

# Safety Data Sheet



EVERYTHING MATTERS

According to Regulation (EC) No. 1907/2006 (REACH) and (EC) No. 1272/2008

 : Product Name  
UBQ™ Tablets-All grades

## SECTION 1

### Identification of the Substance and of the Company

**1.1 Product Name:** UBQ™ Tablets-All grades

**Chemical Family:** Thermoplastic and Organic substance •

**Product Description:** A composite of organic substances with trace minerals •

**Physical Appearance:** Dark Tablets with slight odor •

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

• **Sector of Use:**

SU3 Industrial uses: Use of substances as is or in preparations at industrial sites

SU12 Manufacture of plastics products, including compounding and conversion

• **Product Category:** PC32 Polymer preparations and compounds

• **Recommended Use:** May be used to produce molded or extruded articles or as a component of other industrial products.

**1.3 Details of the supplier of the safety data sheet**

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## SECTION 2

### Hazards Identification

**2.1 Classification according to Regulation (EC) No 1272/2008**

Based on available data, the substance is not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

**2.2 Label elements**

- The product is not under obligation of labelling as per Regulation (EC) 1272/2008 (CLP) nor by GHS.
- The product, in the form in which it is marketed, does not present any health hazard if inhaled, taken in or in contact with the skin according to Regulation (EC)1272/2008 Annex I part 1.3.4.1

**2.3 Hazard pictograms:** none

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## 2.4 Hazard statements:

- No hazards resulting from material as supplied
- All ingredients are bonded and potential for hazardous exposure is minimal

## 2.5 Other hazards: Results of PBT and vPvB assessment:

Not applicable.

## SECTION 3

### Composition/Information on Ingredients

#### 3.1 Preparation:

- Composite made up of organic substances and a mix of polymer compounds with trace minerals.
- No substances included in the candidate list under article 59(1.10) of the REACH regulation EC1907/2006 (known as SVHC) were intentionally added in concentration > 0.1% w/w.

#### 3.2 Ingredient:

Chemical Name	CAS#	EC#	1272/2008	%w/w
UBQ Tablets	----	---	None	100

Remaining ingredients are proprietary, non-hazardous and/or present at amounts below reportable limits.

## SECTION 4

### First Aid Measures

#### 4.1 Description of first aid measures

##### General information:

- No special measures required.
- The usual precautionary measures are to be adhered to when handling chemicals.

##### Skin contact:

- Generally, the product does not irritate the skin.
- After contact with the molten product, cool rapidly with cold water.
- Do not pull solidified product off the skin.
- Thermal burns require immediate medical attention.
- Grease-like processing vapor condenses on ventilation ductwork, molds, and other surfaces and can cause irritation and injury to the skin. If skin irritation continues, consult a doctor.

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## Inhalation:

- Take affected persons into fresh air.
- Processing vapors may cause irritation to the eyes, skin, and respiratory tract.
- In cases of severe exposure, nausea and headache may occur.
- If complications occur after processing vapors have been inhaled, seek medical attention.

## Eye contact:

- Rinse opened eye for several minutes under running water. Remove any contact lenses.
- If symptoms persist, consult doctor.

## Ingestion:

- Rinse out mouth and then drink plenty of water.
- If vomiting occurs; if vomiting person is laying on their back, they should be turned onto their side.
- Don't give anything to drink an unconscious person.
- Do not induce vomiting unless directed to do so by a medical professional.
- Get medical attention if symptoms occur.

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

No further relevant information available.

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

No further relevant information available.

## SECTION 5

### Firefighting Measures

#### 5.1 Extinguishing media

**Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**Unsuitable extinguishing agents:** Water with full jet.

#### 5.2 Special hazards arising from the substance or mixture

- Formation of toxic gases is possible during heating or in case of fire.
- In case of fire, the following can be released: CO<sub>x</sub>, NO<sub>x</sub>, Hydrocarbons and some other gases/vapors

#### 5.3 Special protective equipment for fire fighters:

Wear self-contained respiratory protective devices. Wear fully protective suit.

#### 5.4 Additional information

Dispose of fire debris and contaminated firefighting water in accordance with official regulations. Fire may produce irritating gases and dense smoke. Avoid accumulation and dispersion of dust. High dust concentrations have a potential for combustion or explosion.

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## SECTION 6

### Accidental Release Measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

- Avoid grinding and formation of dust.
- Particular danger of slipping on leaked/spilled product.
- Wear protective clothing (see Section 8).

#### 6.2 Environmental precautions:

- Do not allow to enter sewers, or surface or ground water.
- Do not allow to penetrate the ground/soil.

#### 6.3 Methods and material for containment and cleaning up:

- Pick up mechanically. Send for recovery or disposal in suitable receptacles.

#### 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

- At all stages of the operation, do not exceed the temperature at which decomposition into dangerous substances occur.
- Ensure good ventilation/exhaustion at the workplace.
- Prevent formation of dust. In case of dust formation wear a dust mask.

