



MATERIAL SAFETY DATA SHEET
KOLAGEN NATURALNY / NATURAL COLLAGEN

Issue I dated:
06.03.2012
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1. SUBSTANCE IDENTIFICATION
MANUFACTURER, IMPORTER OR DISTRIBUTOR IDENTIFICATION

1.1 Product name	Trade name: KOLAGEN NATURALNY / NATURAL COLLAGEN Other Trade names: KOLAGEN NATURALNY Platinum, KOLAGEN NATURALNY Silver, KOLAGEN NATURALNY Graphit, INFINITE NATURAL COLLAGEN
1.2 Applications	Preparation used as collagen cosmetic indicated for face, body and hair care. Moisturising GEL (Anti-AGE)
1.3 CAS No.	9007-34-5
1.4 EINECS No.	232-697-4
1.5 Producer / Distributor Identification	COLWAY Spółka Jawna Maurycy Turek, Jarosław Zych 84-207 Koleczkowo k/Gdyni ul. Hippiiczna 19, pomorskie, POLAND COLWAY DISTRIBUTION Spółka Jawna 84-207 Koleczkowo k/Gdyni ul. Hippiiczna 19, pomorskie, POLAND +48 (58) 676 20 27 e-mail: biuro@colway.net.pl U S Food and Drug Administration VCRP 2511: Establishment ID E1002887 10/30/08 U S Food and Drug Administration VCRP 2512: CPIS # F1082382
1.6 Emergency telephone number	+48 (58) 676 20 27

2. HAZARDS IDENTIFICATION

On the basis of the criteria and method of preparation classification (J. of Laws no. 171 pos. 1666 of 2.10.2003 and J. of Laws no. 243, pos. 2440 of 2004) the preparation KOLAGEN NATURALNY / NATURAL COLLAGEN does not pose a hazard to human health and the environment.	
3.1 Health hazards	R43 – may cause sensitization by skin contact. S25 – avoid contact with eyes.
3.2 Fire hazards	Preparation in the form of gel
3.3 Environmental hazards	The preparation is well soluble in a 3% solution of acetic acid. Harmless to living organisms.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients: The commercial preparation contains a natural extract isolated from fish dermis of silver carp (the composition of the natural extract is as follows: collagen, free protein amino acids, elastin, trace amounts of lipids, mucopolysaccharides, carbohydrates, nucleotides, purine bases, amines) and a stabiliser with an antimicrobial effect.				
Composition:				
Aqua (Water)	98,3 – 87,0 %			
Collagen	1,0 – 5,0 %			
Octane-1,2-diole	0,3 – 2,0 %			
Elastine	0,1 – 1,0 %			
Lactic acid	0,3 – 5,0 %			
Harmful ingredients (concentration <1%):				
Chemical name:	CAS No.	EC No.	Warning symbol	Risk No.
Lactic acid	50-21-5	201-196-2	Xi	R38, R41
Octane-1,2-diole	1117-86-8	214-254-7	Xi	R36
Note: The R-phrases refer to 100% substance, not to its concentration in the preparation				

4. FIRST AID MEASURES

4.1 General recommendations	Seek medical attention if necessary.
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4.2 Inhalation	Provide access to fresh air. Seek medical attention if necessary.
4.3 Ingestion	If inadvertently digested, drink large amounts of water. Seek medical attention if necessary.
4.4 Eye contact	Immediately flush with large amounts of water for 15-30 minutes. Consult an ophthalmologist if necessary.
4.5 Skin contact	If irritated, rinse the skin with large amounts of water. If the irritation does not stop, consult a dermatologist.

5. FIRE FIGHTING MEASURES

5.1 Special hazards	Inflammable.
5.2 Fire extinguishing media	Fire in the environment should be extinguished using the fire extinguishing media appropriate for burning materials.
5.3 Detailed recommendations	None

6. ACCIDENTAL RELEASE MEASURES

6.1 Safety precautions	None
6.2 Personal protection measures	None
6.3 Contamination disposal	Clean the product using a dry method and then flush with water. Waste handling – see section 13.

7. HANDLING AND STORAGE

7.1 Handling	None
7.2 Storage	Store in closed containers, in dry, dark, refrigerated and ventilated rooms, away from foodstuffs (including feeds) and chemicals. Temperatures below 0°C and up to 28°C are harmless for the preparation.
7.3 Specific applications	None

8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Maximum permissible concentration in the work environment	None in the specification
8.2 Personal protection measures	
Hands:	Wear protective gloves.
Eyes and face:	Use safety glasses.
Skin:	Avoid excessive contact with the preparation.
Respiratory system:	Under normal working conditions, not required; in case of high concentrations of vapours wear respiratory tract protection with an adequate filter.
8.3 Other recommended measures	Avoid excessive contact with the preparation.
8.4 Methods of exposure assessment	-

