Fluorochemical surfactant

[Catalog/Physical properties table]





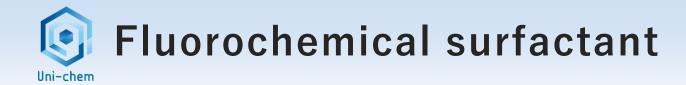
Company Website

Product Website

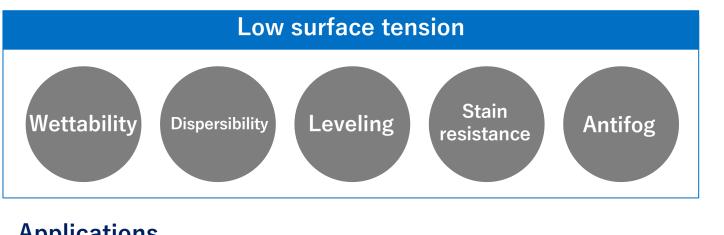


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Our products, fluoro-surfactants, provide lower surface tension with small addition amounts (0.01~0.1%) compared to other surfactants (hydrocarbon-based, siliconebased).



Applications

- Floor wax
- Cleaning agents
- Release agents
 - Photo resist
- Paints Inks
- Coating agents

- PTFE dispersions
- Prevents grease base oil from spreading
- Release film
- Various internal additives for stain resistance etc⋯

Conventional products

Product	lonic	Category	Surface tension 0.1wt%		
NO.	character		PGMEA	Toluene	Water
U-103	Non-ionic	Polymer system	20.9	20.0	26.9
U-104	Non-ionic	Contains hydrophilic group	27.8	27.0	19.4
U-107	Non-ionic	Contains hydrophilic group	23.7	-	25.7
U-116	Non-ionic	Contains hydrophilic group	27.6	26.6	20.4
U-117	Non-ionic	Contains hydrophilic group	27.0	26.8	21.3
U-168	Non-ionic	Contains hydrophilic group	27.7	27.6	17.1
U-204	Anion	-	27.6	-	22.5
U-207	Amphoteric	—	21.9	-	26.5
U-255	Non-ionic	Contains lipophilic group	27.7	28.3	25.2
U-259	Non-ionic	Contains hydrophilic & lipophilic groups	27.6	28.1	25.8
U-279	Non-ionic	Polymer system	23.1	22.3	-
U-280	Non-ionic	Polymer system	21.3	22.3	-
U-410	Cation	—	27.3	-	21.6
U-411	Cation	—	27.3	21.7	16.5
U-412	Cation	-	20.7	-	20.4
U-413	Cation	—	20.8	-	31.1

Non-PFHxA Type

As an alternative to conventional products, we offer non-PFHxA type fluoro-surfactants with low environmental regulation risk.

Our products can achieve the same performance as conventional products. While they solve the problem of persistence, their heat resistance may be inferior to conventional products, so use in applications requiring heat resistance is limited.

Product NO.	lonic character	Category	Surface tension 0.1wt%		
			PGMEA	Toluene	Water
U-180	Non-ionic	Rolymor ovotom	26.1	25.6	35.6
0-100	NON-IONIC	Polymer system	20.1	20.0	55.0
U-186	Non-ionic	Polymer system	26.7	27.2	-
U-218	Non-ionic	Polymer system	25.6	26.7	42.8
U-219	Non-ionic	Polymer system	27.4	28.1	-
U-220	Non-ionic	Polymer system	27.6	27.9	-
U-409	Amphoteric	_	-	-	15.9

Non-PFAS Type

This is a fluorochemical surfactant that does not contain PFAS*. Because it does not contain PFAS, its performance is significantly inferior to conventional products, but it can replace conventional products in some applications. It has been particularly successful in leveling applications. *PFAS is defined by ECHA (European Chemicals Agency)

Product	lonic	Category	Surface tension 0.1wt%		
NO.	character		PGMEA	Toluene	Water
U-275	Anion	Polymer system	27.6	-	34.2
U-291	Anion	Polymer system	27.7	28.5	29.4
U-253	Non-ionic	Polymer system	27.4	28.4	-
U-405	Non-ionic	Polymer system	27.5	27.8	_

Customized Synthesis	We synthesize samp It is possible to prov
Continuous supply	We promise continu from the market due discontinue product
Substitute for existing products	If the product you an discontinued, we ca like the existing prod

ples individually for each user. vide materials that meet your needs.

uous supply and will not withdraw le to our own reasons. We will not ts even if the quantity is small.

are conventionally using has been an provide you with a product that is as oduct as possible.