# SAFETY DATA SHEET



PL-Latex Carboxyl - Uniform Latex Particles

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

1.1 Product identifier

Product name : PL-Latex Carboxyl - Uniform Latex Particles

Part no. : PL6101-6101, PL6101-6102, PL6101-6103, PL6102-6101, PL6103-6101, PL6103-6102,

PL6103-6103, PL6104-6101, PL6104-6121, PL6104-6122, PL6104-6141, PL6104-6142, PL6115-6101, PL6115-6102, PL6115-6103, PL6102-6102, PL6102-6103, PL6104-6102, PL6104-6104, PL610

PL6104-6103

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

Identified uses : Reagents and Standards for Analytical Chemistry Laboratory Use

PL-Latex Carboxyl White, 100nm 15mL PL6101-6101 PL-Latex Carboxyl White, 100nm 100mL PL6101-6102 PL6101-6103 PL-Latex Carboxyl White, 100nm 1L PL6102-6101 PL-Latex Carboxyl White, 200nm 15mL PL6103-6101 PL-Latex Carboxyl White, 300nm 15mL PL-Latex Carboxyl White, 300nm 100mL PL6103-6102 PL-Latex Carboxyl White, 300nm 1L PL6103-6103 PL-Latex Carboxyl White, 400nm 15mL PL6104-6101 PL-Latex Carboxyl Blue, 400nm 15mL PL6104-6121 PL-Latex Carboxyl Blue, 400nm 100mL PL6104-6122 PL6104-6141 PL-Latex Carboxyl Red, 400nm 15mL PL6104-6142 PL-Latex Carboxyl Red, 400nm 100mL PL-Latex Carboxyl White, 150nm 15mL PL6115-6101 PL-Latex Carboxyl White, 150nm 100mL PL6115-6102 PL-Latex Carboxyl White, 150nm 1L PL6115-6103 PL-Latex Carboxyl White, 200nm 100mL PL6102-6102 PL-Latex Carboxyl White, 200nm 1L PL6102-6103 PL-Latex Carboxyl White, 400nm 100ml PL6104-6102 PL-Latex Carboxyl White, 400nm 1000ml PL6104-6103

Uses advised against : None known.

#### 1.3 Details of the supplier of the safety data sheet

Agilent Technologies Deutschland GmbH Hewlett-Packard-Str. 8 76337 Waldbronn Germany 0800 603 1000

e-mail address of person : pdl-msds author@agilent.com

responsible for this SDS

### 1.4 Emergency telephone number

Emergency telephone : CHEMTREC®: +353 1 901 4670 number (with hours of

operation)

### **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

**Product definition**: Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Not classified.

The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Ingredients of unknown: Contains 10% of components with unknown hazards to the aquatic environment

ecotoxicity

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# **SECTION 2: Hazards identification**

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

#### 2.2 Label elements

Signal word : No signal word.

**Hazard statements** No known significant effects or critical hazards.

**Precautionary statements** 

**Prevention**  Not applicable. Response : Not applicable. **Storage** : Not applicable. **Disposal** : Not applicable. : Not applicable.

Supplemental label

elements

: Not applicable.

**Annex XVII - Restrictions** on the manufacture, placing on the market and use of certain dangerous substances,

**Special packaging requirements** 

Tactile warning of

mixtures and articles

danger

: Not applicable.

#### 2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006,

**Annex XIII** 

Other hazards which do

not result in classification : This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

: None known.

# **SECTION 3: Composition/information on ingredients**

3.2 Mixtures : Mixture

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

#### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

**Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower

eyelids. Check for and remove any contact lenses. Get medical attention if irritation

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get

medical attention if symptoms occur.

**Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and

shoes. Get medical attention if symptoms occur.

Ingestion Wash out mouth with water. If material has been swallowed and the exposed person is

> conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

#### 4.2 Most important symptoms and effects, both acute and delayed

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# **SECTION 4: First aid measures**

### Over-exposure signs/symptoms

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact : No specific data.

Ingestion : No specific data.

### 4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large

quantities have been ingested or inhaled.

**Specific treatments**: No specific treatment.

# **SECTION 5: Firefighting measures**

#### 5.1 Extinguishing media

Suitable extinguishing

media

: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing

media

: None known.

#### 5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture

: In a fire or if heated, a pressure increase will occur and the container may burst.

**Hazardous combustion** 

products

: Decomposition products may include the following materials:

carbon dioxide carbon monoxide

### 5.3 Advice for firefighters

**Special precautions for fire-fighters** 

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters

: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

# **SECTION 6: Accidental release measures**

#### 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.

For emergency responders

: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions

: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

#### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up

: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

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# SECTION 6: Accidental release measures

6.4 Reference to other sections

: See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

# **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling

**Protective measures** 

: Put on appropriate personal protective equipment (see Section 8). Avoid release to the environment.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

### 7.2 Conditions for safe storage, including any incompatibilities

**Storage** 

: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. See Section 10 for incompatible materials before handling or use.