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Appearance	Preparation in gel form. White, light yellow or grey.
9.2 Odour	Weak odour of fish
9.3 pH	3.4 ±0.5
9.4 Boiling point	None
9.5 Melting point	No information available
9.6 Flash point	None
9.7 Self-ignition temperature	None
9.8 Flammability	Inflammable
9.9 Explosive properties	None
9.10 Oxidative properties	None
9.11 Vapour pressure	None
9.12 Relative density (20°C)	No information available
9.13 Solubility	Good in 3% acetic acid
9.14 N-octanol/water partition coefficient	No information available
9.15 Other properties	
Viscosity	2 178 079 cP



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Molecular weight	340 kDa		
Thermal stability at 25°C	> 12 months		
Hydroxyproline contents	7.27%		
Total nitrogen contents	14.3%		
Collagen denaturation temperature	30°C		
Dry mass contents	water = 97.14%; collagen = 2.86% dry preparation contains 89.9% protein substances including 8.7% elastin contents		
Heavy metal contents	max.: As (0.5) mg/kg Cd (0.1) mg/kg Hg (0.02) mg/kg Pb (0.5) mg/kg		
Amino acid composition	Amino acid	Amino acid residues/1000 residues	
		Before hydrolysis	After hydrolysis
	Hydroxyproline	24	84
	Asparagine	106	63
	Treonine	0	12
	Serine	20	27
	Glutamine	53	62
	Proline	50	115
	Glycin	226	309
	Alanine	50	81
	Valine	60	20
	Methionine	12	17
	Isoleucine	16	19
	Leucine	0	23
	Tyrosine	145	7
	Phenylalanine	40	17
	Histidine	0	5
Lysine	30	25	
Arginine	145	42	
Total	1000	1000	

10. MICROBIOLOGICAL PROPERTIES

10.1 Total microorganism count	not more than 1000 CFU/g
10.2 Mould and yeast count	not more than 100 CFU/g
10.3 E. coli	absent in 0.1 g
10.4 Salmonella	absent in 25 g
10.5 Staphylococcus aureus	absent in 0.1 g
10.6 Pseudomonas aeruginosa	absent in 0.1 g
10.7 Candida albicans	absent in 0.1 g

11. STABILITY AND REACTIVITY

11.1 Stability	Stable during normal handling
11.2 Reactivity	No reactivity
11.3 Conditions and materials to avoid	None
11.4 Harmful decomposition products	No information available

12. TOXICOLOGICAL INFORMATION



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12.1 Effect on skin	None
12.2 Effect on eyes	None
12.3 Inhalation	None
12.4 Ingestion	None
12.5 Other	None

13. ECOLOGICAL INFORMATION

13.1 Ecotoxicity	Certain ingredients of the preparation (octane-1,2-diole and lactic acid) show toxicity against the study organisms.
13.2 Mobility	No information available
13.3 Stability and decomposition	No information available
13.4 Ability to bioaccumulation	None
13.5 Other harmful effects	-

14. DISPOSAL CONSIDERATIONS

14.1 Disposal methods	Dispose of according to applicable local regulations.
14.2 Waste classification	Other mentioned waste.
14.3 Packaging	Glass bottles and jars. Volumes: 30ml, 50ml, 100ml, 200ml; bulk- glass jar 9000ml (9l.)
14.4 Regulations	Waste Act of 27 April 2001, Regulation of the Minister of Environment of 27 September 2001 on the catalogue of wastes.

15. TRANSPORT INFORMATION

15.1 Transport classification	Not a subject of transport regulations.
15.2 UN No.	Not applicable
15.3 Classification ADR/RID/IMO/ICAO	Not applicable
15.4 Risk identification no.	Not applicable
15.5 Warning stickers	Not applicable
15.6 Safety precautions	Transport temperature 5-25°C.

16. OTHER REGULATORY INFORMATION

16.1 Labelling information	
Warning symbol	Warning inscription
None	MSDS available at the request of the user performing the occupational activity.
R-phrases:	
None	
S-phrases:	
S2	Keep out of the reach of children.
S25	Avoid contact with eyes.
S46	If swallowed, seek medical advice immediately and show this container or label.
16.2 MSDS was created according to the following laws and regulations:	
◆ Chemical substances and preparations act of 11.01.01 (J. of Laws no. 11 pos. 89; with changes)	
◆ Regulation of the Minister of Health about the list of hazardous substances with their classification and marking (J. of Laws of 2005 no 201 pos. 1674)	
◆ Regulation of the Minister of Health about the marking of hazardous substances and preparations (J. of Laws of 2003 No. 173, pos. 1679; with changes)	
◆ Regulation of the Minister of Health about the hazardous substances and preparations safety data sheets of 3 July 2002 (J. of Laws No. 140 pos. 1171; with changes; J. of Laws No. 2, pos. 8)	
◆ Regulation of the Minister of Health of 15 July 2002 about the hazardous substances and preparations whose containers need to be equipped with lock mechanisms protecting against being opened by children and with touch hazard warning (J. of Laws No. 140, pos. 1174).	
◆ Regulation of the Minister of Health about the need to supply safety data sheets with some preparations not qualified as hazardous (J. of Laws of 2002 No. 142, pos. 1194).	
◆ Regulation about the need to supply safety data sheets with some preparations not qualified as hazardous (J. of Laws of 2002 No. 142 pos. 1194)	
◆ Regulation of the Minister of Health about the criteria and method of classification of substances and chemical preparations. (J. of Laws of 2003. No. 1171, pos. 1666; with changes)	
◆ Regulation of Minister of Economy and Labour about limitations, prohibitions or production conditions, trade or use	



