

# SAFETY DATA SHEET

(in accordance with Regulation (EU) 2015/830)

**thuya**  
PROFESSIONAL LINE

## THY020-Permanent Gel

Version: 1  
Revision date: 18/09/2017

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### SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY/UNDERTAKING.

#### 1.1 Product identifier.

Product Name: Permanent Gel  
Product Code: THY020

#### 1.2 Relevant identified uses of the mixture and uses advised against.

Product destined for application on eyebrows and eyelashes.

#### Uses advised against:

Uses other than those recommended.

#### 1.3 Details of the supplier of the safety data sheet.

Company: **Thuya S.L.**  
Address: Carrer de Sant Gervasi de Cassoles, 68.  
City: Barcelona  
Province: Barcelona (Spain)  
Telephone: +34 932 12 74 12  
Fax: +34 932 12 59 76  
E-mail: info@thuya.com  
Web: <http://www.thuya.com/>

**1.4 Emergency telephone number:** +34 932 12 74 12 (Only available during office hours; Monday-Friday; 09:00-18:00)

### SECTION 2: HAZARDS IDENTIFICATION.

#### 2.1 Classification of the mixture.

In accordance with Regulation (EU) No 1272/2008:

Acute Tox. 4 : Harmful if swallowed.

Aquatic Chronic 3 : Harmful to aquatic life with long lasting effects.

Skin Sens. 1 : May cause an allergic skin reaction.

#### 2.2 Label elements.

**Labelling in accordance with Regulation (EU) No 1272/2008:**

Pictograms:



Signal Word:

**Warning**

H statements:

H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.

P statements:

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P321	Specific treatment (see ... on this label).
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.

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P501 Dispose of contents/container to ...

### EUH statements:

EUH208 Contains Olibanum oil (C. serrata). May produce an allergic reaction.

### Contains:

ammonium hydrogencarbonate  
ammonium mercaptoacetate

### 2.3 Other hazards.

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

### 3.1 Substances.

Not Applicable.

### 3.2 Mixtures.

Substances posing a danger to health or the environment in accordance with the Regulation (EC) No. 1272/2008, assigned a Community exposure limit in the workplace, and classified as PBT/vPvB or included in the Candidate List:

CAS No: 5421-46-5 EC No: 226-540-9 Registration No: 01-2119531489-31-XXXX	ammonium mercaptoacetate	3 - 25 %	Acute Tox. 3, H301 - Skin Sens. 1, H317	-
CAS No: 1066-33-7 EC No: 213-911-5 Registration No: 01-2119486970-26-XXXX	ammonium hydrogencarbonate	1 - 10 %	Acute Tox. 4, H302	-
Index No: 007-001-00-5 CAS No: 7664-41-7 EC No: 231-635-3 Registration No: 01-2119488876-14-XXXX	[1] ammonia, anhydrous	0.1 - 1 %	Acute Tox. 3 *, H331 - Aquatic Acute 1, H400 - Flam. Gas 2, H221 - Skin Corr. 1B, H314	-
Index No: 603-030-00-8 CAS No: 141-43-5 EC No: 205-483-3 Registration No: 01-2119486455-28-XXXX	[1] 2-aminoethanol,ethanolamine	0 - 1 %	Acute Tox. 4 *, H312 - Acute Tox. 4 *, H332 - Acute Tox. 4 *, H302 - Skin Corr. 1B, H314	STOT SE 3, H335: C ≥ 5 %
CAS No: 97952-72-2 EC No: 308-366-6	Olibanum oil (C. serrata)	0.25 - 1 %	Aquatic Acute 1, H400 - Aquatic Chronic 1, H410 - Asp. Tox. 1, H304 - Flam. Liq. 3, H226 - Skin Irrit. 2, H315 - Skin Sens. 1, H317	-

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Index No: 016-028-00-1 CAS No: 7775-14-6 EC No: 231-890-0 Registration No: 01-2119520510-57-XXXX	sodium dithionite,sodium hydrosulphite	0 - 25 %	Acute Tox. 4 *, H302 - Self-heat. 1, H251	-
Index No: 011-002-00-6 CAS No: 1310-73-2 EC No: 215-185-5 Registration No: 01-2119457892-27-XXXX	[1] caustic soda,sodium hydroxide	0 - 0.5 %	Skin Corr. 1A, H314	Skin Corr. 1A, H314: C ≥ 5 % Skin Corr. 1B, H314: 2 % ≤ C < 5 % Skin Irrit. 2, H315: 0,5 % ≤ C < 2 % Eye Irrit. 2, H319: 0,5 % ≤ C < 2 %

(\*): The complete text of the H phrases is given in section 16 of this Safety Data Sheet.

