

Foreverest Resources Ltd

Cooling Agents WS-3

WS-3

Cooling agent WS-3 (as known as Koolada 3, N-Ethyl-p-menthane-3-carboxamide) is a synthetic compound used to provide a cooling sensation in various consumer products. It offers a cooling effect of 1.5 and lasts up to 6 minutes. It is valued for its mild, pleasant, and long-lasting cooling properties, making it a versatile ingredient in many consumer products.

Substance Identification

Synonyms	N-Ethyl-p-menthane-3-carboxamide
CAS	N/A
EINECS	

FEMA	N/A
HS.CODE	
Molecular Formula	C13H25NO
Moleclar Weight	211.34

Application & Uses

- WS-3 is widely used in various products, including oral care items (toothpaste, mouthwash), cosmetics (creams, lotions), food and beverages, pharmaceuticals, and personal care products (shampoos, conditioners).

Features & Benefits

- Slight menthol flavor, strong and lasting cool taste, slow and steady release of ice feeling, slight camphor and mint flavor.
- 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-3	
	min	max
Fog-fluid	2250 ppm	22500 ppm
Beverage	10 ppm	100 ppm
Toothpaste	1000 ppm	10000 ppm
Mouthwash	50 ppm	2000 ppm
Hard candy	150 ppm	1500 ppm
Chewing gum	5000 ppm	20000 ppm

Sales Specification

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	@Menthol was set as 1 as a reference
Cooling Longevity	10	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 Agent WS-5](#)
- [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.