1. Identification

Product identifier used on the label

**PETRA® 7010 BK5830**

**Recommended use of the chemical and restriction on use**

Recommended use*: Polymer; for industrial processing only

* The “Recommended use” identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller’s sales agreement.

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

Company: BASF CORPORATION
100 Park Avenue
Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

**Emergency telephone number**

CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP (4357)

**Other means of identification**

Chemical family: polyester resin
Synonyms: POLYESTER RESIN

2. Hazards Identification


**Classification of the product**

No need for classification according to GHS criteria for this product.

**Label elements**

The product does not require a hazard warning label in accordance with GHS criteria. The dangerous ingredients are fixed in a polymer matrix.
Hazards not otherwise classified

No specific dangers known, if the regulations/notes for storage and handling are considered.

Labeling of special preparations (GHS):
UNDER HOT MELT PROCESSING CONDITIONS, WEAR PERSONAL PROTECTIVE EQUIPMENT TO PREVENT THERMAL BURNS.

3. Composition / Information on Ingredients


<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Weight %</th>
<th>Chemical name</th>
</tr>
</thead>
<tbody>
<tr>
<td>25068-38-6</td>
<td>&gt;= 0.3 - &lt; 1.0%</td>
<td>bisphenol A-epichlorohydrin resin</td>
</tr>
<tr>
<td>25038-59-9</td>
<td>&gt;= 0.0 - &lt; 75.0%</td>
<td>Polyethyleneterephthalate (PET)</td>
</tr>
<tr>
<td>1333-86-4</td>
<td>&gt;= 1.0 - &lt; 3.0%</td>
<td>carbon black</td>
</tr>
</tbody>
</table>

4. First-Aid Measures

Description of first aid measures

General advice:
Remove contaminated clothing.

If inhaled:
Remove the affected individual into fresh air and keep the person calm. Assist in breathing if necessary. If adverse health effects develop seek medical attention.

If on skin:
Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.

If in eyes:
In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. If irritation develops, seek medical attention.

If swallowed:
Ingestion is not likely in the available physical form. If ingested, seek medical attention. Do not induce vomiting.

Most important symptoms and effects, both acute and delayed

Symptoms: No significant reaction of the human body to the product known.
Hazards: No hazard is expected under intended use and appropriate handling.

Indication of any immediate medical attention and special treatment needed

Note to physician
Treatment: Treat symptomatically.
5. Fire-Fighting Measures

**Extinguishing media**

Suitable extinguishing media:
water spray, dry powder, carbon dioxide, foam

**Special hazards arising from the substance or mixture**
Hazards during fire-fighting:
No particular hazards known.

**Advice for fire-fighters**
Protective equipment for fire-fighting:
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

**Further information:**
Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**
No special precautions necessary.

**Environmental precautions**
This product is not regulated by RCRA. This product is not regulated by CERCLA ('Superfund').

**Methods and material for containment and cleaning up**
Reclaim for processing if possible. Sweep/shovel up. Place into suitable containers for reuse or disposal in a licensed facility.

7. Handling and Storage

**Precautions for safe handling**
If used as intended, this product is not expected to present a physical or health hazard.

Protection against fire and explosion:
No explosion proofing necessary.

**Conditions for safe storage, including any incompatibilities**
Keep away from water.

Suitable materials for containers: Stainless steel 1.4301 (V2)

Further information on storage conditions: Keep container tightly closed. Avoid deposition of dust.

Storage class according to TRGS 510 (originally VCI, Germany): (4.1A) Flammables solids.

Storage stability:
Protect against moisture.

8. Exposure Controls/Personal Protection

**Components with occupational exposure limits**
carbon black OSHA PEL PEL 3.5 mg/m³; TWA value 3.5 mg/m³; 
ACGIH TLV TWA value 3 mg/m³ Inhalable fraction;

Glass, oxide, chemicals ACGIH TLV TWA value 5 mg/m³ Inhalable fraction; TWA value 1 fibers/cm³ Fiber; TWA value 0.2 fibers/cm³ Fiber;

Advice on system design:
Provide local exhaust ventilation to control dusts/vapours.

Personal protective equipment
Respiratory protection:
Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) particulate respirator.

Hand protection:
Wear gloves to prevent contact during mechanical processing and/or hot melt conditions.

Eye protection:
Tightly fitting safety goggles (chemical goggles).

Body protection:
Body protection must be chosen based on level of activity and exposure.

General safety and hygiene measures:
Wear protective clothing to prevent contact during mechanical processing and/or hot melt conditions. Avoid inhalation of dust. Wash soiled clothing immediately.

9. Physical and Chemical Properties

Form: pellets
Odour: odourless
Odour threshold: not applicable
Colour: various, depending on the colourant
pH value: not applicable
melting range: 220 - 225 °C
Boiling range: The substance / product decomposes therefore not determined.

