

DOWSIL™ 8024 Food Contact Release Emulsion

Silicone release agent for direct and indirect food contact



Compliance and performance?

Food processors and suppliers need solutions that provide the flexibility to respond to market trends and meet regulations while continuing to improve productivity. With new silicone release technology from Dow, meeting those needs has become a little easier.

DOWSIL™ 8024 Food Contact Release Emulsion, the first silicone release material to achieve GB 9685 certification, delivers highly efficient release for a wide range of direct and indirect food contact applications, including beverage cups, lids and food containers. It also provides lubricity for food transfer belts. Heat-resistant, odorless, nonstaining and noncorrosive, the release emulsion offers performance advantages as well as compliance with major global and regional industry regulations.

The silicone advantage

Silicones provide efficient release at levels as low as 1-2% (actives), providing reduced release agent cost, better process control and lower rejection rates. Ideal for high-temperature applications, silicones offer superior oxidation resistance and buildup prevention. The low-volatility of DOWSIL™ 8024 Food Contact Release Emulsion eliminates excessive film and smoke.

Potential applications

- As a release agent for paper and plastic part release applied in various food containers, including lunchboxes, beverage/coffee cup lids, milk tea cups, etc.
- De-nesting agent for thermoformed plastic food trays and containers
- As a lubricant for production equipment, including food conveyors and transfer belts
- As an anti-blocking agent for paper and plastic sheets
- As an additive for reformulating with organics



Benefits

- Useful as release agent for direct and indirect food contact
- High release efficiency
- Heat resistance performance
- Odorless
- No oil staining
- Noncorrosive
- Retains lubrication on surface
- Compliance with major industry regulations and certifications
 - GB 9685 (PET plastic, coating, adhesive, paper)
 - FDA (21 CFR 175.300, 21 CFR 176.170, 21 CFR 176.180, 21 CFR 181.28)
 - BfR XXXVI, XXXVI/2, BfR XV
 - Regulation (EU) 10/2011
 - NSF M1 and 3H
 - Halal
 - Kosher

Composition

Emulsifier type	Nonionic
Diluent	Water



Typical properties

Specification writers: These values are not intended for use in preparing specifications. Please contact your local Dow sales office before writing specifications on this product.

Test ⁽¹⁾	Property	Result
CTM 0176	Appearance	Milky-white liquid
CTM 0862	Nonvolatile content	36.5-42.5% w/w
CTM 0001	Specific gravity	1.0
CTM 0007	pH	3-5

⁽¹⁾CTM: Corporate Test Method. Copies of CTMs are available upon request.

Learn more

To request samples of DOWSIL™ 8024 Food Contact Release Emulsion or to obtain contact information for your local sales/technical representative or distributor, visit: dow.com/food.



Seek Together™

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