1 Identification of the substance

1.1 Product identifier
Identification of the substance
Pluronic P123

Additional identification
Poly(ethylene glycol)-block-poly(propylene glycol)-block-poly(ethylene glycol); PEG-PPG-PEG

Cataloge Number
FP106449

REACH No.
A registration number is not available for this substance as the substance or its uses are exempted from registration or the annual tonnage does not require a registration.

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

Restriction on use
not for food or drug use, for laboratory use only

1.3 Details of the supplier of the safety data sheet
Company
Carbosynth Ltd
8&9 Old Station Business Park
COMPTON RG20 6NE

Phone
+44 1635 578444

Mail
customerservice@biosynth-carbosynth.com

1.4 Emergency telephone number
Phone
24hr/7days: +44 118 338 8269

2 Hazards identification

2.1 Classification of the substance or mixture

Physical Hazards
not classified

Health Hazards
not classified

Environmental Hazards
not classified

2.2 Label elements

Regulatory List
EC1272/08 Regulation (EC) 1272/2008 (GHS/CLP)

Precautionary Statement
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P262 Do not get in eyes, on skin, or on clothing.

2.3 Sonstige Gefahren
Caution! To the best of our knowledge the toxicological properties of this material have not been thoroughly investigated.

3 Composition/information on ingredients

Substance related information

Substance name
Pluronic P123

Synonyms
Poly(ethylene glycol)-block-poly(propylene glycol)-block-poly(ethylene glycol); PEG-PPG-PEG

Cas No.
[9003-11-6]

Formula
\((C_3H_6O\cdotC_2H_4O)x\)

4 First aid measures
4.1 Description of first aid measures
First Aid: Eye
Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

First Aid: Skin
Wash immediately with plenty of water and soap for at least 15 minutes. Remove contaminated clothing and shoes. Wash contaminated clothes before reuse. Call a physician.

First Aid: Ingestion
Wash out mouth with water provided person is conscious. Call a physician.

4.2 Most important symptoms and effects, both acute and delayed
Hints for Physician: Symptoms
See Section 11 for additional information on health hazards

4.3 Indication of any immediate medical attention and special treatment needed
First Aid: Inhalation
Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Call a physician.

Hints for Physician: Treatment
Treat symptomatically.

5 Firefighting measures
5.1 Extinguishing Media
Suitable
foam, dry extinguishing powder, carbon dioxide (CO2), water spray jet

5.2 Special hazards arising from the substance or mixture
Wear a self-contained breathing apparatus and chemical protective clothing.

Hazards During Fire-Fighting
toxic fumes

5.3 Fire-Fighting/Further Advice
Do not inhale explosion and combustion gases. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

6 Accidental release measures
6.1 Personal Precautions, protective equipment and emergency procedures
Wear breathing apparatus if exposed to vapours/dusts/aerosols. Provide adequate ventilation.

6.2 Environmental Precautions
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Ensure all waste water is collected and treated via a waste water treatment plant.

6.3 Methods and material for containment and cleaning up
not available

6.4 Further Accidental Release Measures
Collect in closed and suitable containers for disposal. Clear contaminated areas thoroughly. Ventilate affected area.

7 Handling and storage
7.1 Precautions for safe handling
Handling advice
Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Avoid prolonged or repeated exposure. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities
Storage temperature
store at 10°C - 25°C

Storage Requirements
Keep away from incompatible substances. Store in a cool, dry, well-ventilated area away from incompatible substances.

7.3 Specific end use(s)

8 Exposure controls/personal protection
8.1 Exposure limit values
Does not contain any substances with occupational exposure limits.
8.2 Exposure controls
Industrial Hygiene
Mechanical exhaust required. Safety shower and eye shower.

8.3 Personal Protective Equipment
Respiratory Protection
Wear NIOSH/MSHA or European Standard EN 149 approved respirator.

Hand Protection
Wear compatible chemical-resistant gloves to prevent skin exposure.

Eye Protection
Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA.

Body Protection
Wear compatible chemical-resistant gloves and clothing to prevent skin exposure.

Advice on Safe Handling
Wash contaminated clothing before reuse. Wear appropriate protective clothing to prevent exposure.

9 Physical and chemical properties
9.1 Information on basic Physical and chemical color properties
Color
colorless

Form
powder

Phase Transition Solid/Liquid
56.00 °C

Phase Transition Liquid/Gas
149.00 °C

9.2 Other information

10 Stability and reactivity
10.1 Reactivity
No Data Available

10.2 Chemical stability
No Data Available

10.3 Possibility of hazardous reaction
No Data Available

10.4 Conditions to Avoid (SDS)
incompatible materials

10.5 Incompatible materials
strong oxidizers

10.6 Hazardous decomposition products
carbon dioxide (CO2), carbon monoxide

11 Toxicological information
11.1 Information on toxicological effects
Acute Toxicity
LD50 oral, Rat, 9,380 mg/kg

Other Relevant Toxicity Information
Only selected Registry of toxic effects of chemical substances (RTECS) data is presented here. For the complete information, consult current entry in RTECS.

12 Ecological Information
12.1 Toxizität

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<th>Species</th>
<th>Method</th>
<th>Exposure Time</th>
<th>Value in standard unit mg/l</th>
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12.2 Persistence and degradability
Remarks: no data available

12.3 Bioaccumulative potential
Remarks: no data available

12.4 Mobility in soil
no data available

12.5 Results of PBT and vPvB assessment
no data available

12.6 Other adverse effects
no data available

13 Disposal considerations
Advice on Disposal and Packaging

Advice on Disposal
Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and Exhaust air. Dispose of waste according to laws applicable.

Advice on Packaging
not available

14 Transport information

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15 Other regulations

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

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</table>

Regulatory List
AREC, DSL, ECL, ENCS, IECSC, NZIOC, PICCS, TCSI, TSCA

15.2 Chemical safety assessment
No chemical safety assessment has been carried out.

16 Additional information

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