

Safety data sheet according to Regulation (EC) 1907/2006

Printing date: 14.05.2020


Date of compilation / revision: 14.05.2020


Version/revision number: 7

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

- **1.1 Product identifier**
- **Trade name: UBESTA 3030LI3**
- **1.2 Relevant identified uses of the substance or mixture**
 Uses advised against: MEDICAL APPLICATIONS such as any implantation in the human body or any contact with internal body fluids/tissues are PROHIBITED, since compliance with medical regulations is not assured.
- **Sector of Use**
 SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
- **Application of the substance / the mixture**
 Extrusion
 Film, injection moulding
- **1.3 Details of the supplier of the safety data sheet**
 UBE Corporation Europe, S.A.U.
 Polígono El Serrallo s/n
 12100 Grao de Castellón (Spain)
 Tel: +34 964 73 80 00
 SDS.UBE.EU@ube.com
- **Commercial office:**
 UBE Corporation Europe, S.A.U.
 Immermannstraße 65B
 40210 Dusseldorf (Germany)
 Tel: +49 211 178 83 28
- **1.4 Emergency telephone number: +44 (0)1235 239670 (24h/7day)**

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
- 
GHS07

 Skin Sens. 1 H317 May cause an allergic skin reaction.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
 The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**
- 
GHS07
- **Signal word** Warning
- **Hazard-determining components of labelling:**
 maleic anhydride
- **Hazard statements**
 H317 May cause an allergic skin reaction.
- **Precautionary statements**
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.

(Contd. on page 2)

Safety data sheet according to Regulation (EC) 1907/2006

Printing date: 14.05.2020

Date of compilation / revision: 14.05.2020

Version/revision number: 7

Trade name: UBESTA 3030LI3

- P272 Contaminated work clothing should not be allowed out of the workplace.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **2.3 Other hazards**
 - **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.
 - **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Mixture: consisting of the following components.

- **Dangerous components:**

| | | |
|---|--|------------|
| CAS: 1333-86-4 EINECS: 215-609-9 Reg.nr.: 01-2119384822-32-XXXX | Carbon Black substance with a Community workplace exposure limit | ≥0.1-≤2.5% |
| CAS: 108-31-6 EINECS: 203-571-6 | maleic anhydride | <0.1% |
| | <ul style="list-style-type: none"> ⚠ Resp. Sens. 1, H334; STOT RE 1, H372 ⚠ Skin Corr. 1B, H314; Eye Dam. 1, H318 ⚠ Acute Tox. 4, H302; Skin Sens. 1A, H317 | |

- **Non dangerous components**

| | | |
|------------|--------------|------|
| 24937-16-4 | Polyamide 12 | >70% |
|------------|--------------|------|

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:**
 Immediately remove any clothing soiled by the product.
 Take affected persons out into the fresh air.
 Seek medical treatment.
- **After inhalation:**
 If exposed to vapors from heating and molding material , remove to fresh air .
 If symptoms, coughing and discomfort in nose and throat remain, get medical attention.
- **After skin contact:**
 Immediately wash with water and soap and rinse thoroughly.
 If redness, itching or burning sensation develops, get medical attention.
 After contact with the molten product, cool rapidly with cold water.
 Do not pull solidified product off the skin.
 Seek medical treatment.
- **After eye contact:**
 Immediately flush exposed area with copious amounts of tepid water for at least 15 minutes
 If redness, itching or burning sensation develops, do not rub eyes and immediately get medical attention.
- **After swallowing:**
 Rinse out mouth and then drink plenty of water.
 Do not induce vomiting; call for medical help immediately.
- **4.2 Most important symptoms and effects, both acute and delayed**
 At molten state, expected to cause burns to skin.
 Irreversible dermatitis will occur if you do not wash affected skin immediately and thoroughly.

(Contd. on page 3)

Safety data sheet according to Regulation (EC) 1907/2006

Printing date: 14.05.2020

Date of compilation / revision: 14.05.2020

Version/revision number: 7

Trade name: UBESTA 3030LI3
4.3 Indication of any immediate medical attention and special treatment needed

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing agents:

Water

Fire-extinguishing powder

Carbon dioxide

Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents: Not known

5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released:

Carbon monoxide (CO)

 Carbon Dioxide (CO₂)

Under certain fire conditions, traces of other toxic gases cannot be excluded, e.g.:

Maleic anhydride

Hydrogen cyanide (HCN)

 Ammonia (NH₃)

5.3 Advice for firefighters
Protective equipment:

Firefighters should wear appropriate protective equipment

Mouth respiratory protective device.