\* See Regulation (EC) No. 1272/2008, Annex VI, section 1.2.

[1] Substance with a Community workplace exposure limit (see section 8.1).

## SECTION 4: FIRST AID MEASURES.

### 4.1 Description of first aid measures.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

#### Inhalation.

Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration. Do not administer anything orally. If unconscious, place them in a suitable position and seek medical assistance.

#### Eye contact.

If wearing contact lenses, remove them. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance.

#### Skin contact.

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. **NEVER** use solvents or thinners.

#### Ingestion.

If accidentally ingested, seek immediate medical attention. Keep calm. **NEVER** induce vomiting.

### 4.2 Most important symptoms and effects, both acute and delayed.

Irritant Product, repeated or prolonged contact with skin or mucous membranes can cause redness, blisters or dermatitis, inhalation of spray mist or particles in suspension may cause irritation of the respiratory tract, some symptoms may not be immediate. Can cause allergic reactions.

Harmful Product, prolonged exposure due to inhalation may cause anaesthetic effects and the need for immediate medical assistance.

### 4.3 Indication of any immediate medical attention and special treatment needed.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

## SECTION 5: FIREFIGHTING MEASURES.

The product does not present any particular risk in case of fire.

### 5.1 Extinguishing media.

#### Recommended extinguishing methods.

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Extinguisher powder or CO<sub>2</sub>. In case of more serious fires, also alcohol-resistant foam and water spray. Do not use a direct stream of water to extinguish.

### 5.2 Special hazards arising from the mixture.

#### **Special risks.**

Fire can cause thick, black smoke. As a result of thermal decomposition, dangerous products can form: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products can be harmful to your health.

### 5.3 Advice for firefighters.

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways.

#### **Fire protection equipment.**

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and gloves.

## SECTION 6: ACCIDENTAL RELEASE MEASURES.

### 6.1 Personal precautions, protective equipment and emergency procedures.

For exposure control and individual protection measures, see section 8.

### 6.2 Environmental precautions.

Product dangerous for the environment, in case of large spills or if the product contaminates lakes, rivers, or sewers, inform the responsible authorities according to local legislation. Prevent the contamination of drains, surface or subterranean waters, and the ground.

### 6.3 Methods and material for containment and cleaning up.

Pick up the spill with non-combustible absorbent materials (soil, sand, vermiculite, diatomite, etc.). Pour the product and the absorbent in an appropriate container. The contaminated area should be immediately cleaned with an appropriate decontaminator. Pour the decontaminator on the remains in an opened container and let it act various days until no further reaction is produced.

### 6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8.  
For later elimination of waste, follow the recommendations under section 13.

## SECTION 7: HANDLING AND STORAGE.

### 7.1 Precautions for safe handling.

For personal protection, see section 8. Never use pressure to empty the containers. They are not pressure-resistant containers. In the application area, smoking, eating, and drinking must be prohibited. Follow legislation on occupational health and safety. Keep the product in containers made of a material identical to the original.

### 7.2 Conditions for safe storage, including any incompatibilities.

Store according to local legislation. Observe indications on the label. Store the containers between 5 and 35° C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorized persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills. The product is not affected by Directive 2012/18/EU (SEVESO III).

### 7.3 Specific end use(s).

External use

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

### 8.1 Control parameters.

Work exposure limit for:

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Substance	CAS No.	Regulation	DNEL (mg/m <sup>3</sup> )	DMEL (mg/m <sup>3</sup> )
ammonia, anhydrous	7664-41-7	European Union [1]	20	14
		United Kingdom [2]	50	36
		United Kingdom [2]	25	18
2-aminoethanol, ethanolamine	141-43-5	European Union [1]	35	25
		United Kingdom [2]	1 (skin)	2,5 (skin)
		United Kingdom [2]	3 (skin)	7,6 (skin)
caustic soda, sodium hydroxide	1310-73-2	United Kingdom [2]	1	2,5
		United Kingdom [2]	3	7,6
				2

[1] According both Binding Occupational Exposure Limits (BOELVs) and Indicative Occupational Exposure Limits (IOELVs) adopted by Scientific Committee for Occupational Exposure Limits to Chemical Agents (SCOEL).

[2] According Limit Value (IOELV) list in 2nd Indicative Occupational Exposure adopted by Health and Safety Executive.

The product does NOT contain substances with Biological Limit Values.