#### 7.3 Specific end use(s)

Recommendations : Industrial applications, Professional applications.

Industrial sector specific: Not available.

solutions

# **SECTION 8: Exposure controls/personal protection**

### 8.1 Control parameters

# Occupational exposure limits

No exposure limit value known.

### **Biological exposure indices**

No exposure indices known.

### Recommended monitoring procedures

Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

#### **DNELs/DMELs**

Not available.

#### **PNECs**

Not available.

#### 8.2 Exposure controls

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# **SECTION 8: Exposure controls/personal protection**

Appropriate engineering controls

: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

#### **Individual protection measures**

**Hygiene measures** 

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** 

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with sideshields.

**Skin protection** 

**Hand protection** 

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Body protection** 

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

**Environmental exposure** controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

# **SECTION 9: Physical and chemical properties**

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

# 9.1 Information on basic physical and chemical properties

**Appearance** 

Physical state : Liquid. [beads dispersed in aqueous solution]

Colour : Opaque. / White.

Odour : Not available.

Odour threshold : Not available.

Melting point/freezing : Not available.

point

Boiling point or initial boiling point and boiling

range

: Not available.

Flammability : Not applicable.

Lower and upper : Not available.

explosion limit/

explosion limit/ flammability limit Flash point

Not applicable.Not available.

Auto-ignition temperature

: Not available.

**Decomposition temperature** 

pН

: 5 to 6

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# **SECTION 9: Physical and chemical properties**

Viscosity : Dynamic (room temperature): Not available.

Kinematic (room temperature): Not available.

Kinematic (40°C): Not available.

Solubility : Media Result

water Insoluble

Partition coefficient: n-

octanol/water

Not applicable.

Vapour pressure : 2.3 kPa (17.5 mm Hg) [Based on solvent.]

Relative density : Not available.

Relative vapour density : Not available.

Particle characteristics

Median particle size : Not applicable.

#### 9.2 Other information

9.2.1 Information with regard to physical hazard classes

Explosive properties : Not available.

Oxidising properties : Not available.

9.2.2 Other safety characteristics

Miscible with water : No.

**Evaporation rate** : Not available. **Physical/chemical** : Not available.

properties comments

# **SECTION 10: Stability and reactivity**

10.1 Reactivity : No specific test data related to reactivity available for this product or its ingredients.

**10.2 Chemical stability** : The product is stable.

10.3 Possibility of hazardous reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid : No specific data.

10.5 Incompatible

materials

: May react or be incompatible with oxidising materials.

10.6 Hazardous decomposition products

: Under normal conditions of storage and use, hazardous decomposition products should

not be produced.

# **SECTION 11: Toxicological information**

#### 11.1 Information on toxicological effects

**Acute toxicity** 

Conclusion/Summary

: Not available.

[Product]

**Acute toxicity estimates** 

N/A

**Skin corrosion/irritation** 

Conclusion/Summary:

[Product]

: Not available.

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# **SECTION 11: Toxicological information**

#### Serious eye damage/eye irritation

**Conclusion/Summary** 

: Not available.

[Product]

#### **Respiratory corrosion/irritation**

**Conclusion/Summary** 

: Not available.

[Product]

#### Respiratory or skin sensitization

Skin

**Conclusion/Summary** 

: Not available.

[Product]

Respiratory

**Conclusion/Summary** 

: Not available.

[Product]

**Germ cell mutagenicity** 

**Conclusion/Summary** 

[Product]

: Not available.

**Carcinogenicity** 

Conclusion/Summary

[Product]

: Not available.

Reproductive toxicity

**Conclusion/Summary** 

: Not available.

[Product]

#### Specific target organ toxicity (single exposure)

Not available.

#### Specific target organ toxicity (repeated exposure)

Not available.

# **Aspiration hazard**

Not available.

Information on likely

: Not available.

routes of exposure

# Potential acute health effects

Eye contact: No known significant effects or critical hazards.Inhalation: No known significant effects or critical hazards.Skin contact: No known significant effects or critical hazards.Ingestion: No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.
Inhalation : No specific data.
Skin contact : No specific data.
Ingestion : No specific data.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Short term exposure** 

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# **SECTION 11: Toxicological information**

**Potential immediate** 

effects

: Not available.

**Potential delayed** 

effects

Not available.

Long term exposure

**Potential immediate** 

effects

: Not available.

**Potential delayed** 

: Not available.

effects

#### Potential chronic health effects

**Conclusion/Summary** 

: Not available.

[Product]

General : No known significant effects or critical hazards.
 Carcinogenicity : No known significant effects or critical hazards.
 Mutagenicity : No known significant effects or critical hazards.
 Reproductive toxicity : No known significant effects or critical hazards.

#### 11.2 Information on other hazards

#### 11.2.1 Endocrine disrupting properties

**Conclusion/Summary** 

[Product]

: The product does not meet the criteria to be considered as having endocrine disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or

Regulation (EC) No 1272/2008.