Additional information

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Stop leak if you can do so without risk

Remove combustible materials

Ensure adequate ventilation

Use personal protective equipment as indicated in paragraph 8

6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Sweep up to prevent slipping on polymer pellets

Send for recovery or disposal in suitable receptacles.

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

(Contd. on page 4)

Safety data sheet according to Regulation (EC) 1907/2006

Printing date: 14.05.2020

Date of compilation / revision: 14.05.2020

Version/revision number: 7

Trade name: UBESTA 3030LI3

- Wash hands before breaks and at the end of work.
- Do not eat, drink, smoke or sniff while working.
- Molten state:
- Avoid skin contact with the liquefied material.
- Avoid breathing dust/fume/vapours.
- **Information about fire - and explosion protection:** Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store in cool, dry conditions in well sealed receptacles.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Protect from heat and direct sunlight.
- **7.3 Specific end use(s)**
No further relevant information available.
See item 1.2

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:**
Adequate ventilation should be maintained at handling.
Additionally, local exhaust ventilation recommended at melting process.

- **8.1 Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

1333-86-4 Carbon Black

| | |
|---------------------|---|
| WEL (Great Britain) | Short-term value: 7 mg/m ³ Long-term value: 3.5 mg/m ³ |
|---------------------|---|

108-31-6 maleic anhydride

| | |
|---------------------|--|
| WEL (Great Britain) | Short-term value: 3 mg/m ³ Long-term value: 1 mg/m ³ Sen |
|---------------------|--|

- **Additional information:** The lists valid during the making were used as basis.

- **8.2 Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

- **Respiratory protection:**

Not necessary if room is well-ventilated.

Unnecessary under normal processing

Use suitable respiratory protective device in case of insufficient ventilation.

Molten state:

Wear a respirator conforming to EN140 at least with Type A filter.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

- **Protection of hands:**



Protective gloves

Molten state:

Heat protection gloves

(Contd. on page 5)

Safety data sheet

according to Regulation (EC) 1907/2006

Printing date: 14.05.2020

Date of compilation / revision: 14.05.2020

Version/revision number: 7

Trade name: UBESTA 3030LI3

- **Material of gloves** Leather gloves
- **Eye protection:**



Safety glasses

Safety goggles should be worn. At treating hot polymer or molten polymer, face shield should be recommended.

- **Skin and body protection:** Protective work clothing
- **Limitation and supervision of exposure into the environment**
Prevent the material from spreading into the environment.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

| | |
|------------------|-----------------|
| Form: | Pellets |
| Colour: | Black |
| Odour: | Light |
| Odour threshold: | Not determined. |

· pH-value: Not applicable.

· Change in condition

| | |
|--|-------------------|
| Melting point/freezing point: | 173-183 °C (PA12) |
| Initial boiling point and boiling range: | Undetermined. |

· Flash point: Not applicable.

· Flammability (solid, gas): Product is not flammable.

· Decomposition temperature: Not determined.

· Auto-ignition temperature: Not determined.

· Explosive properties: Product does not present an explosion hazard.

· Explosion limits:

| | |
|--------|-----------------|
| Lower: | Not applicable. |
| Upper: | Not applicable. |

· Vapour pressure: Not applicable.

| | |
|------------------|-----------------------------|
| Density: | Not determined. |
| Relative density | Not determined for mixture. |
| Vapour density | Not applicable. |
| Evaporation rate | Not applicable. |

· Solubility in / Miscibility with water: Insoluble.

· Partition coefficient: n-octanol/water: Not determined.

· Viscosity:

| | |
|------------|-----------------|
| Dynamic: | Not applicable. |
| Kinematic: | Not applicable. |

(Contd. on page 6)

Safety data sheet according to Regulation (EC) 1907/2006

Printing date: 14.05.2020

Date of compilation / revision: 14.05.2020

Version/revision number: 7

Trade name: UBESTA 3030LI3

- | | |
|--------------------------------|--|
| · Solvent content: | |
| VOC (EC) | 0.00 % |
| · 9.2 Other information | No further relevant information available. |

