

## Material Safety Data Sheet

According to EC Regulation 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

Date of issue : 07.09.2011 – Version : EU\_EN/2 – Print date : February 2014

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### Product Identifier

Trade name : **Red Basic**  
 Relevant identified uses of the substance  
 or mixture and uses advised against : colouring agent  
 Uses advised against : not known  
 Details of the supplier of the safety  
 data sheet  
 Supplier: TKB Trading, LLC.

### 2. HAZARD IDENTIFICATION

#### Classification of the substance or mixture

According to Regulation (EC) No.  
 1272/2008(CLP) : not classified  
 According to Directive 67/548/EEC &  
 Directive 1999/45/EC : not classified  
 Additional information : not available

#### Label elements

GHS label elements : not applicable  
 Hazard pictogram(s) : not applicable  
 Signal word(s) : not applicable  
 Hazard statement(s) : not applicable  
 Precautionary statement(s) : not applicable  
 Other hazards : not known

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical family: mica – iron oxide. Contains no hazardous ingredients

| Common chemical name | CAS No.    | EINECS No. | Colour Index | Chemical composition | Hazard classification<br>According to directive<br>67/548/EEC & Directive<br>1999/45/EC, Regulation (EC)<br>No. 1272/2008(CLP) |
|----------------------|------------|------------|--------------|----------------------|--|
| Mica                 | 12001-26-2 | 310-127-6  | 77019        | 50-54                | Not classified   |
| Iron oxide           | 1309-37-1  | 215-168-2  | 77491        | 46-50                | Not classified   |

#### 4. FIRST AID MEASURES

##### Description of first aid measures

|   |   |
|---|---|
| Inhalation: in case of accident by inhalation | : remove causality to fresh air and keep at rest  |
| Skin contact                                  | : wash affected skin with plenty of water   |
| Eye contact                                   | : if contact with eyes directly, flush with gently flowing fresh water thoroughly; If eye irritation persists, get medical advice/attention |
| Ingestion                                     | : if ingested, wash out mouth with water, drink milk or egg white   |
| Notes to physician                            | : no special measures are required  |

##### Most important systems and effects,

|                        |  |
|------------------------|--|
| Both acute and delayed |  |
| Actue                  | : none   |
| Long term (repeated)   | : may cause irritation to the respiratory system. Cough. Increased difficulty in breathing |

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

|             |   |
|-------------|---|
| Recommended | :a. Chest XRay<br>b. Lung functionality tests |
|-------------|---|

#### 5. FIREFIGHTING MEASURES

##### Extinguishing media

|                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | : extinguish with waterspray, foam or dry chemical |
| Unsuitable extinguishing media | : carbon dioxide                                   |

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

|                         |   |
|-------------------------|---|
| Thermal hazards         | : noncombustible. None anticipated  |
| Advice for firefighters | : fire fighters should wear complete protective clothing including self-contained breathing apparatus |

#### 6. ACCIDENTAL RELEASE MEASURES

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

|                               |   |
|-------------------------------|---|
| Personal precautions          | : do not breathe dust   |
| Personal protection equipment | : wear appropriate personal protective equipment, avoid direct contact  |
| In case of emergency          | : a self contained breathing apparatus and suitable protective clothing should be worn in fire conditions                             |
| Environmental precautions     | : do not allow to enter drains, sewers or watercourses  |
| Methods and material for      |   |
| Containment and cleaning up   | : collect mechanically and dispose of according to Section 13. Use vacuum equipment for collecting spilt materials, where practicable |
| Reference to other sections   | : see sections 8 and 13   |

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## 7. HANDLING AND STORAGE

Precautions for safe handling : avoid breathing dust

Conditions for safe storage

including any incompatibilities : keep container in a wellventilated place

Specific end use(s) : not known

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters : provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures

Exposure limit values : not known

### Exposure controls

Appropriate engineering controls : provide adequate ventilation to ensure that the occupational exposure limit is not exceeded. Isolate the dispersive process step away from other operations. This can be achieved by local exhaust ventilation or general ventilation