# **SECTION 12: Ecological information**

#### 12.1 Toxicity

**Conclusion/Summary** 

[Product]

: Not available.

#### 12.2 Persistence and degradability

Not available.

Conclusion/Summary

: Not available.

[Product]

### 12.3 Bioaccumulative potential

Not available.

#### 12.4 Mobility in soil

### Soil/water partition coefficient

Not available.

### Results of PMT and vPvM assessment

This mixture does not contain any substances that are assessed to be a PMT or a vPvM.

Mobility : Not available.

**Conclusion/Summary**: The product does not meet the criteria to be considered as a PMT or vPvM.

#### 12.5 Results of PBT and vPvB assessment

#### Regulation (EC) No. 1907/2006 [REACH]

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**Regulation (EC) No. 1272/2008 [CLP]** 

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**Conclusion/Summary**: The product does not meet the criteria to be considered as a PBT or vPvB.

Regulation (EC) No. 1272/2008 [CLP]

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# **SECTION 12: Ecological information**

#### 12.6 Endocrine disrupting properties

# Conclusion/Summary [Product]

: The product does not meet the criteria to be considered as having endocrine disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or Regulation (EC) No 1272/2008.

### 12.7 Other adverse effects

No known significant effects or critical hazards.

# **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

### **Product**

**Methods of disposal** 

: Dispose of contents/container via a licensed waste disposal contractor. Avoid release to the environment. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

**Hazardous waste** 

: Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

#### **Packaging**

Methods of disposal

: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Special precautions** 

: This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

# **SECTION 14: Transport information**

	ADR/RID	IMDG	IATA
14.1 UN number or ID number	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	No.	No.	No.

#### **Additional information**

14.6 Special precautions for user

: **Transport within user's premises**: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk according to IMO instruments

: Not available.

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# **SECTION 15: Regulatory information**

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture <u>EU Regulation (EC) No. 1907/2006 (REACH)</u>

Annex XIV - List of substances subject to authorisation

**Annex XIV** 

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Product / Ingredient name	Identifiers	Designation [Usage]
1, 3	EC: 500-008-9 CAS: 9003-53-6	78

Labelling : Not applicable.

Synthetic polymer microparticles - Designation 78

**Generic identity of** 

polymer(s)

: Polystyrene

Total percentage of : 10%

synthetic polymer microparticles

The synthetic polymer microparticles supplied is subject to conditions laid down by entry 78 of Annex XVII to Regulation (EC) No 1907/2006 of the European Parliament and of the Council.

#### Other EU regulations

Ozone depleting substances (EU 2024/590)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

**Persistent Organic Pollutants** 

Not listed.

**Seveso Directive** 

This product is not controlled under the Seveso Directive.

**International regulations** 

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

**Montreal Protocol** 

Not listed.

**Stockholm Convention on Persistent Organic Pollutants** 

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

**UNECE Aarhus Protocol on POPs and Heavy Metals** 

Not listed.

**Inventory list** 

Australia : All components are listed or exempted.

Canada : All components are listed or exempted.

China : All components are listed or exempted.

**Eurasian Economic** 

**Union** 

: Russian Federation inventory: All components are listed or exempted.

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# **SECTION 15: Regulatory information**

Japan : Japan inventory (CSCL): All components are listed or exempted.

Japan inventory (ISHL): All components are listed or exempted.

New Zealand : All components are listed or exempted.
 Philippines : All components are listed or exempted.
 Republic of Korea : All components are listed or exempted.
 Taiwan : All components are listed or exempted.

Thailand : Not determined.

Turkey : Not determined.

United States : All components are active or exempted.Viet Nam : All components are listed or exempted.

15.2 Chemical safety assessment

: This product contains substances for which Chemical Safety Assessments might still

be required.

# **SECTION 16: Other information**

Indicates information that has changed from previously issued version.

Abbreviations and acronyms

: ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous

Goods by Road

ATE = Acute Toxicity Estimate

B = Bioaccumulative

BCF = Bioconcentration Factor

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No.

1272/2008

DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level

EUH statement = CLP-specific Hazard statement IATA = International Air Transport Association IMDG = International Maritime Dangerous Goods IMO = International Maritime Organization

M = Mobile

N/A = Not available P = Persistent

PBT = Persistent, Bioaccumulative and Toxic

PMT = Persistent, Mobile and Toxic PNEC = Predicted No Effect Concentration

RID = The Regulations concerning the International Carriage of Dangerous Goods by

Rail

RRN = REACH Registration Number

SGG = Segregation Group

T = Toxic

vB = Very Bioaccumulative

vM = Very Mobile vP = Very Persistent

vPvB = Very Persistent and Very Bioaccumulative

vPvM = Very Persistent and Very Mobile

#### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Not classified.	

#### **Full text of abbreviated H statements**

Not applicable.

#### Full text of classifications [CLP/GHS]

Not applicable.

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# **SECTION 16: Other information**

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