GLYCERINE

CremerGLYC

Glycerine is a by-product of saponified, hydrolyzed or transesterified fats and oils. After being recovered in a crude state, it is refined through distillation. Physically, glycerine is a water-soluble, clear, colorless and odorless, sweet-tasting and viscous liquid with a high boiling point. Chemically, glycerine is a trihydric alcohol capable of being reacted yet stable under most conditions. Because of these unusual properties, its good compatibility with numerous other substances and the ease of processing it, glycerine is used in many areas. Whether used in cosmetics, medicines, foodstuffs or in the technical field, glycerine is an extremely useful and versatile raw material.

Cosmetics
Moisturizes, conditions the skin and prevents its dehydration

Foodstuffs
Preservative, humectant and emollient, consistency and flavor enhancer, as a solvent for flavors and food colors

Pharmaceuticals
Solvent, moistener and humectant, bodying agent for tinctures, elixirs, and ointments

Feed
Moisturizer in dry feed, improves the taste, source of glucose in bovine ketosis. (veterinary medicine)

Technical uses
Antifreeze agent in formulations, chemical alcohol for reactions

Glycerine Portfolio

- Crude Glycerine 80,0%
- CremerGLYC Glycerine 86,5%
- CremerGLYC Glycerine 99,5%
- CremerGLYC Glycerine 99,7%
- CremerGLYC Glycerine Organic
- CremerGLYC Glycerine Organic RSPO/IP
- Further qualities on request

<table>
<thead>
<tr>
<th>Specification</th>
<th>Form</th>
<th>Packaging</th>
<th>Certification</th>
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<tbody>
<tr>
<td>Ph.Eur, USP, E422, JP, BP, DAB</td>
<td>Liquid</td>
<td>Bulk, ISO containers, Flexi-Bags, IBCs, Drums, Cans</td>
<td>Kosher, Halal, ISO 22000, GMP+, QS, IPEC, HACCP, ECOCERT, RSPO</td>
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