Concentration levels DNEL/DMEL:

Substance	Regulation	Exposure Route	Effect	DNEL/DMEL (mg/m <sup>3</sup> )
ammonium hydrogencarbonate CAS No: 1066-33-7 EC No: 213-911-5	DNEL (Workers)	Inhalation, Long-term, Local effects		62,5 (mg/m <sup>3</sup> )
	DNEL (Workers)	Inhalation, Long-term, Systemic effects		62,5 (mg/m <sup>3</sup> )
ammonia, anhydrous CAS No: 7664-41-7 EC No: 231-635-3	DNEL (Workers)	Inhalation, Long-term, Local effects		14 (mg/m <sup>3</sup> )
	DNEL (Workers)	Inhalation, Long-term, Systemic effects		47,6 (mg/m <sup>3</sup> )
2-aminoethanol, ethanolamine CAS No: 141-43-5 EC No: 205-483-3	DNEL (Workers)	Inhalation, Long-term, Local effects		3,3 (mg/m <sup>3</sup> )
sodium dithionite, sodium hydrosulphite CAS No: 7775-14-6 EC No: 231-890-0	DNEL (Workers)	Inhalation, Long-term, Systemic effects		206 (mg/m <sup>3</sup> )
caustic soda, sodium hydroxide CAS No: 1310-73-2 EC No: 215-185-5	DNEL (Workers)	Inhalation, Long-term, Local effects		1 (mg/m <sup>3</sup> )
	DNEL (General population)	Inhalation, Long-term, Local effects		1 (mg/m <sup>3</sup> )

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.

### 8.2 Exposure controls.

#### Measures of a technical nature:

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

### 9.1 Information on basic physical and chemical properties.

Appearance: Characteristic yellowish texture gel

Colour: N.A./N.A.

Odour: N.A./N.A.

Odour threshold: N.A./N.A.

pH: N.A./N.A.

Melting point: N.A./N.A.

Boiling Point: N.A./N.A.

Flash point: > 60 °C

Evaporation rate: N.A./N.A.

Inflammability (solid, gas): N.A./N.A.

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Lower Explosive Limit: N.A./N.A.  
Upper Explosive Limit: N.A./N.A.  
Vapour pressure: N.A./N.A.  
Vapour density: N.A./N.A.  
Relative density: N.A./N.A.  
Solubility: N.A./N.A.  
Liposolubility: N.A./N.A.  
Hydrosolubility: N.A./N.A.  
Partition coefficient (n-octanol/water): N.A./N.A.  
Auto-ignition temperature: N.A./N.A.  
Decomposition temperature: N.A./N.A.  
Viscosity: N.A./N.A.  
Explosive properties: N.A./N.A.  
Oxidizing properties: N.A./N.A.  
N.A./N.A.= Not Available/Not Applicable due to the nature of the product

### 9.2 Other information.

Pour point: N.A./N.A.  
Blink: N.A./N.A.  
Kinematic viscosity: N.A./N.A.  
N.A./N.A.= Not Available/Not Applicable due to the nature of the product

## SECTION 10: STABILITY AND REACTIVITY.

### 10.1 Reactivity.

The product does not present hazards by their reactivity.

### 10.2 Chemical stability.

Stable under the recommended handling and storage conditions (see section 7).

### 10.3 Possibility of hazardous reactions.

The product does not present possibility of hazardous reactions.

### 10.4 Conditions to avoid.

Avoid any improper handling.

### 10.5 Incompatible materials.

Keep away from oxidising agents and from highly alkaline or acidic materials in order to prevent exothermic reactions.

### 10.6 Hazardous decomposition products.

No decomposition if used for the intended uses.

## SECTION 11: TOXICOLOGICAL INFORMATION.

### 11.1 Information on toxicological effects.

Repeated or prolonged contact with the product can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the product through the skin.  
Splatters in the eyes can cause irritation and reversible damage.

### Toxicological information about the substances present in the composition.

caustic soda,sodium hydroxide	Oral	LD50 Rabbit 325 mg/kg bw [1] [1] Naunyn-Schmiedeberg's (1937), Archiv für experimentielle Pathologie und Pharmakologie (Berlin, Germany), 184, 587-604
	Dermal	

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CAS No: 1310-73-2	EC No: 215-185-5	Inhalation	
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a) acute toxicity;  
Product classified:  
Acute toxicity (Oral), Category 4: Harmful if swallowed.

Acute Toxicity Estimate (ATE):  
Mixtures:  
ATE (Oral) = 659 mg/kg

b) skin corrosion/irritation;  
Based on available data, the classification criteria are not met.

c) serious eye damage/irritation;  
Not conclusive data for classification.

d) respiratory or skin sensitisation;  
Product classified:  
Skin sensitizer, Category 1: May cause an allergic skin reaction.

e) germ cell mutagenicity;  
Not conclusive data for classification.

f) carcinogenicity;  
Not conclusive data for classification.

g) reproductive toxicity;  
Not conclusive data for classification.

h) STOT-single exposure;  
Not conclusive data for classification.

i) STOT-repeated exposure;  
Not conclusive data for classification.

j) aspiration hazard;  
Based on available data, the classification criteria are not met.

