

## MATERIAL SAFETY DATA SHEET

**PRODUCT : WHITE 1331**

### 1 .Identification of the substance/preparation and of the company /undertaking

- **Trade name**  
KRITILEN WHITE 1331
- **Application of the substance /preparation**  
Plastics
- **Type of product**  
See PDS for more detailed information
- **Company identification**  
See at the end of the page
- **Emergency phone number /Contact person**  
+30 2810 308500

### 2. Hazards identification

- **Hazard description**  
According to the present stage of knowledge provided this product is handled correctly, there is no danger to humans or the environment.

### 2. Composition /Information of ingredients

- **Description**  
PE masterbatch
- **Main components**  
Polyethylene, titanium dioxide, calcium carbonate.
- **Dangerous components**  
None to our knowledge



CERTIFIED QUALITY SYSTEM  
EAOT EN ISO 9001:2000/ISO 9001:2000  
No. 02.14.02/051.02

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#### 4. First –aid measures

- **Skin contact**

Wash with water and soap and rinse thoroughly. Exposure to splashing of hot product treat the affected part with cold water (by spraying or immersion)-no attempt should be made to detach molten product adhering to the skin or to remove clothing attached with molten material

- **Eye contact**

Rinse opened eye for several minutes under running water. Exposure to splashing of hot product treat the eyes with cold water –seek medical advice

- **Inhalation**

In case of exposure to fumes or vapors produced by heated or burned product move the effected person to fresh air .Seek medical advise if the person continues to feel unwell.

- **Ingestion**

In case of swallowing seek medical treatment and show safety data sheet

#### 5. Fire - fighting measures

- **Technical measures**

Stop the fire spreading, call the fire brigade and evacuate non essential personnel

- **Suitable extinguishing media**

CO<sub>2</sub>, powder , water spray or foam( for larger fires). Use water spray (mist) to cool the surfaces exposed to fire. Don't use water jets in the early stages of extinguishing to avoid spreading the flames.

- **Special hazards caused by the substance ,its products of combustion or resulting gases**

In case of fire the following can be released: carbon monoxide or dioxide, soot and cracked products: aldehydes, ketones , hydrocarbons and volatile fatty acids

- **Protective equipment**

Wear self –contained respiratory device in case of risk of exposure to vapor or fumes

#### 6. Accidental release measures

See also chapters 8 & 13

- **Measures for personal protection**

Granules spilled on the floor can cause a risk of slipping on smooth surfaces

- **Measures for environmental protection**

Do not allow to enter sewers/surface or ground water. If the material has been discharged, inform the authorities of the possible present of floating material and clean up the water surface by creaming off debris from the top.

- **Measures for cleaning up**

Recover the spilled product by sweeping/avoid dust formation .Dispose the product safely in accordance with local or national regulations.

#### 7. Handling and storage

- **Storage**

Store in roofed ,dry ,well ventilated places at room temperature and at atmospheric pressure in original unopened packaging (plastic), or in silo made of appropriate material (aluminium stainless steel). Avoid dust accumulation by use of filters in pneumatic transport equipment.Thoroughly ventilate the working space . Use explosion proof electrical equipment.All conductive materials must be electrically earthed. In case of pneumatic alimentation ,feed the extruders by aspiration ,use nitrogen as carrier gas.Avoid static electricity build up with connection to earth. Store away from heating sources.

- **Handling**

See also chapter 8 .

## 8. Exposure controls and personal protection

- **Personal protection**

- **General protective and hygienic measures**

- Keep away from foodstuffs and beverages. Follow good industrial hygiene practice. Wash hands and face

- **Respiratory protection**

- In the current form, the product doesn't contain any respirable dust. In case of risk of overexposure to dust, vapor or fumes (during product processing) it is recommended that a local exhaust system is placed above the conversion equipment (a fume hood) and working place must be ventilated.

- **Hand protection**

- Wear heat insulating and chemical proof gloves if contact with hot material is possible.

- **Eye protection**

- Wear tightly sealed goggles

- **Other personal protection**

- Handle in accordance with good industrial hygiene and safety practice. Wear safety non slip shoes in areas where spills or leaks can occur.

## 9. Physical and chemical properties

- **Appearance**

- Pellets

- **Color/Odour**

- White/ Odorless

- **Melting point/range ( °C)**

- 90-160

- **Boiling point/ range**

- Not applicable

- **Density ( at 20 °C, kg/m<sup>3</sup>)**

- **Flash point**

- Not applicable

- **Auto ignition temperature**

- Product is not selfigniting

- **Danger of explosion**

- The product doesn't present an explosion hazard

- **Solubility in water**

- The product is insoluble.

## 10. Stability and reactivity

The product is stable under normal conditions of storage and use

- **Conditions to avoid**

- Avoid contact with strong oxidizing materials .Avoid proximity or contact with flames or sparks. Don't heat to temperatures >300 C

- **Hazardous decomposition products**

- See chapter 5

## 11. Toxicological information

- **Primary irritant effect**  
**On the skin** : no irritant effect  
**On the eyes** : no irritant effect
- **Inhalation**  
If the product is heated to more than 200° C , vapors or fumes may form, which can irritate the respiratory track .Dust may irritate the respiratory system as well.
- **Acute oral toxicity LD 50 mg/kg (rat )**  
No information available

## 12. Ecological information

- **Information about elimination (persistence and degradability)**  
The product is insoluble in water. May be separated mechanically in purification plants
- **Ecotoxicity**  
The masterbatch is not bio-accessible
- **Aquatic toxicity**  
No data can be given, due to the product's insolubility to water.

## 13. Disposal considerations

Must be disposed according to local regulations  
Non contaminated packaging may be recycled. Packaging that may not be clean are to be disposed of in the same manner as the product.

## 14. Transport information

Land transport ADR/RID : Not restricted  
Maritime transport IMDG : Not restricted  
Air transport ICAO /IATA : Not restricted

## 15. Regulatory information

The product is not subject to identification regulations under EU Directive 67/548/EEC Annex 6 , No 9.3 . The product in the form in which it is marketed doesn't present any health hazard if inhaled taken in or in contact with the skin.

### **Chemical Safety Assessment**

No CSA is yet available for the ingredients of the preparation

## 16. Other information

This Data Sheet is in accordance with:

- 1907/2006 EC
- 1999/45 EC
- 67/548 EC

Revised :8 /1/2010

**IMPORTANT:**

The information in this Data Sheet applies only to the products designated herein and produced or supplied by us. It is based on our experience and on the data available to us at the time of its issue and is accurate to the best of our knowledge. The customer is strongly advised to observe and ensure that its employees and customers observe all directions contained herein.

However, no warranty is made or implied that the information is accurate or complete and no liability will be accepted whatsoever arising out of the use of the information or the products designated herein. Where third party products are used in conjunction with or instead of products produced or supplied customers should themselves obtain all necessary technical, health and safety information about such products from the third party.

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