

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

PTX Brightex® Softclean Powder (non-caustic)

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

Use of the substance/mixture

Manufacture of pulp, paper and paper products, Paints and varnishes Plastic articles, Washing and cleaning products, Polishing agent, Filler, Colouring agent, pigment, Manufacture of rubber products

1.3. Details of the supplier of the safety data sheet

Company name: **C.S. UNITEC INC.**
Street: 22 Harbor Avenue
Place US NORWALK CT 06850
Telephone: 001 2038539522
e-mail: info@csunitec.com

1.4. Emergency telephone number

Telephone: 001 203 8539522

2. Hazards identification

2.1 Classification of the substance or mixture

GB CLP Regulation

This mixture is not classified as hazardous in accordance with GB CLP Regulation.

2.2 Label elements

2.3 Other hazards

No information available.

3. Composition/information on ingredients

3.2 Mixtures

Hazardous components

| CAS-No | Chemical name | | | Anteil |
|-----------|------------------------------------|----------|----------|----------|
| | EC-No | Index-No | REACH No | |
| | Classification (GB CLP Regulation) | | | |
| 1317-65-3 | Calciumcarbonat, natürlich | | | 85-100 % |
| | 215-279-6 | | | |

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

| CAS-No | EC No | Chemical name | Quantity |
|-----------|--|----------------------------|----------|
| | Specific Conc. Limits, M-factors and ATE | | |
| 1317-65-3 | 215-279-6 | Calciumcarbonat, natürlich | 85-100 % |
| | oral: LD50 = >5000 mg/kg | | |

4. First aid measures**4.1 Description of first aid measures**

After inhalation : Provide fresh air.
After contact with skin : Wash with plenty of water. Take off contaminated clothing and wash it before reuse.
After contact with eyes : Rinse immediately carefully and thoroughly with eye-bath or water.
After ingestion : Rinse mouth immediately and drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Firefighting measures**5.1 Extinguishing media**

Suitable extinguishing media
Co-ordinate fire-fighting measures to the fire surroundings.

5.2 Special hazards arising from the substance or mixture

Non-flammable.

5.3 Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

6. Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Avoid dust formation. Do not breathe dust.

6.2 Environmental precautions

No special environmental measures are necessary. Clean contaminated articles and floor according to the environmental legislation.

6.3 Methods and material for containment and cleaning up

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.

6.4 Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8, Disposal: see section 13

7. Handling and storage**7.1 Precautions for safe handling****Advice on safe handling**

No special measures are necessary.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

7.2 Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Hints on joint storage

Do not store together with: acid.

8. Exposure controls/personal protection**8.1 Control parameters**

Exposure limits (EH40)

| CAS No | Substance | ppm | mg/m ³ | fibres/ml | Category |
|-----------|-------------------------------|-----|-------------------|-----------|-----------|
| 1317-65-3 | Calcium carbonate, respirable | - | 4 | | TWA (8 h) |

8.2 Exposure controls**Protective and hygiene measures**Take off contaminated clothing. Wash hands before breaks and after work.
When using do not eat or drink.**Eye/face protection**

Tightly sealed safety glasses.

Hand protection

In case of prolonged or frequently repeated skin contact: Suitable gloves type: NBR (Nitrile rubber).

Skin protection

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

9. Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Physical state: solid (Powder),

Colour: whitish

Odour: odourless

| | | Test method |
|---|----------------------------------|----------------|
| Melting point/freezing point: | > 800 °C | |
| Boiling point or initial boiling point and boiling range: | not determined | |
| Flammability: | not determined not applicable | |
| Lower explosion limits: | not determined | |
| Upper explosion limits: | not determined | |
| Flash point: | not applicable | |
| Decomposition temperature: | not determined | |
| pH-Value (at 20 °C): | (100g/l) 8,5-9,5 | DIN ISO 787/9 |
| Water solubility: (at 20 °C) | 0,014 g/l | |
| Solubility in other solvents | not determined | |
| Partition coefficient n-octanol/water: | not determined | |
| Vapour pressure: | not determined | |
| Density (at 20 °C): | 2,6-2,8 g/cm ³ | DIN ISO 797/10 |
| Relative vapour density: | not determined | |

9.2 Other information

Information with regard to physical hazard classes

Self-ignition temperature

Solid:

not determined

Gas:

not applicable

Oxidizing properties

not oxidising.

