MATERIAL SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name	:	PCR® Supermolecular Escin
Product ID	:	PMQH03
INCI Name	:	ESCIN, HYDROXYPROPYL CYCLODEXTRIN
CAS No.	:	6805-41-0, 94035-02-6

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses	:	Body/Skin Care

1.3 Details of the supplier of the safety data sheet

Company	:	Plamed Green Science Group
Telephone	:	0086-29-81021258
E-mail address	:	sales@plamed.cn
Address	:	No.69 Jinye Road, Xi'an, Shaanxi, China
Official Website	:	www.plamed.cn

1.4 Emergency telephone

Emergency Phone #	:	0086-29-81021258

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

2.2 Label elements

2.3 Other hazards - none

SECTION 3: Composition/information on ingredients

3.1 Substances

SECTION 4: First aid measures

4.1 Description of first-aid measures

Inhalation: Transfer to fresh air; If symptoms do not ease, call an emergency worker or doctor.

Skin contact: wash with soapy water or with 9g/L NaCl aqueous solution; If symptoms do not ease, call an emergency worker or doctor

Contact with eyes: Rinse with water; If symptoms do not ease, call an emergency worker or doctor

Swallow: Immediately gargle with water and drink plenty of water; If symptoms do not ease, call an emergency worker or doctor

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Recommended fire extinguishers: Carbon dioxide, dry powder.

5.2 Special hazards arising from the substance or mixture

No data available

5.3 Advice for firefighters

No data available

5.4 Further information

No data available

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

No special personal protection is required to evacuate people.

6.2 Environmental precautions

Prevent drainage into the sewer system

6.3 Methods and materials for containment and cleaning up

To wipe off with an absorbent substance (such as a rag); Where possible, collect products for reuse or disposal.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

No eating or smoking during operation

7.2 Conditions for safe storage, including any incompatibilities

Sealed, in shade and away from light

7.3 Precautions for storage

To ensure product quality, avoid close proximity to heat sources, strong acids or bases. Avoid prolonged exposure to air when not in use

SECTION 8: Exposure controls/personal protection

8.1 Precautionary Measures : No requirements under normal use

Eye protection: safety goggles

Hand of protection: protective gloves

Skin protection: Rinse with water after contact

Safeguard procedures: Do not eat, drink or smoke when using; Avoid skin contact

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Appearance	Off-white to light yellow powder
b) Odor	Characteristic
c) Odor Threshold	Characteristic
d) PH	No data available
e) Melting point/freezing point	No data available
f) Initial boiling point and boiling range	No data available
g) Flash point	311.8°C
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper/lower flammability or explosive limits	No data available
k) Vapor pressure	No data available
l) Vapor density	No data available
m) Relative density	No data available
n) Water solubility	Water soluble
o) Partition coefficient	No data available
p) Autoignition temperature	No data available

q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available

9.2 Other safety information
No data available

SECTION 10: Stability and reactivity

10.1 Reactivity
No data available

10.2 Chemical stability
Stable storage conditions are recommended, if stratified, shake well

10.3 Possibility of hazardous reactions
No data available

10.4 Conditions to avoid
Avoid light and heat. Avoid prolonged exposure to air when not in use

10.5 Incompatible materials
No data available

10.6 Hazardous decomposition products
Overheating may result in the release of irritant gases

SECTION 11: Toxicological information

11.1 Information on toxicological effects
None

SECTION 12: Ecological information

12.1 Toxicity

12.2 Persistence and degradability

12.3 Bioaccumulative potential

12.4 Mobility in soil

12.5 Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects
No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Dispose of products according to local regulations.

SECTION 14: Transport information

14.1 UN number
ADR/RID: - IMDG: - IATA: -

14.2 UN proper shipping name
ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods

14.3 Transport hazard class(es)
ADR/RID: - IMDG: - IATA: -

14.4 Packaging group
ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user

No data available

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

None

15.2 Chemical Safety Assessment

None

SECTION 16: Other information

The above content is based on our knowledge and the data information mentioned in this security information table. These are specific to the products mentioned above and should help to take adequate safety precautions.

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For and on behalf of
PLAMED GREEN SCIENCE GROUP
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Authorized signature(s)