

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

Printing date: 22.04.2016

Date of compilation / revision: 22.04.2016

Version / revision n°: 4

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

- **1.1 Product identifier**
- **Trade name:** UBESTA 3030JI46
- **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**  
Film, injection moulding  
Extrusion
- **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.es  
  
Oficina Comercial:  
UBE Corporation Europe, S.A.U  
Address: Immermannstrasse 65B D-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**  
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.
- **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** None
- **Signal word** None
- **Hazard statements**  
H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements**  
P273 Avoid release to the environment.  
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.

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**· Dangerous components:**

CAS: 148348-12-3	2-hexyldecyl p-hydroxybenzoate	<25%
ELINCS: 415-380-7	 Aquatic Chronic 2, H411	

**· Non dangerous components**

24937-16-4	Polyamide 12	>60%
	Impact modifier	<12%
	Others	<1%

**· Additional information:** For the wording of the listed risk phrases refer to section 16.

### 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 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 molding 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**

No specific treatment information is available. Symptomatic treatment is advisable

### 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)

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

Hydrogen cyanide (HCN)

Ammonia (NH<sub>3</sub>)

· **5.3 Advice for firefighters**

· **Protective equipment:**

Firefighters should wear appropriate protective equipment

Wear self-contained 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 product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

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

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.

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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 molding process.
- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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- **DNEL (workers)** Not available
- **DNEL (general population)** Not available
- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Wash hands before breaks and at the end of work.  
In accordance with Directive 89/686/EEC on personal protective equipment
- **Respiratory protection:**  
Not necessary if room is well-ventilated.  
Unnecessary under normal processing  
Melted state:  
Wear a respirator conforming to EN140 at least with Type A filter.
- **Protection of hands:**  
Melted 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**  
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 goggles should be worn. At treating hot polymer or molding, 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.

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### SECTION 9: Physical and chemical properties

#### · 9.1 Information on basic physical and chemical properties

##### · General Information

##### · Appearance:

Form:	Pellets
Colour:	White
· Odour:	Light
· Odour threshold:	Not applicable

· pH-value:	6.3 ethanol/wat (Dangerous component)
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##### · Change in condition

Melting point/Melting range:	Not determined for mixture.
Boiling point/Boiling range:	Not determined for mixture.

· Flash point:	224 °C (open cup) (Dangerous component)
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· Flammability (solid, gaseous):	Not determined for mixture.
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##### · Ignition temperature

Decomposition temperature:	Not determined for mixture.
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· Self-igniting:	Not determined for mixture.
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· Danger of explosion:	Not determined for mixture.
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##### · Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

· Oxidising properties	Not determined for mixture.
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· Vapour pressure:	Not applicable because it is a solid mixture
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· Density:	Not determined.
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· Vapour density at 20 °C	12.6 g/cm <sup>3</sup> ((Dangerous component))
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· Evaporation rate	Not applicable because it is a solid mixture
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· Solubility in / Miscibility with water:	Insoluble.
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· Partition coefficient (n-octanol/water):	Not determined for mixture.
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##### · Viscosity:

Dynamic at 40 °C:	520 mPas (Dangerous component)
Kinematic:	Not applicable because it is a solid mixture

· 9.2 Other information	No further relevant information available.
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### SECTION 10: Stability and reactivity

#### · 10.1 Reactivity

148348-12-3 2-Hexydecyl- p-hydroxybenzoate:

Risk of ignition contact with oxidizing agent.

· **10.2 Chemical stability** The product is stable if stored and handled as prescribed/indicated

#### · **Thermal decomposition / conditions to be avoided:**

Stable at environment temperature.

No decomposition if used and stored according to specifications.

· **10.3 Possibility of hazardous reactions** No dangerous reactions known.

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- **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  
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:**

#### 148348-12-3 2-hexyldecyl p-hydroxybenzoate

Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation**  
148348-12-3 2-Hexyldecyl- p-hydroxybenzoate:  
Rabbit, undiluted, 0.5 mL, 4 hours semi-occluded application test (ECC) : Not classified
- **Serious eye damage/irritation**  
148348-12-3 2-Hexyldecyl- p-hydroxybenzoate:  
Rabbit, undiluted, 0.1 mL (ECC) : Not classified
- **Respiratory or skin sensitisation**  
Not determined for mixture.  
148348-12-3 2-Hexyldecyl- p-hydroxybenzoate:  
Skin sensitizing (Guinea pig maximization test)
- **Other information (about experimental toxicology):**  
Aspiration hazard: No further relevant information available.
- **Acute effects (acute toxicity, irritation and corrosivity)**  
STOT-single exposure: Not available  
No further relevant information available.
- **Repeated dose toxicity**  
148348-12-3 2-Hexyldecyl- p-hydroxybenzoate:  
Oral, Rat, 28 days repeated dose oral toxicity test :  
NOAEL = 1000 mg/kg
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**  
148348-12-3 2-Hexyldecyl- p-hydroxybenzoate:  
Ames test: Negative  
Chromosome aberration test: Negative
- **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:

##### 148348-12-3 2-hexyldecyl p-hydroxybenzoate

EC 50 (3h)	>100 mg/L (sludge) (respiration inhibition test)
EC50 (48 h)	>30 mg/l (daphnia magna)
IC50 (72h)	1.9 mg/L (algae)
LC50 (96 h)	>30 mg/l (rainbow trout)
NOEC(21d)	0.0057 mg/L (daphnia magna) (reproduction test)

#### · 12.2 Persistence and degradability

Not determined for mixture.

148348-12-3 2-Hexyldecyl- p-hydroxybenzoate:

CO2 evolution test (OECD301B) : 6 % (28 days)

Not easily biodegradable

#### · 12.3 Bioaccumulative potential

No further relevant information available.

#### · 12.4 Mobility in soil

No further relevant information available.

#### · Ecotoxicological effects:

**· Remark:** Harmful to fish

#### · Additional ecological information:

##### · General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Harmful to aquatic organisms

#### · 12.5 Results of PBT and vPvB assessment

**· PBT:** Not applicable.

**· vPvB:** Not applicable.

#### · 12.6 Other adverse effects

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

### SECTION 13: Disposal considerations

#### · 13.1 Waste treatment methods

##### · Recommendation

Chemical residues generally count as special waste

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.

### SECTION 14: Transport information

#### · 14.1 UN-Number

**· ADR, ADN, IMDG, IATA**

None

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· <b>14.2 UN proper shipping name</b> · <b>ADR, ADN, IMDG, IATA</b>	None
· <b>14.3 Transport hazard class(es)</b> · <b>ADR, ADN, IMDG, IATA</b> · <b>Class</b>	None
· <b>14.4 Packing group</b> · <b>ADR, IMDG, IATA</b>	None
· <b>14.5 Environmental hazards:</b> · <b>Marine pollutant:</b>	No
· <b>14.6 Special precautions for user</b>	Not applicable.
· <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	Not classification assigned
· <b>UN "Model Regulation":</b>	None

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
No further relevant information available.
- **15.2 Chemical safety assessment:**  
For the mixture:  
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**  
H411 Toxic to aquatic life with long lasting effects.
- **Training hints** Workers don't need to have an specific training to handle the substance.
- **Department issuing MSDS:** Product Liability
- **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)  
 DNEL: Derived No-Effect Level (REACH)  
 PNEC: Predicted No-Effect Concentration (REACH)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: very Persistent and very Bioaccumulative  
 Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2

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Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

· \* **Data compared to the previous version altered.** Section 1: Changed name of the company

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