

Codice: **GH/300**

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1. IDENTIFICATION OF SUBSTANCE AND COMPANY

- 1.1 Commercial Name: **PCActive**
- 1.2 Relevant uses identified: Active substance for cosmetics use.
- 1.3 Information on data sheet provider: PROGRESSUS Srl - Via B. Ubaldi – 06024 Gubbio (PG)
Tel. +39.075.9277974 - E-mail: info@progressus.it
- 1.4 Emergency telephone: +39.0759276749

2. IDENTIFICATION OF DANGERS

- 2.1 Substance classification: Derivative of polyglycerol and pyrrolidone carboxylic acid.
- 2.2 Label elements: Risk warnings not required
- 2.3 Other dangers: No danger found in normal use. Not listed among the substances considered dangerous to health according to directive 67/548/EEC and successive adjustments, nor among substances with recognized exposure limits.

3. COMPOSITION/INFORMATION OF INGREDIENTS

- 3.1 Chemical Identity: Triglycerol monoester with pyrrolidone carboxylic acid
- 3.2 Concentration: 100%
- 3.3 INCI name: POLYGLYCERYL-3 PCA
- 3.4 CAS number: 1165848-66-7
- 3.5 Origin (12th Dir.): Synthesis of raw materials of plant origin

4. FRIST AID MEASURES

- 4.1 Contact with skin: Remove contaminated clothing and rinse thoroughly with running water. And subsequently wash with soap the parts of the body which have come into contact with the product.
- 4.2 Contact with the eyes: with eyelids open, wash eyes immediately and thoroughly with running water. If irritation persists, consult a specialist; do not use eyedrops or ointments of any sort prior to consulting an optician
- 4.3 Ingestion: Do not induce Vomiting. Consult a doctor who will decide the best course of action to take, if necessary.
- 4.4 Inhalation: Effects of this kind are not expected. Should inhalation occur, ventilate the room, move the injured person to a well-ventilated place to rest.



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5. FIRE SAFETY

- 5.1 Extinction method:: Water, CO2, foam and chemical powders depending on materials involved in the fire..
- Prohibited extinguishers: None in particular
- 5.2 Special hazards arising from the substance: If the product is involved in a fire, toxic gases and can be aggressive.
- 5.3 Recommendations for fire fighters: Breathing apparatus and adequate clothing. Follow necessary precautions in fires involving chemical products.

6. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES.

- 6.1 Handling precautions: Wear protective gear that is appropriate for the emergency. Block the leak at source if safe to do so.
- 6.2 Environmental precautions: Control leak with soil or sand. Prevent leak from penetrating sources of water or sewerage systems and from contaminating soil or vegetation. If this should occur, contact the relevant authorities.
- 6.3 Methods and materials for control and clearance: Soak up the product with inert material. After clearing, wash the area and relative materials with water.
- 6.4 References and other sections: Not necessary.

7. HANDLING AND STORAGE

- 7.1 Precautions for safe handling:
- Use protective rubber or PVC gloves
 - Use protective glasses
 - Do not eat, drink or smoke in work areas;
 - Wash hands after use
 - Remove contaminated clothing and protective equipment before accessing areas where food is eaten.
- 7.2 Conditions for safe storage and possible incompatibility:
- Store the product in original containers or in plastic or stainless steel containers;
 - Avoid basic or easily oxidisable materials;
 - Keep the product at a temperature between 5° and 35°. Never exceed 50°.
 - No particular environmental conditions are required.
- 7.3 Specific End use: Emulsifier for cosmetic use.



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8. EXPOSURE CONTROL / INDIVIDUAL PROTECTION

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| 8.1 Control parameters: | Results of clinical experiments carried out on substances of the same chemical classification, imply an acute oral toxicity (DL50) >2000 mg/Kg. The product does not contain any substances subject to environmental exposure limits in the workplace (DPR 303 – 19/03/56). |
| Evaluation: | There is no known evidence of effects of carcinogenesis, mutagenesis or teratogenesis.. |
| 8.2 Measures and equipment for personal protection | <ul style="list-style-type: none"> • Protective glasses • Protective PVC or rubber gloves • Follow the usual precautional measures for handling chemical products. |

