

SAFETY DATA SHEET

Based upon Regulation (EC) No. 1907/2006, as amended by Regulation (EC) No. 453/2010

INUTEC H25P

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

1.1 Product identifier:

Product name : INUTEC H25P
Registration number REACH : No data available
Product type REACH : Substance/mono-constituent
CAS number : 9005-80-5
EC number : 232-684-3
Formula : (C6H10O5)_n

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

1.2.1 Relevant identified uses

Cosmetic product: component

1.2.2 Uses advised against

No uses advised against known

1.3 Details of the supplier of the safety data sheet:

Supplier of the product

Gracefruit Limited
146 Glasgow Road
Stirlingshire
FK4 1QL

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

2.1.1 Classification according to Regulation EC No 1272/2008

Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

2.1.2 Classification according to Directive 67/548/EEC-1999/45/EC

Not classified as dangerous according to the criteria of directive(s) 67/548/EEC and/or 1999/45/EC

2.2 Label elements:

Labelling according to Regulation EC No 1272/2008 (CLP)

Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

2.3 Other hazards:

CLP

Its dust is explosive with air
Dust cloud can be ignited by a spark
Slightly irritant to eyes

SECTION 3: Composition/information on ingredients

3.1 Substances:

| Name (REACH Registration No) | CAS No EC No | Conc. (C) | Classification according to DSD/DPD | Classification according to CLP | Note | Remark |
|------------------------------|------------------------|-----------|--|------------------------------------|------|------------------|
| inulin (-) | 9005-80-5 232-684-3 | C≥99% | | | | Mono-constituent |

Publication date: 2010-10-04

Date of revision: 2012-11-23

Reason for revision: REACH/CLP

Revision number: 0100

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3.2 Mixtures:

Not applicable

SECTION 4: First aid measures

4.1 Description of first aid measures:

General:

Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with laboured breathing: half-seated. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital.

After inhalation:

Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

After skin contact:

Wipe off dry product from skin.

After eye contact:

Rinse with water. Take victim to an ophthalmologist if irritation persists.

After ingestion:

Consult a doctor/medical service if you feel unwell.

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

4.2.1 Acute symptoms

After inhalation:

No effects known.

After skin contact:

Not irritating.

After eye contact:

Slight irritation.

After ingestion:

No effects known.

4.2.2 Delayed symptoms

No effects known.

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

If applicable and available it will be listed below.

SECTION 5: Firefighting measures

5.1 Extinguishing media:

5.1.1 Suitable extinguishing media:

Water spray. Polyvalent foam. ABC powder. Carbon dioxide.

5.1.2 Unsuitable extinguishing media:

Solid water jet ineffective as extinguishing medium.

5.2 Special hazards arising from the substance or mixture:

Upon combustion: CO and CO₂ are formed.

5.3 Advice for firefighters:

5.3.1 Instructions:

No specific fire-fighting instructions required.

5.3.2 Special protective equipment for fire-fighters:

Gloves. Protective clothing. Dust cloud production: compressed air/oxygen apparatus. Heat/fire exposure: compressed air/oxygen apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Prevent dust cloud formation, e.g. by wetting. No naked flames. In case of dust production: no naked flames or sparks. Dust: spark-/explosionproof appliances/lighting equipment.

6.1.1 Protective equipment for non-emergency personnel

See heading 8.2

6.1.2 Protective equipment for emergency responders

Gloves. Protective clothing. Dust cloud production: compressed air/oxygen apparatus.

Suitable protective clothing

See heading 8.2

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6.2 Environmental precautions:

Contain released substance, pump into suitable containers. Plug the leak, cut off the supply. Knock down/dilute dust cloud with water spray.

6.3 Methods and material for containment and cleaning up:

Stop dust cloud by humidifying. Scoop solid spill into closing containers. Powdered: do not use compressed air for pumping over spills. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.

6.4 Reference to other sections:

See heading 13.

SECTION 7: Handling and storage

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

7.1 Precautions for safe handling:

Avoid raising dust. Keep away from naked flames/heat. Finely divided: spark- and explosionproof appliances. Finely divided: keep away from ignition sources/sparks. Observe normal hygiene standards. Keep container tightly closed.

7.2 Conditions for safe storage, including any incompatibilities:

7.2.1 Safe storage requirements:

Store in a dry area. Meet the legal requirements.

7.2.2 Keep away from:

Heat sources, ignition sources, oxidizing agents, water/moisture.

7.2.3 Suitable packaging material:

No data available

7.2.4 Non suitable packaging material:

No data available

7.3 Specific end use(s):

If applicable and available, exposure scenarios are attached in annex. See information supplied by the manufacturer.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters:

8.1.1 Occupational exposure

a) Occupational exposure limit values

If limit values are applicable and available these will be listed below.

b) National biological limit values

If limit values are applicable and available these will be listed below.

8.1.2 Sampling methods

| Product name | Test | Number |
|-------------------|------|--------|
| No data available | | |

8.1.3 Applicable limit values when using the substance or mixture as intended

If limit values are applicable and available these will be listed below.

8.1.4 DNEL/PNEC values

If applicable and available it will be listed below.