#### Information about fire and explosion protection:

- Keep ignition sources away – smoking is prohibited in areas where this material is handled, stored, and processed.
- Protect from heat.
- Protect against electrostatic charges.

#### 7.2 Conditions for safe storage, including any incompatibilities

##### Storage:

- Store in cool, dry place in tightly closed receptacles.
- Keep away from heat and direct sunlight.

##### Requirements to be met by storerooms and receptacles:

- Store in a cool location.
- Store only in the original receptacle.

**Information about storage in one common storage facility:** Store away from foodstuffs.

**Further information about storage conditions:** None.

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## 7.3 Specific end use(s)

- Spilled material may create slipping hazard.
- Molten plastic can cause severe thermal burns.
- Secondary operations, such as grinding, sanding, or sawing, can produce dust which may present an explosion or respiratory hazard.

## SECTION 8

### Exposure Controls/Personal Protection

#### 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 must be monitored at the workplace.

#### 8.2 Exposure controls

General protective and hygienic measures:

- The usual precautionary measures are to be adhered to when handling chemicals.
- Do not eat, drink, or smoke while working with, or near, materials.

**Respiratory protection:** Not necessary if space is well-ventilated.

**Protection of hands:**

- Chemical-resistant, impervious gloves complying with an approved standard should be worn when handling the material.
- Use additional heat protection gloves when handling hot molten material.

**Eye protection:** Safety glasses (e.g. EN 166)

**Body protection:** Protective work clothing should be worn, depending on the activity and possible exposure (e.g. against splashes of hot molten material, or in case of dust).

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## SECTION 9

### Physical and Chemical Properties

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

<b>Form</b>	Tablets with slight odor
<b>Color</b>	Dark
<b>Odor</b>	Specific
<b>Odor threshold</b>	Not determined
<b>pH-value</b>	Not applicable
<b>Melting point/Melting range</b>	Not determined
<b>Boiling point/Boiling range</b>	Not determined
<b>Flash point</b>	Not applicable
<b>Flammability (solid, gaseous)</b>	Not determined
<b>Auto ignition temperature</b>	Product is not self-igniting
<b>Decomposition temperature</b>	≥220 °C
<b>Danger of explosion</b>	Hard to explode Din EN 1404-3 and 14034-3/A1
<b>Explosion limits</b>	Lower: 150 g/m <sup>3</sup>
<b>Vapour pressure</b>	None
<b>Vapour density</b>	Not applicable
<b>Density</b>	1.2- 1.4 g/cm <sup>3</sup>
<b>Evaporation rate</b>	Not applicable
<b>Solubility in water</b>	Insoluble
<b>Partition coefficient (n-octanol/water)</b>	Not determined
<b>Organic solvents contents</b>	0.0 %
<b>Solids content</b>	100.0 %

## SECTION 10

### Stability and Reactivity

#### 10.1 Chemical stability

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

- No decomposition if used according to specifications.
- Secondary operations, such as grinding, sanding, or sawing can produce dust which may present an explosion or respiratory hazard.
- Avoid accumulation and dispersion of dust. High dust concentrations have a potential for combustion or explosion.

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**10.2 Possibility of hazardous reactions:** Reacts with strong acids and oxidizing agents.

**10.3 Conditions to avoid**

- Toxic fumes may be released if heated above the decomposition point.
- No special precautions are necessary if used as recommended.
- Grounding of equipment is recommended to avoid electrostatic charge

**10.4 Incompatible materials:** Strong acids and oxidizing agents.

**10.5 Hazardous decomposition products**

CO<sub>x</sub>, NO<sub>x</sub>, Hydrocarbons and some other gases/vapors

**10.6 Hazardous polymerization:** will not occur.

## SECTION 11

### Toxicological Information

**11.1 Information on toxicological effects-Acute toxicity**

Hazardous ingredients	Oral (rat) LD50 -	Dermal (rat) LD50 -	inhalationLC <sub>50</sub> (4 hr) mg/l
UBQ™ Tablets	Not established	Not established	Not established

**11.2 Primary irritant effect:**

**On the skin:** Based on available data, the classification criteria are not met.

**On the eye:** Based on available data, the classification criteria are not met.

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

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

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

**11.3 Additional toxicological information:** When used and handled according to specifications, the product does not have any harmful effects to met our knowledge.

**11.4 STOT:**

**single exposure:** Based on available data, the classification criteria are not met.

**repeated exposure:** Based on available data, the classification criteria are not.

**11.5 Chronic toxicity:**

**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.

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## 11.6 Notes

Carcinogenicity:

UBQ™ Tablets: No information

## SECTION 12

### Ecological Information

#### Toxicity 12.1

##### Hazardous ingredients

UBQ™ Tablets

Fish LC50 - mg/l

Not established

Daphnia LD50 - mg/kg

Not established

LC50 (4 h) mg/l

Not established

**12.2 Aquatic toxicity:** No relevant information available.

**12.3 Persistence and degradability:** No relevant information available.

**12.4 Bio-accumulative potential:** No relevant information available.

**12.5 Mobility in soil:** No relevant information available.

#### 12.6 Results of PBT and vPvB assessment

According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH): The product does not contain any substance fulfilling the PBT (persistent/bio accumulative/toxic) criteria or the vPvB (very persistent/very bio accumulative) criteria.