9. PHYSICAL AND CHEMICAL PROPERTIES

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|-----------------------------|--|
| Form: | Liquid limpid |
| Colour: | Amber |
| Odour: | Light, characteristic |
| Density at 25°C: | >1 g/ml |
| Ph, dispersion. Aqueous 5%: | Natural. |
| Pour point: | 60° approx. |
| Boiling point: | >149°C |
| Flash point: | Not applicable |
| Solubility: | Dispersible in water, miscible in oils |
| Auto-ignition temperature: | Not determined |
| Decomposition point: | >200° |
| Explosive properties: | Not relevant |
| Oxidizing properties: | Not relevant |

10. STABILITY AND REACTIVITY

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|--|---|
| 10.1 Reactivity: | No potential danger known at present. |
| 10.2 Chemical stability: | Stable in conditions previously mentioned (see 7.2) |
| 10.3 Possibility of dangerous reactions: | None known at present. |
| 10.4 Conditions to avoid: | None in particular, except for those previously indicated. (see 7.2) |
| 10.5 Incompatible materials: | None in particular |
| 10.6 Reactivity: | No potential dangers known at present. |
| 10.7 Dangerous decomposition products: | If the product is involved in a fire, toxic and aggressive fumes may develop. |



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11. INFORMATION ON TOXICOLOGICAL EFFECTS

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|------------------|---|
| Skin Irritation: | Product not irritating. In Vitro test on reconstructed epidermis , model Epi-200 EpiDerm™ |
| Eye Irritation: | Product not irritating. In Vitro test on model of reconstructed epidermis EpiOcular™ |

12. ECOLOGICAL INFORMATION

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|-------------------------------------|--|
| 12.1 Ichtyo-toxicity: | >1-10 mg/l |
| 12.2 Persistence and degradability: | Product is over 90% biodegradable (OECD) in accordance with the requirements of detergent regulation 648/2004/EC |
| 12.3 Bioaccumulation potential | None, in normal conditions of use. |
| 12.4 Mobility in soil: | Not available |
| 12.5 PBT and PvB Evaluation: | Not prescribed |
| 12.6 Other adverse effects: | Data not available |

13. DISPOSAL

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|-----------------------------------|--|
| 13.1 Methods of Refuse treatment: | Product to be used according to common industrial practices in order to protect the environment. Send to authorized establishments or incinerate under controlled conditions |
| Classification: | EEC Directive 88/379, EEC Directive 67/548, EEC Directive 99/45 and reference formulations |

14. TRANSPORTATION INFORMATION

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|------------------|----------------------------------|
| 14.1 ONU number: | Not available |
| 14.2 RID/ADR: | Product not considered dangerous |
| 14.3 IMDG: | Product not considered dangerous |
| 14.4 ICAO/IATA: | Product not considered dangerous |



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15 INFORMATION ON REGULATIONS

15.1 Standards and Legislation

NIOSH – Registry of Toxic Effects of Chemical Substances (1983).

N.Irving Sax, R.J. Lewis Sr. – Dangerous Properties of industrial Materials – ED. Van Nostrand, Reinhold- 1989, 7th edition.

CESIO – Classification and Labelling of Anionic, Nonionic Surfactants (1990).

CID (SSOG- [test centre for oils and fats industries]) – Contribution to the compilation of safety data sheets of surfactants, 2nd edition.

ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents – 1993/ 1994

SINTALEX- Version 7.0

D.M. [Ministerial Decree]– 16 February 1993 (classification of dangers of substances).

CCNL – Attached 1 “TLV FOR 1989/90”

EINECS- European Inventory of Existing Commercial Chemical Substances

15.2 Chemical safety evaluation:

The product is not mentioned in the attachments and is not required fulfill any requirements of regulations (relevant incident risks D.P.R 175/88 and subsequent modifications).

Where applicable, with respect to the type of product and / or use, reference is made to the following regulations:

D.M. 28/01/92. Classification, packaging and labeling of dangerous products.

D.P.R 547/56. General regulations for work hygiene.

D.P.R 203/88. Emissions in the atmosphere.

D.L. 277/91. Exposure to chemical agents.

Law 136/83. Biodegradability of detergents.

D.L. 98/92. Biodegradability of surfactants contained in detergents.

D.P.R. 250/89 Labeling of detergents.

D.P.R. 175/88. (Seveso Directive), 2nd, 3rd and 4th attachment .

Law 319/76 (water drainage) and D.L. 133/92 (Water drainage).

Ministerial Circulars 46 and 61. Aromatic amines.

16. OTHER INFORMATION

16.1 The information provided in this safety data sheet is based on our current knowledge and on community regulations. The product must not be used for reasons other than those specified in section 1, unless handling instructions have been received in writing. It is the responsibility of the user to take all necessary measures in compliance with local and national regulations.



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