8.1.5 Control banding

If applicable and available it will be listed below.

8.2 Exposure controls:

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

8.2.1 Appropriate engineering controls

Avoid raising dust. Keep away from naked flames/heat. Finely divided: spark- and explosionproof appliances. Finely divided: keep away from ignition sources/sparks. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.

8.2.2 Individual protection measures, such as personal protective equipment

Observe normal hygiene standards. Keep container tightly closed. Do not eat, drink or smoke during work.

a) Respiratory protection:

Dust production: dust mask with filter type P1.

b) Hand protection:

Not required for normal conditions of use.

c) Eye protection:

Safety glasses. In case of dust production: protective goggles.

d) Skin protection:

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Not required for normal conditions of use.

8.2.3 Environmental exposure controls:

See headings 6.2, 6.3 and 13

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

| | |
|---------------------------|--|
| Physical form | Solid Powder |
| Odour | No data available on odour |
| Odour threshold | No data available |
| Colour | White to off-white |
| Particle size | No data available |
| Explosion limits | Lower explosion limit: No data available; Upper explosion limit: 30 g/m ³ |
| Flammability | Not easily combustible |
| Log Kow | No data available |
| Dynamic viscosity | No data available |
| Kinematic viscosity | No data available |
| Melting point | No data available |
| Boiling point | No data available |
| Flash point | No data available |
| Evaporation rate | No data available |
| Vapour pressure | No data available |
| Relative vapour density | Not applicable |
| Solubility | water ; soluble ; Literature |
| Relative density | No data available |
| Decomposition temperature | No data available |
| Auto-ignition temperature | 320 °C |
| Explosive properties | No chemical group associated with explosive properties |
| Oxidising properties | No chemical group associated with oxidising properties |
| pH | No data available |

Physical hazards

No physical hazard class

9.2 Other information:

| | |
|-------------------------|-------|
| Minimum ignition energy | 10 mJ |
|-------------------------|-------|

SECTION 10: Stability and reactivity

10.1 Reactivity:

Heating increases the fire hazard.

10.2 Chemical stability:

Hygroscopic.

10.3 Possibility of hazardous reactions:

No data available.

10.4 Conditions to avoid:

Avoid raising dust. Keep away from naked flames/heat. Finely divided: spark- and explosionproof appliances. Finely divided: keep away from ignition sources/sparks.

10.5 Incompatible materials:

Oxidizing agents, water/moisture.

10.6 Hazardous decomposition products:

Upon combustion: CO and CO₂ are formed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

11.1.1 Test results

Reason for revision: REACH/CLP

Publication date: 2010-10-04

Date of revision: 2012-11-23

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Acute toxicity

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No (test)data available

Conclusion

Not classified for acute toxicity

Corrosion/irritation

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No (test)data available

Conclusion

Not classified as irritating to the skin

Not classified as irritating to the eyes

Not classified as irritating to the respiratory system

Respiratory or skin sensitisation

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No (test)data available

Conclusion

Not classified as sensitizing for skin

Not classified as sensitizing for inhalation

Specific target organ toxicity

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No (test)data available

Conclusion

Not classified for subchronic toxicity

Mutagenicity (in vitro)

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No (test)data available

Mutagenicity (in vivo)

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No (test)data available

Carcinogenicity

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No (test)data available

Reproductive toxicity

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No (test)data available

Conclusion CMR

Not classified for carcinogenicity

Not classified for mutagenic or genotoxic toxicity

Not classified for reprotoxic or developmental toxicity

Toxicity other effects

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No (test)data available

Chronic effects from short and long-term exposure

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No effects known.

11.1.2 Other information

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No (test)data available

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SECTION 12: Ecological information

12.1 Toxicity:

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No (test) data available

Conclusion

No data available on ecotoxicity

12.2 Persistence and degradability:

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Biodegradation water

| Method | Value | Duration | Value determination |
|-------------------------------|--------|-----------|---------------------|
| OECD 301D: Closed Bottle Test | 95.5 % | 28 day(s) | Experimental value |

Conclusion

Readily biodegradable in water

12.3 Bioaccumulative potential:

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Log Kow

| Method | Remark | Value | Temperature | Value determination |
|--------|-------------------|-------|-------------|---------------------|
| | No data available | | | |

Conclusion

No bioaccumulation data available

12.4 Mobility in soil:

No (test) data on mobility of the substance available

12.5 Results of PBT and vPvB assessment:

Due to insufficient data no statement can be made whether the substance fulfils the criteria of PBT and vPvB according to Annex XIII of Regulation (EC) No 1907/2006.

12.6 Other adverse effects:

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Global warming potential (GWP)

Not included in the list of substances which may contribute to the greenhouse effect (Regulation (EC) No 842/2006)

Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No. 1272/2008 and 1005/2009)

SECTION 13: Disposal considerations

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

13.1 Waste treatment methods:

13.1.1 Provisions relating to waste

Waste material code (Directive 2008/98/EC, decision 2000/0532/EC).

07 06 (wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics).

07 06 99 (wastes not otherwise specified). Depending on branch of industry and production process, also other EURAL codes may be applicable. Can be considered as non hazardous waste according to Directive 2008/98/EC.

