



Technical Data Sheet

DOWSIL™ 8024 Food Contact Release Emulsion

40 percent solid/active content, food-contact, silicone emulsion

Features & Benefits

- Compliance to GB9685 (for China food contact), FDA, EU, BfR and Halal
- Release agent that can be used with a variety of plastics and rubbers
- Easy to use due to water compatibility

Composition

- Water based emulsion of polydimethylsiloxane

Applications

- Release agent for a variety of plastics and rubbers
- Release agent for food contact with compliance to GB9685, FDA, EU, BfR and Halal
- Provides anti-stick for plastic sheet

Typical Properties

Specification Writers: These values are not intended for use in preparing specifications.

CTM ¹	Property	Unit	Result
0176	Appearance		Milky-white liquid
0862	Non-Volatile Content	%w/w	38–42
0001	Specific Gravity		1.0
0007	pH		3–5
	Emulsifier Type		Nonionic
	Diluent		Water

1. CTM: Corporate Test Method, copies of CTM's are available upon request.

Description

DOWSIL™ 8024 Food Contact Release Emulsion is an emulsion type release agent containing polydimethylsiloxane as the base.

It can be used as a release agent for food packaging containers because DOWSIL™ 8024 Food Contact Release Emulsion has compliance to GB9685 (for China food contact), FDA, EU, BfR and Halal.

How to Use

DOWSIL™ 8024 Food Contact Release Emulsion can be diluted with water to adjust concentration. Shows good release performance at 1% or more of active content.

Please coat the surface of plastic sheets uniformly by spray, brush, coating, dipping etc. when using DOWSIL™ 8024 Food Contact Release Emulsion for plastic parts release.

In case of coating to mold, please remove oils, carbides, and any other foulings which may negatively affect the release layer on the mold beforehand.

Precautions during use:

- Start with clean mixing tank, delivery lines, pad box and rolls
- Dilute the emulsion with cold water only
- Do not use a high shear stirrer when making finishing liquor
- Drinkable/potable water with low hardness should be used for dilution

Handling Precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT DOW.COM, OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

Usable Life and Storage

DOWSIL™ 8024 Food Contact Release Emulsion will freeze so adequate precautions should be taken. In case of freezing, thaw at room temperature before use to reconstitute. To prevent freezing, store above 5°C. When stored at or below 35°C in the original unopened containers, this product has a usable life of 12 months from the date of production.

Packaging Information

DOWSIL™ 8024 Food Contact Release Emulsion: 20 kg pail and 200 kg drum.

Limitations

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

Health and Environmental Information

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, dow.com or consult your local Dow representative.

dow.com

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