

Foreverest Resources Ltd

Cooling Agent WS-5

WS-5

Cooling agent WS-5 (N-((ETHOXYCARBONYL)METHYL)-P-MENTHANE-3-CARBOXAMIDE) is a powerful synthetic coolant used to provide a cooling sensation in various products. WS-5 delivers a potent (Strength 4) and lasting cooling effect (about 10 minutes). The WS series cooling agents supplied by our company have unique advantages in the supply chain. Welcome to purchase.

Substance Identification

Synonyms	N-((ETHOXYCARBONYL)METHYL)-P-MENTHANE-3-CARBOXAMIDE
CAS	N/A
EINECS	

FEMA	N/A
HS.CODE	
Molecular Formula	C15H27NO3
Molecular Weight	269.38

Application & Uses

- WS-5 is widely used in a variety of products, including oral care items (toothpaste, mouthwash), cosmetics (creams, lotions), food and beverages, pharmaceuticals, and personal care products (shampoos, conditioners).

Features & Benefits

- WS-5 provides the strongest cooling effect.
- It is more stable than menthol and other traditional cooling agents, making it suitable for formulations that require a consistent and prolonged cooling effect.
- It is generally recognized as safe (GRAS) for use in food, cosmetic, and personal care products when used within recommended concentrations.

Recommended usage level	WS-5	
	min	max
Fog-fluid	1500 ppm	45000 ppm
Beverage	10 ppm	100 ppm
Toothpaste	500 ppm	4000 ppm
Mouthwash	50 ppm	4000 ppm

Hard candy
Chewing gum
Creams & Lotions

100 ppm
1000 ppm
5000 ppm

3000 ppm
15000 ppm
50000 ppm

Sales Specification

ITEM	VALUE	TEST METHOD & UNIT
Cooling Strength	4	@Menthol was set as 1 as a reference
Cooling Longevity	10	minutes

ITEM	VALUE	TEST METHOD & UNIT
Cooling Strength	1.5	@Menthol was set as 1 as a reference
Cooling Longevity	6	minutes

ITEM	VALUE	TEST METHOD & UNIT
Cooling Strength	4.5	@Menthol was set as 1 as a reference
Cooling Longevity	12	minutes

ITEM	VALUE	TEST METHOD & UNIT
Cooling Strength	3.5	@Menthol was set as 1 as a reference
Cooling Longevity	36	minutes

ITEM	VALUE	TEST METHOD & UNIT
Cooling Strength	0.75	@Menthol was set as 1 as a reference
Cooling Longevity	8	minutes

Package

- Customizable packaging details.

GHS Hazard Statements

Storage

- Flammable materials should be stored in a separate safety storage cabinet or room
- Ground all equipment containing material
- Keep away from heat
- Keep away from sources of ignition
- Keep container tightly closed
- Keep in a cool, well-ventilated place

Relation Products

- [Cooling Agents WS-3](#)
- [Cooling Agent WS-10](#)
- [Cooling Agents WS-12](#)
- [Cooling Agents WS-23](#)
- [Menthol](#)

Relation Articles

- [Overview of Cooling Agents](#)

Remark

The above information is believed to be accurate and presents the best explanation currently available to us. We assume no liability resulting from above content. The technical standards are formulated and revised by customers' requirement and us, if there are any changes, the latest specification will be executed and confirmed in the contract.