

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

Printing date: 07.03.2021

Date of compilation / revision: 07.03.2021

Version/revision number: 3

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

- **1.1 Product identifier**
- **Trade name: UBESTA 3030LI6**
- **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.
- **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.
 Fine Chemicals Unit
 Cardenal Marcelo Spínola, 2 (5 fl)
 28016 Madrid (Spain)
 Tel:+ 34 915 972 069
- **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**



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
 copper iodide
- **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.

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- 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: 7681-65-4 EINECS: 231-674-6	copper iodide ⚠ STOT RE 1, H372; ⚠ Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400 (M=10); Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1A, H317	<0.025%
CAS: 108-31-6 EINECS: 203-571-6 Reg.nr.: 01-2119472428-31-XXXX	maleic anhydride ⚠ Resp. Sens. 1, H334; STOT RE 1, H372; ⚠ Skin Corr. 1B, H314; Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Sens. 1A, H317	<0.1%

- **Non dangerous components**

24937-16-4	Polyamide 12	>50%
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- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:**
 Take affected persons out into the fresh air.
 Immediately remove any clothing soiled by the product.
 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

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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.

· **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.

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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
 Wash hands before breaks and at the end of work.
 Do not eat, drink, smoke or sniff while working.
 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)** See item 1.2

SECTION 8: Exposure controls/personal protection

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

· **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
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108-31-6 maleic anhydride

WEL (Great Britain)	Short-term value: 3 mg/m ³ Long-term value: 1 mg/m ³ Sen
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- **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.
 In accordance with Directive 89/686/EEC on personal protective equipment
- **Respiratory protection:**
 Not necessary if room is well-ventilated.
 Unnecessary under normal processing
 Use suitable respiratory protective device in case of insufficient ventilation.
 Melted 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.

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Trade name: UBESTA 3030LI6
Protection of hands:


Protective gloves

Molten state:

Heat protection gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

Leather gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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 because it is a solid mixture

Change in condition
Melting point/freezing point: 175-185 °C

Initial boiling point and boiling range: Not determined for mixture.

Flash point: Not determined for mixture.

Flammability (solid, gas): Not determined for mixture.

Ignition temperature Not determined for mixture.

Decomposition temperature: Not determined for mixture.

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· Auto-ignition temperature:	Not determined for mixture.
· Explosive properties:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined for mixture.
Upper:	Not determined for mixture.
· Oxidising properties	No oxidising properties
· Vapour pressure:	Not applicable because it is a solid mixture
· Density:	Not determined.
· Relative density	Not determined for mixture.
· Vapour density	Not applicable because it is a solid mixture
· Evaporation rate	Not applicable because it is a solid mixture
· Solubility in / Miscibility with water:	Not miscible or difficult to mix.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not applicable because it is a solid mixture
· 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 m^e t.

 · **LD/LC50 values relevant for classification:**
108-31-6 maleic anhydride

Oral	LD50	1,090 mg/kg (rat)
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Dermal	LD50	2,620 mg/kg (rabbit)
Inhalative	LC50/4 h	>4.35 mg/l (rat)
7681-65-4 copper iodide		
Oral	LD50	300-2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat) (OECD 402)

- **Primary irritant effect:**
- **Skin corrosion/irritation**
 Mixture:
 Based on available data, the classification criteria are not met.
 Components:
 Maleic Anhydride:
 Species: rabbit
 Result: corrosive
- **Serious eye damage/irritation**
 Mixture:
 Based on available data, the classification criteria are not met.
 Components:
 Maleic Anhydride:
 Species: rabbit
 Result: corrosive
- **Respiratory or skin sensitisation**
 Components:
 Cul:
 Skin sensitizing (Guinea pig maximization test)
 Mixture:
 May cause an allergic skin reaction.
- **Other information (about experimental toxicology):**
 Aspiration hazard: No further relevant information available.
- **Additional toxicological information:**
- **Acute effects (acute toxicity, irritation and corrosivity)**
 STOT-single exposure: Not available
 No further relevant information available.
- **Repeated dose toxicity**
 Components:
 Maleic Anhydride:
 Route of exposure: inhalation
 Target organs: respiratory system
 Assessment: The substance is classified as specific target organ toxicant, repeated exposure, category 1.
- **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.

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SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

7681-65-4 copper iodide

EC50(72h)	0.13 mg/L (green algae) (OECD 201)
LC50 (96 h)	1.67 mg/l (Oncorhynchus mykiss) (OECD 203)
EC50 (48 h)	0.59 mg/l (daphnia magna)
NOEC	0.03 mg/L /(7d) (algae)

108-31-6 maleic anhydride

NOEC(21d)	10 mg/L (daphnia magna)
EC50(72h)	74.35 mg/L (Pseudokirchnerella subcapitata)
EC50	77 mg/l /21d (daphnia magna)
LC50 (96 h)	75 mg/l (Oncorhynchus mykiss)
EC50 (48 h)	42.81 mg/l (daphnia magna)

· **12.2 Persistence and degradability** No further relevant information available.

· **12.3 Bioaccumulative potential**

Mixture:

Not determined for mixture.

Components:

Maleic Anhydride:

Low potential based on the log Kow

log Pow:-2.61 (20 °C)

· **12.4 Mobility in soil** No further relevant information available.

· **Additional ecological information:**

· **General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

· **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**

Disposal must be made according to official regulations.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packaging:**

· **Recommendation:**

Packaging may contain residues of the product and should be treated accordingly.

Disposal must be made according to official regulations.

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SECTION 14: Transport information

· 14.1 UN-Number	The substance is not classified under transport regulations
· ADR, ADN, IMDG, IATA	Not applicable
· 14.2 UN proper shipping name	The substance is not classified under transport regulations
· ADR, ADN, IMDG, IATA	Not applicable
· 14.3 Transport hazard class(es)	The substance is not classified under transport regulations
· ADR, ADN, IMDG, IATA	Not applicable
· Class	
· 14.4 Packing group	The substance is not classified under transport regulations
· ADR, IMDG, IATA	Not applicable
· 14.5 Environmental hazards:	
· Marine pollutant:	No
· 14.6 Special precautions for user	Not applicable.
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· UN "Model Regulation":	Not applicable

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008** GHS label elements
- **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.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H332 Harmful if inhaled.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H372 Causes damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- H411 Toxic to aquatic life with long lasting effects.

- **Training hints**

Specific training of workers to comply with the requirements specified in the Safety Data Sheet is required.

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- **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 relatif au transport international 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)
 - LC50: Lethal concentration, 50 percent
 - LD50: Lethal dose, 50 percent
 - PBT: Persistent, Bioaccumulative and Toxic
 - vPvB: very Persistent and very Bioaccumulative
 - Acute Tox. 4: Acute toxicity – Category 4
 - Skin Corr. 1B: Skin corrosion/irritation – Category 1B
 - Skin Irrit. 2: Skin corrosion/irritation – Category 2
 - 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
 - Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
 - Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
- **Sources** Safety data sheets of raw material suppliers.
- *** Data compared to the previous version altered.**
 - Section 3: Updating of the dangerousness of the components.
 - Section 8: Data updated.
 - Section 11: Toxicological data updated