#### 12.7 Behavior in environmental systems:

**Additional information:** Do not allow product to reach ground/course water, or sewage system

**Bio accumulative potential:** Bioaccumulation is unlikely because of its high molecular weight

**Mobility in soil:** No relevant information available.

**Performance in ecological sub-system:** The master batch is regarded as biologically inert.

#### 12.8 General notes:

- Do not allow undiluted product or large quantities to reach ground water, water course or sewage system.
- The product may not be released into the environment without proper controls.

**12.9 Waste Code:** According to "European waste catalogue and hazards": 07 02 13. Waste plastic



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## SECTION 13

### Disposal Considerations

#### 13.1 Waste treatment methods

**Behavior in sewage processing plants:** The product can be mechanically separated.

**Recommendation:** Disposal must be made according to official regulations.

#### 13.2 Uncleaned packaging

**Recommendation:** Non-contaminated packaging may be recycled.

## SECTION 14

### Transport Information

#### 14.1 UN-Number

- ADR, IMDG, IATA: Not classified as a dangerous good

#### 14.2 UN proper shipping name

- ADR, IMDG, IATA: N/A

#### 14.3 Transport hazard class(es)

- ADR, IMDG, IATA: Class N/A

#### 14.4 Packing group

- ADR, IMDG, IATA: N/A

**14.5 Environmental hazards:** Not applicable.

**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.

**14.8 UN "Model Regulation":** N/A

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## 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 •

Based on a leachate analysis of UBQ Tablets, (tested using TCLP method SW846 1311 and EN • 12457), and a screen for inorganic, volatile organic compounds, semi-volatile organic compounds, herbicides, and pesticides, the substance is not a hazardous substance or mixture according to

. Regulation (EC) No 1272/2008

. PVC is not classified as a hazardous substance according to Regulation (EC) No 1272/2008 • Directive

2012/18/EU Named dangerous substances - ANNEX I •

. None of the ingredients are listed as dangerous substances •

. Substances of very high concern (SVHC) according to REACH Article 57: None •

**15.2 Chemical Safety Assessment:** A Chemical Safety Assessment based on components that may leach from UBQ Tablets has been carried out, and there is no indication of hazard

#### 15.3 Other regulations, limitations and prohibitive regulations:

TSCA-United States Toxic Substances Control Act Section 8(b) Inventory Not registerable

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances Not registerable

ENCS - Japan Existing and New Chemical Substances Not registerable

IECSC - China Inventory of Existing Chemical Substances Not registerable

KECL - Korean Existing and Evaluated Chemical Substances Not registerable

PICCS - Philippines Inventory of Chemicals and Chemical Substances Not registerable

Australian Inventory of Chemical Substances Not registerable

NZIoC - New Zealand Inventory of Chemicals Not registerable

TCSI - Taiwan Chemical Substance Inventory Not registerable

## SECTION 16

### Other Information

#### 16.1 Ingredients Hazards:

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.

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**16.2 :** Version 1: Initial issue 15/06/2020  
Version 1.1 First changes not requiring update and re-issue to former recipients

## 16.3 Abbreviations and acronyms

<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists
<b>OSHA</b>	Occupational Safety and Health Administration (US)
<b>NIOSH</b>	The National Institute for Occupational Safety and Health (US)
<b>ADR</b>	The European Agreement Concerning the International Carriage of Dangerous Goods by Road
<b>DOT</b>	Department of Transportation (US)
<b>EPA</b>	Environmental Protection Agency (US)
<b>TESCA</b>	Toxic Substance Control Act (US)
<b>RID</b>	International Rule for Transport of Dangerous Substances by Railway
<b>IMDG</b>	International Maritime Code for Dangerous Goods
<b>IATA</b>	International Air Transport Association
<b>ICAO</b>	International Civil Aviation Organization
<b>GHS</b>	Globally Harmonized System
<b>EINECS</b>	European Inventory of Existing Commercial Chemical Substances
<b>CAS</b>	Chemical Abstracts Service (division of the American Chemical Society)
<b>LC<sub>50</sub></b>	Lethal concentration, 50 percent
<b>LD<sub>50</sub></b>	Lethal dose, 50 percent
<b>TWA</b>	Time Weighted Average
<b>MARPOL</b>	International convention for the prevention of pollution from ships
<b>PBT</b>	Persistent, Bio accumulative, Toxic
<b>vPvB</b>	very Persistent and very Bio accumulative
<b>SVHC</b>	Substances of Very High Concern

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