

# SAFETY DATA SHEET

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

This MSDS document complies with EU Commission Regulation No (EC) 1907/2006

### 1.1. PRODUCT IDENTIFIER

**Product Name:** Hubron Black Masterbatch PEB 2050

**Product Description:** Masterbatch based on Polyethylene containing Calcium Carbonate and carbon black pigment

### 1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

**Intended Use:** As a masterbatch component of polymeric products.

**Uses advised against:** None unless specified elsewhere in this MSDS.

### 1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

**Supplier:** Hubron (International) Ltd  
Albion Street  
Failsworth  
Manchester  
M35 0FP  
United Kingdom

### 1.4. CONTACT DETAILS

**Telephone Number:** +44 (0)161 681 2691

**Fax Number:** +44 (0)161 683 4658

## SECTION 2 HAZARDS IDENTIFICATION

### 2.1. CLASSIFICATION OF SUBSTANCE OR MIXTURE

PEB 2050 is classified as non-hazardous according to EC Regulation No 1272/2008

### 2.2. LABEL ELEMENTS

No Label elements required according to EC Regulation No 1272/2008

### 2.3. OTHER HAZARDS

**Physical / Chemical Hazards:**

WARNING: May form combustible dust concentrations in air (during processing/handling). Spilled pellets present a slipping hazard on hard surfaces. Contact with hot material can cause thermal burns which may result in permanent damage.

**Health Hazards:**

If dust is generated, it could scratch the eyes and cause minor irritation to the respiratory tract. When heated, the vapour/fumes given off may cause respiratory tract irritation.

**Environmental Hazards:**

No significant hazards.

**SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS**

**3.1. SUBSTANCES**

Not Applicable. This material is regulated as a mixture.

**3.2. MIXTURES**

This material is defined as a mixture and contains Polyethylene with a carbon black pigment.

<b>Component</b>	<b>CAS No</b>
Carbon Black	1333-86-4
Polyethylene	9002-88-4
Limestone	1317-65-3

**No Hazardous Substance(s) required for disclosure.**

**SECTION 4 FIRST AID MEASURES**

**4.1. DESCRIPTION OF FIRST AID MEASURES**

**Inhalation**

Unlikely at ambient temperatures

**Skin Contact**

Unlikely to cause any problems

**Eye Contact**

Flush thoroughly with water. If irritation occurs, get medical assistance.

**Ingestion**

No adverse effects due to ingestion are expected.

**4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED**

No important symptoms or effects.

**4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED**

The need to have special means for providing specific and immediate medical treatment available in the workplace is not expected.

**SECTION 5 FIRE FIGHTING MEASURES**

## 5.1. EXTINGUISHING MEDIA

**Suitable Extinguishing Media:** Water spray, foam, dry chemical or CO<sub>2</sub>.

**Unsuitable Extinguishing Media:** Straight streams of water

## 5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

**Hazardous Combustion Products:** Combustion of this material will generate toxic fumes, including carbon dioxide, carbon monoxide (in situations where oxygen starvation occurs) monomers, low molecular weight polymers and their oxidation products. Self-contained breathing apparatus must be used during fire fighting

## 5.3. ADVICE FOR FIRE FIGHTERS

**Fire Fighting Instructions:** Assure an extended cooling down period to prevent re-ignition. Evacuate area. Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply. Fire-fighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

## 5.4. FLAMMABILITY PROPERTIES

**Flash Point [Method]:** Not known

**Upper/Lower Flammable Limits (Approximate volume % in air):** UEL: No data available LEL: No data available.

**Autoignition Temperature:** Not known

## SECTION 6 ACCIDENTAL RELEASE MEASURES

### 6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

#### **Notification Procedures**

In the event of a spill or accidental release it is not necessary to notify relevant authorities (in accordance with all applicable regulations.)

#### **Protective Measures**

Not appropriate. This product is classified as non-hazardous.

### 6.2. ENVIRONMENTAL PRECAUTIONS

Not appropriate. This product is classified as non-hazardous.

### 6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

**Land Spill:** Spilled pellets present a slipping hazard on hard surfaces. Small Dry Spills: With clean shovel, place material into clean, dry container and cover loosely; move containers from spill area.

