

Foreverest Resources Ltd

Cooling Agents WS-23

99%

WS-23 (2-Isopropyl-N,2,3-trimethylbutanamide) is renowned for its clean and long-lasting cooling effect (with a cooling strength of approximately 0.75). Unlike menthol, WS-23 delivers a cooling sensation without any accompanying minty flavour or odour, making it highly versatile for a wide range of applications.

Substance Identification

Synonyms	2-Isopropyl-N,2,3-trimethylbutanamide
CAS	N/A
EINECS	

FEMA	N/A
HS.CODE	
Molecular Formula	C10H21NO
Moleclar Weight	171.28

Application & Uses

- Oral Care Products: Such as toothpaste, mouthwash
- Cosmetics: For example, creams, lotions
- Food and Beverages
- Pharmaceuticals
- Personal Care Items: Like shampoos, conditioners

Features & Benefits

- Excellent Stability: Making it ideal for formulations requiring a consistent and prolonged cooling effect.
- It has a mild, refreshing mint flavour that is strong and impactful, and the cooling sensation dissipates quickly (lasting approximately 7 minutes).
- Safety Accreditation: It is Generally Recognised As Safe (GRAS) for use in food, cosmetic, and personal care products when applied within recommended concentrations.

Recommended usage level	WS-23	
	min	max
Fog-fluid	450 ppm	2250 ppm
Beverage	3 ppm	24 ppm

Toothpaste	300 ppm	3000 ppm
Mouthwash	15 ppm	600 ppm
Hard candy	30 ppm	150 ppm
Chewing gum	1500 ppm	9000 ppm
Creams & Lotions	1500 ppm	15000 ppm

Sales Specification

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

ITEM	VALUE	TEST METHOD & UNIT
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

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-5](#)
- [Cooling Agent WS-10](#)
- [Cooling Agents WS-12](#)
- [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.

Manage consent