**SECTION 12: ECOLOGICAL INFORMATION.**

**12.1 Toxicity.**

ECOTOXICITY			
Substance	Species	Concentration	Duration
caustic soda, sodium hydroxide	Fish	Minimal Lethal Concentration Notropis sp.	100 mg/L (120 h) [1]
	Aquatic invertebrates	LC50 Ophryotrocha diadema	33 mg/L (48 h) [1]
	Aquatic plants		[1] Parker JG (1984), Wat Res, 18, 865-868
CAS No: 1310-73-2	EC No: 215-185-5		

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**12.2 Persistence and degradability.**

No information is available about persistence and degradability of the product.

**12.3 Bioaccumulative potencial.**

**Information about the bioaccumulation of the substances present.**

		Log Pow	Bio C	Bio S	
2-aminoethanol,ethanolamine		-1,31	-	-	Very low
N. CAS: 141-43-5	EC No: 205-483-3				

**12.4 Mobility in soil.**

No information is available about the mobility in soil.  
The product must not be allowed to go into sewers or waterways.  
Prevent penetration into the ground.

**12.5 Results of PBT and vPvB assessment.**

No information is available about the results of PBT and vPvB assessment of the product.

**12.6 Other adverse effects.**

No information is available about other adverse effects for the environment.

**SECTION 13 DISPOSAL CONSIDERATIONS.**

**13.1 Waste treatment methods.**

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.  
Follow the provisions of Directive 2008/98/EC regarding waste management.

**SECTION 14: TRANSPORT INFORMATION.**

Transportation is not dangerous. In case of road accident causing the product's spillage, proceed in accordance with point 6.

**14.1 UN number.**

Transportation is not dangerous.

**14.2 UN proper shipping name.**

Description:

ADR: Transportation is not dangerous.

IMDG: Transportation is not dangerous.

ICAO: Transportation is not dangerous.

**14.3 Transport hazard class(es).**

Transportation is not dangerous.

**14.4 Packing group.**

Transportation is not dangerous.

**14.5 Environmental hazards.**

Transportation is not dangerous.

**14.6 Special precautions for user.**

Transportation is not dangerous.

**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code.**

Transportation is not dangerous.



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### SECTION 15: REGULATORY INFORMATION.

#### 15.1 Safety, health and environmental regulations/legislation specific for the mixture.

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

The product is not affected by Directive 2012/18/EU (SEVESO III).

The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

#### 15.2 Chemical safety assessment.

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

### SECTION 16: OTHER INFORMATION.

Complete text of the H phrases that appear in section 3:

H221	Flammable gas.
H226	Flammable liquid and vapour.
H251	Self-heating: may catch fire.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Classification codes:

Acute Tox. 3 : Acute toxicity (Inhalation), Category 3  
Acute Tox. 3 : Acute toxicity (Oral), Category 3  
Acute Tox. 4 : Acute toxicity (Dermal), Category 4  
Acute Tox. 4 : Acute toxicity (Inhalation), Category 4  
Acute Tox. 4 : Acute toxicity (Oral), Category 4  
Aquatic Acute 1 : Acute toxicity to the aquatic environment, Category 1  
Aquatic Chronic 1 : Chronic effect to the aquatic environment, Category 1  
Aquatic Chronic 3 : Chronic effect to the aquatic environment, Category 3  
Asp. Tox. 1 : Aspiration toxicity, Category 1  
Flam. Gas 2 : Flammable gas, Category 2  
Flam. Liq. 3 : Flammable liquid, Category 3  
Self-heat. 1 : Self-heating substance or mixture, Category 1  
Skin Corr. 1A : Skin Corrosive, Category 1A  
Skin Corr. 1B : Skin Corrosive, Category 1B  
Skin Irrit. 2 : Skin irritant, Category 2  
Skin Sens. 1 : Skin sensitiser, Category 1

It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly.

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### Abbreviations and acronyms used:

BCF: Bioconcentration factor.  
DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.  
DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.  
EC50: Half maximal effective concentration.  
LC50: Lethal concentration, 50%.  
LD50: Lethal dose, 50%.  
Log Pow: Logarithm of the partition octanol-water.  
NOEC: No observed effect concentration.

### Key literature references and sources for data:

<http://eur-lex.europa.eu/homepage.html>  
<http://echa.europa.eu/>  
Regulation (EU) 2015/830.  
Regulation (EC) No 1907/2006.  
Regulation (EU) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

