



Medically reviewed by [Sally Chao, MD](#). Last updated on Oct 1, 2021.



**Official answer**  
by Drugs.com

MCMD: 2/14/2023 according to the Acella website, NP Thyroid no longer contains maltodextran. Both NP Thyroid and Armour have incipients that can be problematic. Incipients can be reviewed at [drugs.com](#) (click this box)

### Calcium Stearate

Medically reviewed by Drugs.com. Last updated on Oct 10, 2022.  
Excipient (pharmacologically inactive substance)

#### What is it?

Calcium stearate (C<sub>36</sub>H<sub>70</sub>CaO<sub>4</sub>) is a mixture of calcium oxide with solid fatty acids such as stearic and palmitic acids. It is used as pharmaceutical excipient in manufacturing and used for tablet and capsule lubrication. It has good anti-adherent and lubricant properties but poor glidant properties. Calcium stearate is also used in cosmetics and food products.<sup>[1]</sup>

Calcium stearate is used in oral drug formulations and is reported as nontoxic and nonirritant. It is listed on the FDA Generally Regarded as Safe database.<sup>[1][2]</sup>

NP Thyroid and Armour Thyroid are two different brands of natural thyroid hormone tablets.

Both products are made using dried ground thyroid glands from pigs and contain a combination of two thyroid hormones, triiodothyronine (T3 liothyronine) and tetraiodothyronine (T4 levothyroxine) in the same proportion. Some of the inactive ingredients in the two medicines are different.

NP Thyroid contains the following inactive ingredients:

- Calcium stearate
- Dextrose monohydrate
- Maltodextrin
- Mineral oil

#### Dextrose Monohydrate

Medically reviewed by Drugs.com. Last updated on May 16, 2022.  
Excipient (pharmacologically inactive substance)

##### What is it?

Dextrose (C<sub>6</sub>H<sub>12</sub>O<sub>6</sub>), also known as corn sugar, is a common binder used in the pharmaceutical industry. Binders are added to tablet formulations to add cohesiveness to powders and provide the necessary bonding to form a compact tablet mass. As a medical product, dextrose may be in fluids containing various amounts of sugars to be given when a patient needs additional fluids and calories for energy. It may also be used as a vehicle to provide other injectable medicines. There are two stereo-isomers of glucose, only one of which (D-glucose) is biologically active, and is often referred to as dextrose monohydrate (dextrose). The mirror-image of the molecule, L-glucose, cannot be metabolized by cells in the biochemical process known as glycolysis.<sup>[1][2]</sup>

#### Maltodextrin

Medically reviewed by Drugs.com. Last updated on Feb 2, 2023.  
Excipient (pharmacologically inactive substance)

##### What is it?

Maltodextrin is a food additive used in the production of candy, soft drinks, and beer. Maltodextrin is easily digestible and is slightly sweet. Maltodextrin is commonly produced from corn or wheat. It may also be used as a filler in sugar substitutes such as sucralose or aspartame.

### Microcrystalline Cellulose

Medically reviewed by Drugs.com. Last updated on Aug 29, 2022.

Excipient (pharmacologically inactive substance)

#### What is it?

Microcrystalline cellulose (C<sub>6</sub>H<sub>10</sub>O<sub>5</sub>)<sub>n</sub> is refined wood pulp. It is a white, free-flowing powder. Chemically, it is an inert substance, is not degraded during digestion and has no appreciable absorption. In large quantities it provides dietary bulk and may lead to a laxative effect.

Microcrystalline cellulose is a commonly used excipient in the pharmaceutical industry. It has excellent compressibility properties and is used in solid dose forms, such as tablets. Tablets can be formed that are hard, but dissolve quickly. Microcrystalline cellulose is the same as cellulose, except that it meets USP standards.<sup>[1]</sup>

It is also found in many processed food products, and may be used as an anti-caking agent, stabilizer, texture modifier, or suspending agent among other uses. According to the Select Committee on GRAS Substances, microcrystalline cellulose is generally regarded as safe when used in normal quantities. <sup>[2][3][4]</sup>

Armour Thyroid contains

- Calcium stearate
- Dextrose
- Microcrystalline cellulose
- Sodium starch glycolate
- Opadry white

#### Mineral Oil

Medically reviewed by Drugs.com. Last updated on Jul 4, 2022.  
Excipient (pharmacologically inactive substance)

##### What is it?

It is also used as a common ingredient in lotions, creams, ointments, and cosmetics. Mineral oil is also called 'liquid petroleum,' 'paraffin oil,' and 'white mineral oil.' Mineral oil is also used as a general purpose lubricant in industry.<sup>[1]</sup>

### Sodium Starch Glycolate

Medically reviewed by Drugs.com. Last updated on Jan 17, 2023.