SECTION 10: Stability and reactivity

- **10.1 Reactivity** Stable under ordinary conditions of use and storage.
- **10.2 Chemical stability**
Stable at environment temperature.
The product is stable if stored and handled as prescribed/indicated
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**
No hazardous reactions if stored and handled as prescribed/indicated.
- **10.4 Conditions to avoid**
Avoid heat, flames, sparks and other sources of ignition.
Avoid high temperature
- **10.5 Incompatible materials:** Oxidizing agents, acids, bases and reactive agents.
- **10.6 Hazardous decomposition products:**
Carbon monoxide and carbon dioxide
Hydrogen cyanide (prussic acid)
Ammonia

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values relevant for classification:**

108-31-6 maleic anhydride

| | | |
|--------|------|----------------------|
| Oral | LD50 | 1,090 mg/kg (rat) |
| Dermal | LD50 | 2,620 mg/kg (rabbit) |

- **Primary irritant effect:**
- **Skin corrosion/irritation** Not classified (Lack of data)
- **Serious eye damage/irritation** Not classified (Lack of data)
- **Respiratory or skin sensitisation**
Not classified (Lack of data)
May cause an allergic skin reaction.
- **Other information (about experimental toxicology):**
Aspiration hazard: No further relevant information available.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
No further relevant information available.
- **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.

GB

(Contd. on page 7)

Safety data sheet according to Regulation (EC) 1907/2006

Printing date: 14.05.2020

Date of compilation / revision: 14.05.2020

Version/revision number: 7

Trade name: UBESTA 3030LI3

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Chemical residues generally count as special waste
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Disposal must be made according to official regulations.
- **Uncleaned packaging:**
- **Recommendation:**
Packaging may contain residues of the product and should be treated accordingly.
Disposal must be made according to official regulations.

SECTION 14: Transport information

| | |
|--|---|
| <ul style="list-style-type: none"> · 14.1 UN-Number | The substance is not classified under transport regulations Not applicable |
| <ul style="list-style-type: none"> · ADR, ADN, IMDG, IATA | Not applicable |
| <ul style="list-style-type: none"> · 14.2 UN proper shipping name | The substance is not classified under transport regulations Not applicable |
| <ul style="list-style-type: none"> · ADR, ADN, IMDG, IATA | Not applicable |
| <ul style="list-style-type: none"> · 14.3 Transport hazard class(es) | The substance is not classified under transport regulations |
| <ul style="list-style-type: none"> · ADR, ADN, IMDG, IATA · Class | Not applicable |
| <ul style="list-style-type: none"> · 14.4 Packing group | The substance is not classified under transport regulations Not applicable |
| <ul style="list-style-type: none"> · ADR, IMDG, IATA | Not applicable |
| <ul style="list-style-type: none"> · 14.5 Environmental hazards: · Marine pollutant: | No |
| <ul style="list-style-type: none"> · 14.6 Special precautions for user | Not applicable. |
| <ul style="list-style-type: none"> · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |

(Contd. on page 8)

Safety data sheet according to Regulation (EC) 1907/2006

Printing date: 14.05.2020

Date of compilation / revision: 14.05.2020

Version/revision number: 7

Trade name: UBESTA 3030LI3

| | |
|---------------------------------|----------------|
| · UN "Model Regulation": | Not applicable |
|---------------------------------|----------------|

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations:**
- **Other regulations, limitations and prohibitive regulations**
- **Substances of very high concern (SVHC) according to REACH, Article 57**
Product does not contain SVHCs.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H372 Causes damage to organs through prolonged or repeated exposure.
- **Training hints**
Specific training of workers to comply with the requirements specified in the Safety Data Sheet is required.
- **Department issuing SDS:** Product Liability group
- **Contact:** Contact with business unit for any issue related to the safety data sheet
- **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 Harmonised 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 (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 4: Acute toxicity - oral – Category 4
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Resp. Sens. 1: Respiratory sensitisation – Category 1
Skin Sens. 1: Skin sensitisation – Category 1
Skin Sens. 1A: Skin sensitisation – Category 1A
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
- *** Data compared to the previous version altered.**
Section 2: Classification update.
Section 3: Updating of the dangerousness of the components.

(Contd. on page 9)

Safety data sheet
according to Regulation (EC) 1907/2006

Printing date: 14.05.2020

Date of compilation / revision: 14.05.2020

Version/revision number: 7

Trade name: UBESTA 3030LI3

Section 5: Hazards arising from the substance or mixture.

Section 8: Update of substances with limit values.

Section 11: Toxicological data updated

GB