



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

1.1	Product name and code	:	REGU [®] -AGE, 800131
1.2	Recommended use	:	Cosmetic ingredient, dermal use
1.3	Manufacturer	:	DSM Nutritional Products Ltd Branch Pentapharm Engelgasse 109 P.O. Box CH-4002 Basel / Switzerland Tel. ###41-61-706 48 48 Fax. ###41-61-319 96 19
1.4	Emergency phone number		###41-61-706 48 48

2. HAZARD IDENTIFICATION

REGU[®]-AGE, used as a cosmetic ingredient, is not classified as dangerous according to EU guidelines. The data available do neither support any environmental hazard nor any adverse human health hazard.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

3.1	Chemical characterisation:	REGU [®] -AGE is an aqueous solution of hydrolyzed rice bran extract, soy peptides and oxido reductases. It contains about 15-20% glycerin and it is preserved with 0.5% Phenonip [®] (parabens in phenoxyethanol).			
3.2	Hazardous ingredients ≥ 1%	CAS No	Registration No, ELINCS/EINEC S No	Concentration (% m/m)	EU Classification
	None	-	-	-	-
3.3	Other ingredients (INCI)	CAS No	Registration No, ELINCS/EINEC S No	Concentration (% m/m)	EU Classification
	Hydrolyzed Rice Bran Protein	94350-05-7	305-224-5	5 – 10	None
	Glycine Soja (Soybean) Protein	9010-10-0	232-720-8	0.1 – 1	None
	Oxido Reductases	8013-01-2	232-387-9	0.1 – 1	None

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4. FIRST AID MEASURES

- 4.1 Skin Contact : Rinse with water
- 4.2 Eye Contact : Rinse immediately with plenty of water possibly containing a mild detergent. Contact physician in case of irritation.
- 4.3 Inhalation : Not applicable
- 4.4 Ingestion : No adverse effects expected (see 11.)
- 4.5 Other first aid information : None known

5. FIRE FIGHTING MEASURES

- 5.1 Extinguishing media : Carbon dioxide, foam, dry powder, water
- 5.2 Unsuitable extinguishing media : None known
- 5.3 Unusual fire fighting hazards : None known
- 5.4 Special fire fighting procedure : None known
- 5.5 Other recommendations : No special precautions and measures necessary

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions : Avoid eye contact
- 6.2 Precautions to protect the environment : Keep away from drains and ground water
- 6.3 Cleanup procedures : Dam large quantities and pump them into a container. For the remaining amount use inert absorbent material. Small quantities can be flushed into the sewage system.

7. HANDLING AND STORAGE

- 7.1 Handling precautions : Avoid eye contact
Watch out for slippery conditions after spillage
- 7.2 Storage precautions : REGU®-AGE should be stored in the original sealed containers protected from light in a clean place at a temperature between 4 and 8°C. In order to avoid secondary microbial contamination, following opening, containers should be handled with special care. If stored under the recommended conditions, REGU®-AGE remains stable for at least 2 years.
- 7.3 Specific uses : None

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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1	Exposure limit values	:	None
8.2	Exposure controls	:	No special control measures necessary
8.2.1	Personal protective equipment		
	Respiratory protection	:	None
	Hand protection	:	Gloves
	Eye protection	:	Safety glasses
	Skin protection	:	Additional protective equipment is normally not required
	Other	:	None
8.2.2	Environmental exposure controls	:	Keep away from drains and water

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1	Appearance		
	Physical state	:	clear to slightly opalescent liquid
	Colour	:	yellowish
	Odour	:	characteristic
9.2	Safety related information		
	pH	:	5.3 – 6.3
	Boiling point/boiling range	:	Not determined, >100°C
	Flash point	:	Not determined
	Flammability (solid, gas)	:	Not applicable
	Explosive properties	:	Not applicable
	Oxidizing properties	:	Not determined
	Vapour pressure	:	Not determined, lower than water
	Relative density	:	1.055 – 1.090
	Water solubility	:	Soluble
	Fat solubility	:	Insoluble
	n-octanol/water partition coefficient	:	Not determined
	Vapour density (air = 1)	:	Not determined
	Viscosity	:	Not determined
	Organic volatiles	:	None
9.3	Other information		
	Conductivity	:	Not determined
	Melting point	:	Not determined

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10. STABILITY AND REACTIVITY

- 10.1 Conditions to avoid : None known
- 10.2 Materials to avoid : None known
- 10.3 Hazardous decomposition products : None known

11. TOXICOLOGICAL INFORMATION

- 11.1 Possible dangerous-to-health effects : None known
- 11.2 Acute effects – oral : Not known, no toxicity expected
- 11.3 Acute effects – skin : Not corrosive, not irritant
- 11.4 Acute effects – eyes : Not irritant according to ingredients
- 11.5 Sensitisation : Not sensitising according to ingredients
- 11.6 Repeated dose toxicity : Not determined
- 11.7 Toxicokinetics, metabolism, distribution : Not determined, not for oral use
- 11.8 CMR effects :
 - Carcinogenicity : Not known
 - Mutagenicity : Not mutagenic according to ingredients
 - Reproductive toxicity : Not known

12. ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity (*aquatic*: fish, crustaceans, algae, *soil*: micro- and macroorganisms, birds, bees, plants) : Not determined
- 12.2 Mobility (distribution to environmental compartments, Surface tension, adsorption/desorption) : Not determined
- 12.3 Persistence and degradability (biodegradation, oxidation, hydrolysis...) : REGU®-AGE is composed of physiological, biodegradable compounds that are harmless when released into the environment.
- 12.4 Bioaccumulative potential : Not determined
- 12.5 PBT assessment : Not determined, but probably not PBT
- 12.6 Other information : No adverse effects expected

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13. DISPOSAL CONSIDERATIONS

- 13.1 Product disposal : Neutralize and flush with plenty of water into the sewage system
- 13.2 Packaging disposal : Dispose of in a manner in accordance with local and national regulations

14. TRANSPORT INFORMATION

- 14.1 UN-No. : Not applicable
- 14.2 Road and rail transport (ADR/RID) : Not applicable
- 14.3 Air transport (ICAO/IATA-DGR) : Not applicable
- 14.4 Sea transport (IMO/IMDG) : Not applicable
- 14.5 Inland navigation (ADN/ADNR) : Not applicable
- 14.6 Other information : REGU®-AGE is not classified as a dangerous material according to EU guidelines

15. REGULATORY INFORMATION

- 15.1 Chemical Safety Report (CSR) : No CSR available, REGU®-AGE < 10t/a
- 15.2 Classification and labelling : Not classified
- 15.3 National legislation : For further product information, we recommend consideration of the corresponding appropriate National Legislation

16. OTHER INFORMATION

All information and instructions provided in this Safety Data Sheet are based on the current state of scientific and technical knowledge at the date indicated on this Safety Data Sheet. PENTAPHARM shall not be held responsible for any defect in the product covered by this Safety Data Sheet, should the existence of such a defect not be detectable considering the current state of scientific and technical knowledge.

SQS Certificate, ISO 9001, Registr.No. 11179

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