Excipient (pharmacologically inactive substance)

#### What is it?

Sodium starch glycolate is the sodium salt of carboxymethyl ether. Starch glycolates are of rice, potato, wheat or corn origin. Sodium starch glycolate is a white to off-white, tasteless, odorless, relatively free flowing powder.

Sodium starch glycolate is used as a pharmaceutical grade dissolution excipient for tablets and capsules. Sodium starch glycolate absorbs water rapidly, resulting in swelling which leads to rapid disintegration of tablets and granules. It is used as a disintegrant, a suspending agent and as a gelling agent. Without a disintegrant, tablets may not dissolve appropriately and may effect the amount of active ingredient absorbed, thereby decreasing effectiveness. <sup>[1] [2]</sup>

## Who makes NP Thyroid and Armour Thyroid?

NP Thyroid is manufactured by Acella Pharmaceuticals.

Armour Thyroid is manufactured by Allergan Pharm

➤ <https://www.angenechemical.com/products/show/AGN-PC-0VOA61.html>

Opadry White 20A18273(CAS# 889676-18-0) - [angenechemical.com](#)

Opadry White 20A18273(CAS# 889676-18-0) supply. Ruthenium,[1,3-bis(2,4,6-trimethylphenyl)-2-imidazolidinylidene]dichloro(phenylmethylene)(tricyclohexylphosphine ...



## Armour Thyroid

Used for Thyroid Cancer, Hyperthyroidism, Hypothyroidism, and Goiter

Prices Interactions Adverse events Clinical pearls Warnings/Precautions

### First, match your prescription

120mg Armour Thyroid (90 tablets)

### Next, pick a pharmacy to get a coupon

Norristown, PA

**ACME** ACME Sav-On ~~\$184~~ retail Save 11% **\$163.82**

**ACME** Acme Markets Pharmacy ~~\$184~~ retail Save 11% **\$163.82**

**weis** Weis Pharmacy ~~\$203~~ retail Save 14% **\$172.77**

**Wegmans** Wegmans ~~\$244~~ retail Save 29% **\$173.37**

**Giant** Giant Pharmacy ~~\$246~~ retail Save 11% **\$173.77**

**ShopRite** ShopRite ~~\$249~~ retail Save 30% **\$173.87**

**Community, a Walgreens Pharmacy** ~~\$184~~ retail Save 9% **\$176.59**

**CVS Pharmacy** ~~\$184~~ retail Save 7% **\$176.69**

**Target (CVS)** ~~\$184~~ retail Save 7% **\$176.69**



## NP Thyroid

Used for Thyroid Cancer, Hyperthyroidism, Hypothyroidism, and Goiter

Prices Interactions Adverse events Clinical pearls Warnings/Precautions

### First, match your prescription

120mg NP Thyroid (90 tablets)

### Next, pick a pharmacy to get a coupon

Norristown, PA

Lowest price

**weis** Weis Pharmacy ~~\$126~~ retail Save 52% **\$102.35** [Get free savings](#)

**Walmart** Walmart ~~\$109.67~~ retail price [Learn more](#)

**ACME** ACME Sav-On ~~\$146~~ retail Save 22% **\$113.97** [Get free savings](#)

**ACME** Acme Markets Pharmacy ~~\$146~~ retail Save 40% **\$113.97** [Get free savings](#)

**Wegmans** Wegmans ~~\$120.8~~ retail Save 41% **\$119.36** [Get free savings](#)

**Community, a Walgreens Pharmacy** ~~\$129.60~~ retail price [Learn more](#)

**Walgreens** Walgreens ~~\$130.59~~ retail price [Learn more](#)

**Target (CVS)** Target (CVS) ~~\$131.34~~ retail price [Learn more](#)

**CVS Pharmacy** CVS Pharmacy ~~\$131.37~~ retail price [Learn more](#)

## Armour Thyroid

Tablets

Rx Prescription required FSA or HSA eligible

Form Oral Tablet

Strength

120 MG (2 GR)

Frequency

1 tablet per day

Supply

90 days (90 tablets)

Retail price: \$175.50

Price: ~~\$172.40~~

**prime** FREE Two-D

You save: **\$3.10 (2%)** as a Prim

[Details](#)

OR

Price with insurance

## Np Thyroid

Tablets

Rx Prescription required FSA or HSA eligible

Form Oral Tablet

Strength

120 MG

Frequency

1 tablet per day

Supply

90 days (90 tablets)

Retail price: \$153.00

Price: ~~\$140.00~~

**prime** FREE Two-D

You save: **\$13.00 (9%)** as a Pri

[Details](#)