



# Choline Salicylate



## PRODUCT IN FOCUS



## Choline Salicylate Solution

### INTRODUCTION

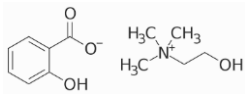
Choline salicylate is a salicylate salt formed from choline and salicylic acid. It is a non-steroidal anti-inflammatory agent (NSAID-type compound) mainly used for its analgesic, anti-inflammatory, and mild antiseptic properties. Unlike acetylated salicylates, it is less irritating to the gastric mucosa and is commonly used in topical oral preparations such as gels and mouth paints.

Chemical nature:

- ✓ Water-soluble salicylate salt
- ✓ Often supplied as a clear, viscous liquid or aqueous solution

### MANUFACTURE

It is typically manufactured by neutralization of salicylic acid with choline base.

|                          |   |
|--------------------------|---|
| <b>Synonym(s)</b>        | (2-Hydroxyethyl)-trimethyl ammonium salicylate                                      |
| <b>CAS no.</b>           | 2016-36-6   |
| <b>EINECS no.</b>        | 217-948-8   |
| <b>Molecular formula</b> | $C_{12}H_{19}NO_4$  |
| <b>Molecular weight</b>  | 241.28  |
| <b>Structure</b>         |  |

### APPLICATIONS

#### Pharmaceutical

- Mouth ulcer treatment gels
- Pain-relief oral gels
- Throat preparations
- Topical anti-inflammatory formulations
- Dental pain relief products

It is widely used in oral mucosal formulations because it:

- penetrates tissue easily
- provides local pain relief
- reduces inflammation

#### Veterinary

- Used in topical anti-inflammatory preparations for animals.

#### Cosmetic / personal-care

- Occasionally used in oral care formulations for soothing inflamed gums



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### SPECIFICATIONS

| Test                           | Unit  | Specification   |
|--------------------------------|-------|---|
| Description                    | -     | A clear, light yellow to light brownish liquid with pink shade  |
| Identification                 |       |   |
| a) By IR Absorption Spectrum   | -     | The infrared absorption spectrum of the test sample should be concordant with the reference spectrum of Choline Salicylate (RS 059) |
| a) By test for Salicylate      | -     | The resulting solution should yield the reaction characteristic of salicylate   |
| Clarity and Colour of Solution | -     | The Solutions should be clear and colourless  |
| Weight per mL                  | g/mL  | Between 1.070 - 1.110   |
| Chloride                       | %     | NMT 0.1   |
| Acidity                        | -     | NMT 0.4mL of 0.1N sodium hydroxide should be required to change the colour from yellow to reddish violet                            |
| Assay by Titration             | % w/v | Between 47.5 - 52.5   |

### PACKING

HDPE Drum

### STORAGE

Keep in tightly sealed containers in a cool, dry, well-ventilated area at room temperature

### CERTIFICATIONS

WHO-GMP, WC, US-FDA, DMF

ExSyn offers Choline salicylate on commercial scales and welcomes enquiries. Our exceptional quality and service will make ExSyn your supplier of choice! If you need additional information or SDS, please contact us.