Sublimation point: No applicable information available.
Flash point: > 400 °C (closed cup)
Flammability: not highly flammable
Flammability of Aerosol Products: not applicable, the product does not form flammable aerosoles
Lower explosion limit: No applicable information available.
Upper explosion limit: No applicable information available.
Autoignition: No data available.
Vapour pressure: not applicable
Density: 1.30 - 1.50 g/cm³ (20 °C)
Relative density: 1.05 - 1.25
Bulk density: 600 - 900 kg/m³
Vapour density: not applicable
Partitioning coefficient n-octanol/water (log Pow): not applicable
Self-ignition temperature: not self-igniting
Thermal decomposition: > 300 °C
May decompose if overheated and/or subjected to prolonged heating.
Viscosity, dynamic: not applicable, the product is a solid
Viscosity, kinematic: not applicable, the product is a solid
Solubility in water: insoluble
Solubility (quantitative): No applicable information available.
Solubility (qualitative): No applicable information available.
Evaporation rate: The product is a non-volatile solid.

10. Stability and Reactivity

Reactivity
No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals:
No corrosive effect on metal.

Chemical stability
The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions
The product is chemically stable.

Conditions to avoid
Avoid prolonged exposure to extreme heat.

Incompatible materials
strong oxidizing agents, acids, bases

Hazardous decomposition products
Decomposition products:
Possible thermal decomposition products:
hydrogen cyanide, carbon monoxide, ammonia

Thermal decomposition:
> 300 °C
May decompose if overheated and/or subjected to prolonged heating.

11. Toxicological information

Primary routes of exposure
Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

Acute toxicity
Assessment of acute toxicity: Contact with molten product may cause thermal burns. The resin in pelleted form poses a low hazard.

**Oral**
Type of value: ATE  
Value: > 5,000 mg/kg

**Inhalation**
Not inhalable due to the physico-chemical properties of the product.

**Dermal**
Type of value: ATE  
Value: > 5,000 mg/kg

**Assessment other acute effects**
No applicable information available.

**Irritation / corrosion**
Assessment of irritating effects: Irritation is possible when the product comes in contact with the skin, respiratory tract or the eyes.

**Sensitization**
Assessment of sensitization: No applicable information available.

**Chronic Toxicity/Effects**

**Repeated dose toxicity**
Assessment of repeated dose toxicity: Prolonged inhalation exposures may produce cough, phlegm, tiredness, chest pain and headache.

**Genetic toxicity**
Assessment of mutagenicity: No data available concerning mutagenic effects.

**Carcinogenicity**

*Information on: carbon black*
Assessment of carcinogenicity: IARC (International Agency for Research on Cancer) has classified this substance as group 2B (The agent is possibly carcinogenic to humans). In long-term animal studies in which the substance was given by inhalation in high concentrations, a carcinogenic effect was observed. A clear indication of an increased risk of cancer in humans has so far not been shown. No carcinogenic potential can be deduced from other studies with rats and mice.

**Reproductive toxicity**
Assessment of reproduction toxicity: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

**Other Information**
Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

**Symptoms of Exposure**
No significant reaction of the human body to the product known.

Medical conditions aggravated by overexposure
12. Ecological Information

Toxicity

Aquatic toxicity
Assessment of aquatic toxicity:
The product has not been tested. The statement has been derived from the structure of the product.
There is a high probability that the product is not acutely harmful to aquatic organisms.

Persistence and degradability

Assessment biodegradation and elimination (H2O)
Experience shows this product to be inert and non-degradable.

Elimination information

No data available.

Bioaccumulative potential

Assessment bioaccumulation potential
The product has not been tested.

Additional information

Add. remarks environm. fate & pathway:
At the present state of knowledge, no negative ecological effects are expected.

13. Disposal considerations

Waste disposal of substance:
Incinerate in a licensed facility. Do not discharge substance/product into sewer system.

Container disposal:
Dispose of in accordance with national, state and local regulations.

14. Transport Information

Land transport
USDOT
Not classified as a dangerous good under transport regulations

Sea transport
IMDG
Not classified as a dangerous good under transport regulations

Air transport
IATA/ICAO
15. Regulatory Information

Federal Regulations

Registration status:
Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Refer to SDS section 2 for GHS hazard classes applicable for this product.

State regulations

State RTK | CAS Number | Chemical name             |
----------|------------|---------------------------|
NJ        | 1333-86-4  | carbon black              |
          | 65997-17-3 | Glass, oxide, chemicals   |
PA        | 1333-86-4  | carbon black              |
          | 65997-17-3 | Glass, oxide, chemicals   |

Safe Drinking Water & Toxic Enforcement Act, CA Prop. 65:

WARNING: This product can expose you to chemicals including GLASS WOOL FIBERS (INHALABLE AND BIOPERSISTENT), which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

NFPA Hazard codes:
Health: 1 Fire: 1 Reactivity: 0 Special:

HMIS III rating
Health: 1 Flammability: 1 Physical hazard: 0

16. Other Information

SDS Prepared by:
BASF NA Product Regulations
SDS Prepared on: 2018/12/18

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