**Water Spill:** Stop leak if you can do so without risk. Confine the spill immediately with booms.

## SECTION 7 HANDLING AND STORAGE

## 7.1. PRECAUTIONS FOR SAFE HANDLING

Store under cool dry conditions and observe normal standards of industrial hygiene when handling pellets. Pallets should not be double stacked, unless the appropriate risk assessment has been undertaken and actions are in place for pedestrian clearance and spillage clear up in case the stack becomes unstable.

**Loading/Unloading Temperature:** [Ambient]  
**Transport Temperature:** [Ambient]  
**Transport Pressure:** [Ambient]  
**Static Accumulator:** This material is not a static accumulator.

## 7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

The container choice, for example storage vessel, may affect static accumulation and dissipation. Do not store in open or unlabelled containers.

**Storage Temperature:** [Ambient]  
**Storage Pressure:** [Ambient]  
**Suitable Containers/Packing:** Bulk Containers; Hopper Cars; Bags; Boxes; Drums; Octabins; Silos  
**Suitable Materials and Coatings (Chemical Compatibility):** Aluminium; Polyethylene Bags

## 7.3. SPECIFIC END USES:

Section 1 informs about identified end-uses. No industrial or sector specific guidance available.

## **SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

### 8.1. CONTROL PARAMETERS

#### **Exposure limits/standards for materials that can be formed when handling this product:**

This material is not normally associated with dust problems. For any dusty conditions, ACGIH recommends for insoluble and poorly soluble particles not otherwise specified an 8-hour TWA of 10 mg/m<sup>3</sup> (inhalable particles), 3 mg/m<sup>3</sup> (respirable particles).

Note: Information about recommended monitoring procedures can be obtained from the relevant agency(ies)/institute(s):

Example-UK Health and Safety Executive (HSE)

### 8.2. PERSONAL PROTECTION

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

**Respiratory Protection:** Not normally required.

**Hand Protection:** If product is hot, thermally protective, chemical resistant gloves are recommended. If contact with forearms is likely, wear gauntlet style gloves. CEN standards EN 420 and EN 374 provide general requirements and lists of glove types.

**Eye Protection:** Not normally required but advisable in workplace environments.

**Skin and Body Protection:** Not normally required but advisable in workplace environments.

**Specific Hygiene Measures:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.

### 8.3 ENVIRONMENTAL CONTROLS

Comply with applicable environmental regulations limiting discharge to air, water and oil. Protect the environment by applying appropriate control measures to prevent or limit emissions.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Note: Physical and chemical properties are provided for safety, health and environmental considerations only and may not fully represent product specifications. Contact the Supplier for additional information.

### 9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Solid
<b>Form:</b>	Pellets (3mm x 3mm)
<b>Colour:</b>	Black
<b>Odour:</b>	None to Mild
<b>Odour Threshold:</b>	Not known
<b>pH:</b>	Not known
<b>Melting Point:</b>	90°C - 120°C
<b>Freezing Point:</b>	No data available
<b>Initial Boiling Point / and Boiling Range:</b>	Not known
<b>Flash Point [Method]:</b>	Not known
<b>Evaporation Rate (n-butyl acetate = 1):</b>	Not known
<b>Flammability (Solid, Gas):</b>	Not known
<b>Upper/Lower Flammable Limits (Approximate volume % in air):</b>	UEL: No data available LEL: No data available
<b>Vapour Pressure:</b>	[Negligible] [test method unavailable]
<b>Vapour Density (Air = 1):</b>	Not known
<b>Specific Gravity:</b>	1.4 - 1.5
<b>Solubility(ies): water</b>	Insoluble.
<b>Partition coefficient (n-Octanol/Water Partition Coefficient):</b>	Not known
<b>Autoignition Temperature:</b>	Not known
<b>Decomposition Temperature:</b>	Material will rapidly decompose above 300°C
<b>Viscosity:</b>	Not known
<b>Explosive Properties:</b>	Not known.
<b>Oxidizing Properties:</b>	Not known.

