3)_2SiO]_n \rightarrow n [(CH_3)_2SiO]_5$
<i>CAS# NF</i>	69430-24-6
<i>CTFA / INCI Designation</i>	Cyclopentasiloxane
<i>IR/GC Identification</i>	Match against standard

The values mentioned are not intended for use in preparing specifications. We have made every effort to ensure these values are correct as of the revision date of this document.

Method of Use:

SPI-Cyclic 5 NF may be used alone or blended with other silicone fluids to provide bases for many pharmaceutical formulations. It is soluble in alcohols and many other solvents. It has high compatibility with many pharmaceutical ingredients.

Recommended Usage Level:

Usage level is highly dependent on application and is usually between 1.0 and 50%.

Packaging:

185 kg drums.

Storage and Shelf Life:

The product should be stored below 32°C. Shelf life of the opened or un-opened container is 30 months from the date of manufacture. Do not handle at temperatures above 77°C. Do not dry. After opening, store the material in a tightly closed container. If you wish to use this product after this time, please contact us for details.



326 Exchange Drive
Arlington, Texas 76011
817-469-7777

Toxicity and Handling

Please see our SPI-Cyclic 5 NF safety data sheet for more details. Information for safe use of this product is not included in this document. Before handling please read container labels and the safety data sheet for physical, environmental and health hazard information.

Limited Warranty Information:

Although every effort has been made to ensure that the information contained within this data sheet is reliable, we cannot be held responsible for the correctness of the information or for any loss, injury or damage which may result from its use. Suggestions of uses should not be taken as inducements to infringe any particular existing patent.

Company Details:

Silicones Plus, Inc.

P: 817-469-7777

www.siliconesplus.com

326 Exchange Drive Arlington, Texas 76011

F: 817-303-7070

Email: samples@siliconesplus.com