

# Mold release agent

## DAIFREE GW-4010

 TECHNICAL  
DATASHEET

**DAIFREE GW-4010 is an aqueous mold release agent made with a combination of silicone and surfactant. It serves a wide range of resin and rubber release applications.**

### Summary

- **Excellent release performance.** As it forms a thin film on a mold, **precision release** is achievable.
- Due to the dry coating film, the **transition to molded part is lower**, and minimizes any tackiness.
- **Productivity improves** with less mold stains and mold wash cycles.

### General properties

Item	Unit
Appearance	milky white liquid
Specific gravity	1.00 (25°C)
Solid content	5 mass%
Solvent	Water
Recommended dilution ratio	5-10 times
Diluent	Water *1(ion-exchange water, tap water)
Classification	non-hazardous material

The above values are representative values and not guaranteed values.

\*1 Avoid using groundwater or industrial water. Stability may be reduced after dilution.

We recommend using ion-exchange water, as tap water in some areas contains metal ions.

### Application

- Thermosetting Resins: Epoxy, Unsaturated polyester, Phenol, etc.
- Thermoplastics: PE, PP, PVC, ABS, etc.
- Rubbers: SBR, NBR, EPDM, FKM, CR, ACM, etc.

### Method of use

#### (1) Dilution

Dilute moderately with water (ion-exchange water is recommended) and mix evenly.

Some of the ingredients may settle, so please stir well before use.

Usage should be commenced soon after dilution. Avoid long-term storage with diluent.

#### (2) Apply Procedures

-For the first time, remove the old mold release agent from the mold.

Refer next to: **“Mold cleaning method”**

- Apply a uniform coating film by using an air spray device or cloth.

It is ideal to spray 2 -3 times lightly with less concentration rather than applying high concentration once.

Please keep in mind that excessive use of mold release agents is a common cause of mold stains.

Please evaluate an appropriate amount by a few trials.

### (3) Mold cleaning method

- For simple stains, old mold release agents can be removed by wiping off with solvents such as "Toluene" or "Acetone".
- Alkaline cleaning agents are also effective for complete removal.

### Recommended Temperature Range

Room temperature up to 200°C

### Handling / Safety information

- Be sure to read the Safety Data Sheet (SDS) and precautions on the label before using.
- This product has been developed for industrial purposes and we do not guarantee the safety if used for any other purpose.
- If the product is intended to be used for medical or food applications, please contact us in advance.

### Package size

15kg (Plastic drum)

**For more information, visit our website.**

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