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concerning hazardous substances and preparations and the products that include them (J. of Laws of 2004 No. 168 pos. 1762; with changes)
 ♦ Regulation of the Minister of Health about substances, preparations and factors or technological processes with carcinogenic or mutagenic effect in work environment. (J. of Laws of 2004 No. 280 pos. 2771).
 ♦ Waste act. Act of 27 April 2001. (J. of Laws 62 pos. 6287).
 ♦ Regulation about the detailed rules for disposal and use of hazardous wastes. Regulation of Minister of Economy of 21 November 1998. (J. of Laws of 1998 No. 145 pos. 942, J. of Laws of 2001 No. 22 pos. 251)
 ♦ Regulation of the Minister of Environment about the catalogue of wastes (J. of Laws of 2001 No. 112 pos. 1206)
 ♦ Regulation of Minister of Labour and Social Policy about the highest acceptable concentrations and intensity of harmful factors in work environment (Dz. U. z 2002r. nr 217 poz.1833)
 ♦ Classification of dangerous products according to the ADR Agreement and RID rules.

17. OTHER INFORMATION

17.1 Training	Before using, read the material safety data sheet or label carefully.																				
17.2 Meaning of symbols:	Xn harmful N dangerous to environment C corrosive R 20 Harmful by inhalation. R 21 Harmful in contact with skin. R 22 Harmful if swallowed. R 34 Causes burns. R 36 Irritating to eyes. R 38 Irritating to skin. R 41 Risk of serious damage to eyes. R 50 Very toxic to aquatic organisms. R 51-53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R 63 – Possible risk of harm to the unborn child.																				
17.3 Limitations for use	None																				
17.4 Data source	♦ Classification in compliance with criteria and rules of classification of the preparation – calculation method ♦ Rules mentioned in section 15 ♦ Literature data																				
17.5 Amendments	None																				
17.6 Other	Information in this data sheet is correct to the best of our knowledge and is presented for the purpose of description of the product for safety requirements. U S Food and Drug Administration VCRP 2511: Establishment ID E1002887 10/30/08 View List: Active VCRP 2511 Menu » Active Establishment Establishment Detail <table border="1"> <tr> <td>Establishment ID</td> <td>E1002887</td> </tr> <tr> <td>Filing Date</td> <td>10/30/08</td> </tr> <tr> <td>Establishment Name</td> <td>COLWAY SPOLKA JAWNA</td> </tr> <tr> <td>Business Type</td> <td>MANUFACTURER AND PACKER</td> </tr> </table> Establishment Address <table border="1"> <tr> <td>Street Address</td> <td>HIPICZNA 19</td> </tr> <tr> <td>City</td> <td>KOLECZKOWO</td> </tr> <tr> <td>Country</td> <td>Poland</td> </tr> </table> Authorized Representative <table border="1"> <tr> <td>Authorized Name</td> <td>JAROSAAW ZYCH</td> </tr> <tr> <td>Authorized Title</td> <td>PRESIDENT</td> </tr> <tr> <td>Email Address</td> <td>JAREK@COLWAY.NET.PL</td> </tr> </table>	Establishment ID	E1002887	Filing Date	10/30/08	Establishment Name	COLWAY SPOLKA JAWNA	Business Type	MANUFACTURER AND PACKER	Street Address	HIPICZNA 19	City	KOLECZKOWO	Country	Poland	Authorized Name	JAROSAAW ZYCH	Authorized Title	PRESIDENT	Email Address	JAREK@COLWAY.NET.PL
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		Phone #	48 58 6762027
Other Business Trading Names			
# 1	COLWAY S J		
# 2	COLWAY DISTRIBUTION		
<p>U S Food and Drug Administration VCRP 2512: CPIS # F1082382</p> <p style="text-align: right;">View List: Active</p> <p>VCRP 2512 » Active Formulations / CPIS # F1082382</p>			
CPIS #	1082382		
Date Received	11/24/09		
Statement filed by	LABEL		
Label	(18359) COLWAY DISTRIBUTION		
Contract Manufacturer	<i>(none listed)</i>		
Type of Business	Packager, Distributor		
Brands			
Product Category	Other Skin Care Preps		
#	Brand Name		
1	INFINITE NATURAL COLLAGEN		
Ingredients			
#	Type		
1	9-Digit Code	007732185	WATER
2	9-Digit Code	009007345	COLLAGEN
3	9-Digit Code	001117868	CAPRYLYL GLYCOL
4	9-Digit Code	009007583	ELASTIN
5	9-Digit Code	000050215	LACTIC ACID