Other safety characteristics

Evaporation rate:

not determined

Solid content:

not determined

Decomposition temperature:

>600 °C

10. Stability and reactivity

10.1 Reactivity

This material is considered to be non-reactive under normal use conditions.

10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3 Possibility of hazardous reactions

Reacts with : Acid. Hazardous decomposition products: Carbon dioxide (CO₂).
 Carbon dioxide can displace oxygen.

10.4 Conditions to avoid

none

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

Thermal decomposition > 600°C

Acid. Hazardous decomposition products: Carbon dioxide (CO₂).

Carbon dioxide can displace oxygen.

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

| CAS-No | Chemical name | | | | |
|-----------|----------------------------|--------------------|---------|--------|--------|
| | Exposure route | Dose | Species | Source | Method |
| 1317-65-3 | Calciumcarbonat, natürlich | | | | |
| | oral | LD 50 > 5000 mg/kg | Rat | | |

Irritation and corrosivity

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

12. Ecological information

12.1 Toxicity

Based on available data, the classification criteria are not met.

| CAS-No | Chemical name | | | | | |
|-----------|----------------------------|--------------------|-----------|-------------------------------------|--------|--------|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source | Method |
| 1317-65-3 | Calciumcarbonat, natürlich | | | | | |
| | Acute fish toxicity | LC 50 > 10000 mg/l | 96 h | Oncorhynchus mykiss (Rainbow trout) | | |
| | Acute algae toxicity | ErC 50 > 200 mg/l | 72 h | Desmodesmus subspicatus | | |
| | Acute crustacea toxicity | EC 50 > 1000 mg/l | 48 h | Daphnia magna | | |

12.2 Persistence and degradability

Inorganic product which is not eliminable from water through biological cleaning processes. Due to its low solubility in water the product is almost completely mechanically separated in biological sewage plants. The methods for determining the biological degradability are not applicable to inorganic substances..

12.3 Bioaccumulative potential

The product has not been tested.

12.4 Mobility in soil

The product has not been tested.

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.
The product has not been tested.

12.6 Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No information available.

Further information

No special environmental measures are necessary.

13. Disposal considerations**13.1 Waste treatment methods****Disposal recommendations**

Dispose of waste according to applicable legislation.

Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled.

14. Transport information**Land transport (ADR/RID)**

| | |
|----------------------------------|--|
| 14.1 UN-Nummer: | No dangerous good in sense of this transport regulation. |
| 14.2 UN proper shipping name: | No dangerous good in sense of this transport regulation. |
| 14.3 Transport hazard class(es): | No dangerous good in sense of this transport regulation. |
| 14.4 Packing group: | No dangerous good in sense of this transport regulation. |

Inland waterways transport (ADN)

| | |
|----------------------------------|--|
| 14.1 UN-Nummer: | No dangerous good in sense of this transport regulation. |
| 14.2 UN proper shipping name: | No dangerous good in sense of this transport regulation. |
| 14.3 Transport hazard class(es): | No dangerous good in sense of this transport regulation. |
| 14.4 Packing group: | No dangerous good in sense of this transport regulation. |

Marine transport (IMDG)

| | |
|----------------------------------|--|
| 14.1 UN-Nummer: | No dangerous good in sense of this transport regulation. |
| 14.2 UN proper shipping name: | No dangerous good in sense of this transport regulation. |
| 14.3 Transport hazard class(es): | No dangerous good in sense of this transport regulation. |
| 14.4 Packing group: | No dangerous good in sense of this transport regulation. |

Air transport (ICAO-TI/IATA-DGR)

| | |
|----------------------------------|--|
| 14.1 UN-Nummer: | No dangerous good in sense of this transport regulation. |
| 14.2 UN proper shipping name: | No dangerous good in sense of this transport regulation. |
| 14.3 Transport hazard class(es): | No dangerous good in sense of this transport regulation. |
| 14.4 Packing group: | No dangerous good in sense of this transport regulation. |

14.5 Environmental hazards

ENVIRONMENTALLY HAZARDOUS No

14.6 Special precautions for user

No information available.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

Other applicable information

No dangerous good in sense of this transport regulation.

15. Regulatory information

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

National regulatory information

Water hazard class (D): - - non-hazardous to water

15.2 Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

16. Other information

Changes

This data sheet contains changes, see sections.

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.