Technical Data Sheet

Brand Calsil
Market Chemicals
Product name Calsil IE 60

1. Product Description
An aqueous emulsion of polydimethylsiloxane

2. Key Properties
- Ready to use non-ionic emulsion
- Outstanding resistance to heat: no thermal degradation, which would be susceptible to leave carbonaceous residues
- Chemical inertness
- Good water repellent properties (glass industry)
- Complete incompatibility with some organic matters
- Good lubricating power
- General purpose release agent

3. Benefits
- Does not contain alkylphenolethoxylates (APEO)
- Complies with Detergent Regulation (EC) No. 648/2004
- Good emulsion stability.

4. Applications
Calsil IE 60 has been specially formulated for use as polish ingredient and release agent/lubricant either "as received" or "pre-diluted" with water. Its formulation, stability and efficiency can lead to a variety of applications.

- As ingredient in polishes, Calsil IE 60 is used to provide good gloss with minimum smear in both car and furniture polish formulations
- As a release agent, Calsil IE 60 should be applied to clean surfaces in dilutions to 30-100 times its volume by spraying, padding, or brushing. It is applicable to hot surfaces (up to 250°C). Add the water (low hardness) in the emulsion
- In the textile industry, Calsil IE 60 may be used as follows:
    - For softening effect as an additive to finish formulations.
    - As a lubricant, after addition to sizing formulae provided that it should be compatible with other constituents of the formula; after treatment, drying occurs in the usual conditions, without polymerisation.
    - As a brightener for natural or synthetic furs. The treatment is made using spray or lick roll techniques, and drying occurs in the usual conditions: a glossy appearance is thus obtained. Calsil IE 60 gives no water repellency to the substrates.

The quantity of Calsil IE 60 used will depend upon the desired effect and properties.

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Typical Properties (not for sales specifications, please contact us prior to writing sales specs)

Properties	Units	Values
Appearance		White liquid
Non volatile content	%	64
Specific Gravity		1
pH		7 – 9,5
Emulsifier		Non-ionic

5. How to Use

Calsil IE 60 can be used as received or in a diluted form. For use as a release/lubricant Calsil IE 60 may be applied at received in a diluted form by the conventional methods of spraying, dipping, wiping or brushing. Low hardness water should be used for dilution.

6. Handling

This document does not contain safety precautions. Before handling this material, please read the Material Safety Data Sheet, check the label on the container, and conform to the safety, physical and hazard guidelines and precautions. The Material Safety Data Sheet is available from your nearest Caldic office.

7. Storage and Shelf Life

This product should be store in its original unopened containers at a temperature below 26°C. To prevent freezing store above 5°C. It can be used within the 18 months following its production date.

8. Packaging

Available in 1.000 kg IBC, 200 kg drums, 25 kg pails.

9. Restrictions

This ingredient is solely proposed in industrial applications. It is not suitable to be used in cosmetic, medical, human injection, pharmaceutical or food applications.

10. Limited Warranty PLEASE READ CAREFULLY

- The information herein is offered in good faith. It is believed to be accurate at the time of shipment.
- It should not be used as a substitute for the customer's test, the customer bears the responsibility to ensure that the product matches the intended application is safe and achieves the desired benefits.
- The product warranty is limited to the refund value of the purchase or the replacement only when it is demonstrated that the product is out of the agreed sales specifications.
- Calsil is a registered trademark of Caldic B.V. All rights reserved.

For more information, please contact our nearest office

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