### Individual protections measures, such as personal protective equipment(PPE)

Hand/eye/face protection : wear gloves, eye protection and an approved dust mask if dust is generated during handling. Goggles giving complete protection to eyes. Dust mask covering nose and mouth

Skin protection : apron or other light protective clothing, boots and plastic or synthetic rubber gloves

Respiratory protection : dust mask covering nose and mouth

Thermal hazards : none

Environmental exposure controls : avoid dust generation. Avoid accumulation of dust

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : powder

Colour : Amaranth

Odour : odourless

pH : 6.0-9.0 (4% H<sub>2</sub>O)

Boiling point, ° C : not applicable

Melting point, ° C : decomposes

Freezing point, ° C : not applicable

Density : 3.0-3.1 kg/L

Bulk density : 22-26 g/100g

Vapour pressure : not applicable

Solubility (in water) : insoluble

Particle size : 10-60µm

## 10. STABILITY AND REACTIVITY

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Reactivity : there may be violent or incandescent reaction of the product with metals at high temperatures (e.g., aluminium; calcium; magnesium; potassium; sodium; zinc; lithium)

Chemical stability : stable under normal conditions

Possibility of hazardous reactions : none

Conditions to avoid : high temperature

Incompatible materials : strongly acidic, strongly alkaline, oxidizing agents

Decomposition products : no information available

## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects

This inorganic pigment in general is considered to be practically nontoxic.

Acute toxicity

Acute oral toxicity: D50 (oral, rat) : > 5.000 mg/kg

Acute inhalation toxicity : LC50 : < 15 mg/l air

Carcinogenicity : not available

Skin corrosion/irritation : may cause irritation

Skin sensitization : may cause sensitization

Eye damage/irritation : may cause irritation

Respiratory sensitization : may cause sensitization

Reproductive toxicity : no data

Carcinogenicity : no carcinogenic effects

Genotoxicity : no genotoxic effects

## 12. ECOLOGICAL INFORMATION

Toxicity : no data

Persistence and degradability : insoluble in water. This product is predicted not to degrade in soil and water

Bioaccumulative potentiall : no data

Mobility in soil : not applicable

Results of PBT and vPvB assessment : : not applicable

Other adverse effects : : not known

## 13. DISPOSAL CONSIDERATIONS

Waste treatment methods : dispose of contents in accordance with local, state or national legislation

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| 14. TRANSPORT INFORMATION |
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Not classed as dangerous for transport.

| International Transport Regulations                                     | ADR/RID        | ADN            | IMDG           | ICAO/IATA      |
|---|----------------|----------------|----------------|----------------|
| UN number   | Not applicable | Not applicable | Not applicable | Not applicable |
| Proper shipping name  | Not applicable | Not applicable | Not applicable | Not applicable |
| Transport hazard class(es)  | Not applicable | Not applicable | Not applicable | Not applicable |
| Packing group   | Not applicable | Not applicable | Not applicable | Not applicable |
| Environmental hazards   | None           | None           | None           | None           |
| Special precautions for user  | None           | None           | None           | None           |
| Transport in bulk according to Annex II of MARPOL73/78 and The IBC Code | Not applicable | Not applicable | Not applicable | Not applicable |
| Hazard label(s)   | Not applicable |                |                |                |

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| 15. REGULATORY INFORMATION |
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-Directive (67/548/EEC) Classification and labelling of substances and mixtures

-Directive (1999/45/EC) Dangerous substances and dangerous preparations

-Regulation (EC) No. 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency

Regulation (EC) No. 1272/2008 (CLP) of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC and amending Regulation (EC) No. 1907/2006

-Regulation (EU) No. 453/2010 of 20 May 2010 amending Regulation (EC) No. 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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| 16. OTHER INFORMATION |
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We have described our product concerning possible safety requirements by the above-mentioned information given to the best of our knowledge and experience. All data given are never meant to guarantee any quality description nor product properties.