

Material Safety Data Sheet

Atecoron® Plus PHE 1.2

according to EC Directive 1907/2006 (REACH)

Section 1 - Identification of the Substance / Mixture and of the Company

- 1.1 Product/Chemical Name:** Atecoron® Plus PHE 1.2
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Use: Chemicals for use in cosmetics
- 1.3 Producer:** **GfN, Herstellung von Naturextrakten GmbH**
 Straßburg 16
 69483 Wald-Michelbach / Germany
 info@gfn-selco.de Tel. +49 6207 922 80
 www.gfn-selco.de Fax +49 6207 922 810
- 1.4 Emergency information:** Beratungsstelle für Vergiftungserscheinungen Mainz
 Tel. +49 6131 232 466
 GfN Emergency phone number: Tel. +49 179 506 151 9

Section 2 - Hazards Identification

- 2.1 Classification:** Not classified according to the Regulation (EC) No. 1272/2008.
- 2.2 Label elements:** Not relevant.
- 2.3 Other hazards:** None.
- Not identified as PBT or vPvB according to the Annex XIII of the Regulation (EC) No. 1907/2006 as amended.

Section 3 - Composition / Data on components

- 3.1 Substance:** not applicable
- 3.2 Mixture:** solution of 10 % Glycerin, 0.6 % Atelocollagen, 0.5 % Hyaluronic Acid LMW, 0.3 % Hyaluronic Acid VLMW and 0.2 % Hyaluronic Acid Na-Salt. Stabilizer is 0.9 % Sodium Citrate Buffer and 1.2 % preservative Phenoxyethanol
- INCI Name:** Aqua, Glycerin, Sodium Hyaluronate, Atelocollagen
- CAS-No.:**
- | | |
|-----------|--------------------------|
| 7732-18-5 | Aqua |
| 56-81-5 | Glycerin |
| 9067-32-7 | Sodium Hyaluronate |
| 9007-34-5 | Atelocollagen (Collagen) |
| 122-99-6 | Phenoxyethanol |
- EINECS-No.:**
- | | |
|-----------|--------------------------|
| 231-791-2 | Aqua |
| 200-289-5 | Glycerin |
| (-) | Sodium Hyaluronate |
| 232-697-4 | Atelocollagen (Collagen) |
| 204-589-7 | Phenoxyethanol |

Section 4 - First Aid Measures

4.1 Description of first aid measures:

- Eyes:** In case of contact immediately flush eyes with plenty of water and get medical attention if necessary.
- Skin:** After contact with skin wash with water and soap.
- Inhalation:** Transport the patient to fresh air, seek medical advice.
- Ingestion:** Call a doctor in case of sickness.

- 4.2 Identification of any immediate medical attention and special treatment needed:**
 Not applicable

Material Safety Data Sheet

Atecoron® Plus PHE 1.2

according to EC Directive 1907/2006 (REACH)

Section 5 - Fire-Fighting Measures

- 5.1 Extinguishing media:** Water spray, water foam, carbon dioxide, dry chemicals
- 5.2 Special hazards arising from the mixture:** When heated to decomposition it may emit toxic and irritating fumes.
- 5.3 Advice for firefighters:** None.

Section 6 - Accidental Release Measures

- 6.1 Personal Precautions, protective equipment and emergency procedures:** Avoid from contact with skin / eyes and provide sufficient ventilation.
- 6.2 Environmental precautions:** None.
- 6.3 Methods and materials for containment and cleaning up:** After spillage wash with copious quantities of water and collect in suitable containers.

Section 7 - Handling and Storage

- 7.1 Precaution for safe handling:** Do not get in eyes. Wash thoroughly after handling. Appropriate lab coat. Use in well ventilated areas. Product is slippery.
- 7.2 Conditions for safe storage, including any incompatibilities:** Keep this product away from heat, strong sunlight and flame. Temperature between 10 and 25°C is fine.
- 7.3 Specific end use:** Cosmetic ingredient.

Section 8 - Exposure Controls / Personal Protection

- 8.1 Control parameters:** No exposure limits.
- 8.2 Exposure controls:**
- 8.2.1** Not applicable.
- 8.2.2 Individual protection measures, such as personal protective equipment:**
- Hygiene measures:** Good industrial practice. Do not drink, eat or smoke while working.
- Eye/face protection:** Use chemical safety glasses or goggles
- Hand protection:** Wear laboratory gloves.
- Skin protection:** Wear a lab coat.
- Respiratory protection:** None.
- Personal hygiene:** Wash thoroughly after handling.
- Local ventilation:** None.
- 8.2.3 Environmental exposure controls:** No special environmental precautions.

Material Safety Data Sheet

Atecoron® Plus PHE 1.2

according to EC Directive 1907/2006 (REACH)

Section 9 - Physical and Chemical Properties

9.1 Information on basic physical and chemical properties:

Appearance:	viscous solution
Color:	opaque
Odor:	slight smell
pH:	6.0 – 7.0
Density:	1,00 – 1,10 g/ml
Flash point:	data not available
Flammability (solid gas):	data not available
Auto flammability:	none
Explosive properties:	none
Oxidizing properties:	none
Solubility:	appreciably soluble in water, oil solubility (solvent): unknown
Viscosity:	data not available
Other data:	none

Section 10 - Stability and Reactivity

10.1 Reactivity:	No hazardous reactions.
10.2 Chemical stability:	The product is stable under appropriate storage conditions.
10.3 Possibility of hazardous chemical reactions:	Hazardous polymerization will not occur.
10.4 Conditions to avoid:	Iron-ions in combination of Oxygen may reduce viscosity of the product by means of reaction with oxygen radicals, temperatures higher than 30°C.
10.5 Incompatible materials:	Iron-ions, Formaldehyde
10.6 Hazardous decomposition products:	None.