13.1.2 Disposal methods

Remove waste in accordance with local and/or national regulations. Remove to an authorized waste treatment plant.

13.1.3 Packaging/Container

No data available.

SECTION 14: Transport information

Road (ADR)

14.1 UN number:

| | |
|-----------|-------------|
| Transport | Not subject |
|-----------|-------------|

14.2 UN proper shipping name:

14.3 Transport hazard class(es):

Reason for revision: REACH/CLP

Publication date: 2010-10-04

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| | |
|------------------------------|--|
| Hazard identification number | |
| Class | |
| Classification code | |

14.4 Packing group:

| | |
|---------------|--|
| Packing group | |
| Labels | |

14.5 Environmental hazards:

| | |
|--|----|
| Environmentally hazardous substance mark | no |
|--|----|

14.6 Special precautions for user:

| | |
|--------------------|--|
| Special provisions | |
| Limited quantities | |

Rail (RID)

14.1 UN number:

| | |
|-----------|-------------|
| Transport | Not subject |
|-----------|-------------|

14.2 UN proper shipping name:

14.3 Transport hazard class(es):

| | |
|------------------------------|--|
| Hazard identification number | |
| Class | |
| Classification code | |

14.4 Packing group:

| | |
|---------------|--|
| Packing group | |
| Labels | |

14.5 Environmental hazards:

| | |
|--|----|
| Environmentally hazardous substance mark | no |
|--|----|

14.6 Special precautions for user:

| | |
|--------------------|--|
| Special provisions | |
| Limited quantities | |

Inland waterways (ADN)

14.1 UN number:

| | |
|-----------|-------------|
| Transport | Not subject |
|-----------|-------------|

14.2 UN proper shipping name:

14.3 Transport hazard class(es):

| | |
|---------------------|--|
| Class | |
| Classification code | |

14.4 Packing group:

| | |
|---------------|--|
| Packing group | |
| Labels | |

14.5 Environmental hazards:

| | |
|--|----|
| Environmentally hazardous substance mark | no |
|--|----|

14.6 Special precautions for user:

| | |
|--------------------|--|
| Special provisions | |
| Limited quantities | |

Sea (IMDG)

14.1 UN number:

| | |
|-----------|-------------|
| Transport | Not subject |
|-----------|-------------|

14.2 UN proper shipping name:

14.3 Transport hazard class(es):

| | |
|-------|--|
| Class | |
|-------|--|

14.4 Packing group:

| | |
|---------------|--|
| Packing group | |
| Labels | |

14.5 Environmental hazards:

| | |
|--|----|
| Marine pollutant | - |
| Environmentally hazardous substance mark | no |

14.6 Special precautions for user:

| | |
|--------------------|--|
| Special provisions | |
| Limited quantities | |

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

| | |
|--------------------------|--|
| Annex II of MARPOL 73/78 | |
|--------------------------|--|

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Air (ICAO-TI/IATA-DGR)

14.1 UN number:

| | |
|-----------|-------------|
| Transport | Not subject |
|-----------|-------------|

14.2 UN proper shipping name:

14.3 Transport hazard class(es):

| | |
|-------|--|
| Class | |
|-------|--|

14.4 Packing group:

| | |
|---------------|--|
| Packing group | |
| Labels | |

14.5 Environmental hazards:

| | |
|--|----|
| Environmentally hazardous substance mark | no |
|--|----|

14.6 Special precautions for user:

| | |
|---|--|
| Special provisions | |
| Passenger and cargo transport: limited quantities: maximum net quantity per packaging | |

SECTION 15: Regulatory information

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

European legislation:

Volatile organic compounds (VOC)

0 %

National legislation

- The Netherlands

| | |
|---|---|
| Waterbezwaarlijkheid (the Netherlands) | 4 |
| Waste identification other lists of waste materials | LWCA (the Netherlands): KGA category 03 |

- Germany

| | | |
|-----|---|---|
| WGK | 3 | Internal classification water polluting based on standard worst-case evaluation points due to insufficient data |
|-----|---|---|

15.2 Chemical safety assessment:

No chemical safety assessment has been conducted.

SECTION 16: Other information

Labelling according to Directive 67/548/EEC-1999/45/EC (DSD/DPD)

Not classified as dangerous in compliance with Directive 67/548/EEC and/or Directive 1999/45/EC

(*) = INTERNAL CLASSIFICATION BY BIG

PBT-substances = persistent, bioaccumulative and toxic substances

DSD Dangerous Substance Directive

DPD Dangerous Preparation Directive

CLP (EU-GHS) Classification, labelling and packaging (Globally Harmonised System in Europe)

The information in this safety data sheet is based on data and samples provided to Gracefruit. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions may be used. Old versions must be destroyed. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances/preparations/mixtures in question. Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances. BIG does not guarantee the accuracy or exhaustiveness of the information provided. Use of this safety data sheet is subject to the licence and liability limiting conditions as stated in your licence agreement. All intellectual property rights to this sheet are the property its distribution and reproduction are limited.

Reason for revision: REACH/CLP

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