Section 11 - Toxicological Information

11.1 Information on toxicological effects:

Absence or unknown immediate, delayed or chronic toxicological effects due to short and long-term exposure.

Data are based on literature of Atelocollagen* and Soluble Collagen; Sodium Hyaluronate and Glycerin has no negative influence on the toxicological profile of Atecoron Plus® PHE 1.2.**

Toxicology of Atelocollagen*, Soluble Collagen**

Acute toxicity /Oral toxicity*:	LD50> 20 ml/kg (rat) 24 hours and 7 days long
Primary irritant effect (eyes)**:	Draize test on rabbits, no irritations could be observed, 100 % use concentration
Primary irritant effect (skin)**:	Albino rabbits, 24 hours, irritation 0,47, 100 % use concentration
Primary irritant effect (skin)*:	Guinea-pigs, no irritation could be observed, according Magnusen and Kligmann
Genotoxicity:	not applied
Comedogenicity:	not applied
Sensitization*:	Epicutaneous patch test on humans, no irritation could be observed
Photo-allergic and photo-toxicity:	not applied
Further toxicological information:	no toxicological side effects has been seen during the use of the product on humans during the last 30 years

Material Safety Data Sheet

Atecoron® Plus PHE 1.2

according to EC Directive 1907/2006 (REACH)

Toxicology of Sodium Hyaluronate:

Acute toxicity:	non-toxic
Skin irritation:	non-irritating
Eye irritation:	non-irritating
Respiratory or skin sensitization:	non-sensitizing
Germ cell mutagenicity:	non-mutagenic
Carcinogenicity:	data not available
Reproductive toxicity:	non-toxic for reproduction
STOT-SE/RE:	data not available
Aspiration hazard:	not applicable
IARC:	Not identified as carcinogenic.

Potential health effects: No toxic properties have been detected.

The data available to us do not suffice to permit any industrial-toxicological assessment. Our own experience has provided no indication of any hazardous potential.

Section 12 - Ecological Information

12.1 Toxicity:	No negative harmful effects on the environment.
Water endanger class:	1 slightly hazardous to water (https://webigoletto.uba.de/rigoletto/public/searchRequest.do?event=request)
12.2 Persistence and degradability:	Completely biodegradable.
12.3 Bioaccumulative potential:	No data available.
12.4 Mobility in soil:	Not applicable.
12.5 Results of PBT and vPvB assessment:	Not PBT or vPvB.
12.6 Other adverse effects:	None.

Section 13 - Disposal Consideration

13.1 Waste treatment methods:	Waste must be disposed in accordance with local, regional and national environmental regulations. No special appropriate methods of handling and disposal are needed. Small amounts may be washed down the drain with excess water. Not dangerous waste.
--------------------------------------	---

Section 14 - Transport Information

14.1 UN Number:	None
14.2 UN proper shipping name:	Not dangerous goods.
14.3 Transport hazard class:	None
14.4 Packaging group:	None
14.5 Environmental hazards:	None
14.6 Special precautions for user:	Take the usual precautions when handling with chemicals.

Section 15 - Regulatory Information

15.1 Safety, health and environmental Regulations/legislation specific for the substance:	Regulation (EC) No. 1907/2006 (REACH) Regulation (EC) No. 1272/2008 (CLP/EU-GHS) Regulation (EC) No. 1223/2009 (Cosmetic Regulation)
15.2 Chemical safety assessment:	Not classified as hazardous substance or mixture according to the CLP/EU-GHS.

Material Safety Data Sheet Atecoron[®] Plus PHE 1.2

according to EC Directive 1907/2006 (REACH)

Section 16 - Other Information

Other information: No special training advises, recommended uses and restrictions.
Person issuing MSDS: Mrs. Michèle Lindner
phone: +49 6207 922 826
eMail: info@gfn-selco.de

Explanatory notes:
INCI: International Nomenclature of Cosmetic Ingredients
EINECS: European inventory of existing commercial chemical substance
PBT: persistent, bio-accumulative, toxic for reproduction
vPvB: very persistent, very bio-accumulative

The information contains herein is believed to be reliable, but no representations, guarantees or warranties of any kind are made as to its accuracy, suitable for particular applications or the results to be obtained therefrom. The information is based on laboratory work with small scale equipment and does not necessarily indicate end product performance. Because of the variations in methods, conditions and equipment used commercially in processing these materials, no warranties or guarantees are made as to the suitability of the products for the applications disclosed. Full-scale testing and end product performance are the responsibility of the user.

GfN shall not be liable for and the customer assumes all risk and liability of any use or handling of any material beyond GfN's direct control. The seller makes no warranties, express or implied, including, but not limited to, the implied warranties, of merchantability and fitness for a particular purpose. Nothing contains herein is to be considered as permission, recommendation, nor as an inducement to practice any patented invention without permission of the patent owner.