## SECTION 10 STABILITY AND REACTIVITY

10.1. REACTIVITY: Not reactive under normal conditions.

- 10.2. **CHEMICAL STABILITY:** Material is stable under normal conditions
- 10.3. **POSSIBILITY OF HAZARDOUS REACTIONS:** Not reactive under normal conditions.
- 10.4. **CONDITIONS TO AVOID:** Avoid elevated temperatures for prolonged periods of time.
- 10.5. **INCOMPATIBLE MATERIALS:** Not known.
- 10.6. **HAZARDOUS DECOMPOSITION PRODUCTS:** Combustion of this material will generate toxic fumes, including carbon dioxide, carbon monoxide (in situations where oxygen starvation occurs) monomers, low molecular weight polymers and their oxidation products. Self-contained breathing apparatus must be used during firefighting.

**SECTION 11 TOXICOLOGICAL INFORMATION**

**11.1. INFORMATION ON TOXICOLOGICAL EFFECTS**

<b>Hazard Class</b>	<b>Conclusion / Remarks</b>
<b>Inhalation</b>	Minimally Toxic. Based on chemical structure (polymers).
<b>Irritation (skin)</b>	Negligible hazard at ambient/normal handling temperatures on skin.
<b>Irritation (eyes)</b>	Negligible hazard at ambient/normal handling temperatures of eyes.
<b>Ingestion</b>	Minimally Toxic. Based on chemical structure (polymers).
<b>Sensitisation</b>	Not expected to be a respiratory or skin sensitizer. Based on chemical structure (polymers).
<b>Germ Cell Mutagenicity</b>	Not expected to be a germ cell mutagen. Based on chemical structure (polymers).
<b>Carcinogenicity</b>	Not expected to cause cancer. Based on chemical structure (polymers).
<b>Reproductive Toxicity:</b>	Not expected to be a reproductive toxicant. Based on chemical structure (polymers).
<b>Lactation:</b>	Not expected to cause harm to breast-fed children.
<b>Specific Target Organ Toxicity (STOT)</b>	Single exposure- Not expected to cause organ damage. Repeated Exposure- Not expected to cause organ damage
<b>Aspiration</b>	Not expected to be an aspiration hazard Based on chemical structure (polymers).

**OTHER INFORMATION**

The material contains additives that are encapsulated in the polymer. Under the normal conditions for processing and use of this polymer the encapsulated additives are not expected to pose any health hazard. However, grinding of the polymer is not recommended without the use of appropriate measures to control exposure (see Section 8 - Engineering Controls).

**SECTION 12 ECOLOGICAL INFORMATION**

The information given is based on data available for the material, the components of the material, and similar materials.

**12.1. TOXICITY**

Material -- Not expected to be harmful to aquatic organisms.  
Material -- Not expected to be harmful to terrestrial organisms.

## **12.2. PERSISTENCE AND DEGRADABILITY**

### **Biodegradation:**

Material -- Expected to be persistent.

### **Hydrolysis:**

Material -- Transformation due to hydrolysis not expected to be significant.

### **Photolysis**

Material -- Transformation due to photolysis not expected to be significant.

### **Atmospheric Oxidation:**

Material -- Transformation due to atmospheric oxidation not expected to be significant.

## **12.3. BIOACCUMULATIVE POTENTIAL**

Material -- Potential to bioaccumulate is low.

## **12.4. MOBILITY IN SOIL**

Material -- Low solubility and floats and is expected to migrate from water to the land. Expected to partition to sediment and wastewater solids.

## **12.5. PERSISTENCE, BIOACCUMULATION AND TOXICITY FOR SUBSTANCE(S)**

This product is not, and does not contain, a substance that is toxic or bioaccumulative.

## **12.6. OTHER ADVERSE EFFECTS**

No adverse effects are expected.

## **SECTION 13**

## **DISPOSAL CONSIDERATIONS**

Disposal recommendations based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

### **13.1. WASTE TREATMENT METHODS**

Suitable routes of disposal are supervised incineration, preferentially with energy recovery, or appropriate recycling methods in accordance with applicable regulations and material characteristics at the time of disposal.

### **13.2. REGULATORY DISPOSAL INFORMATION**

Waste producers need to assess the actual process used when generating the waste and its contaminants in order to assign the proper EU waste disposal code(s).

## **SECTION 14**

## **TRANSPORT INFORMATION**

**UN NUMBER:** Not regulated - material is classified as non-hazardous.

**UN SHIPPING NAME:** HUBRON MASTERBATCH PEB 2050

**UN LAND TRANSPORT CLASSIFICATION (ADR/RID):** 14.1-14.6 Not Regulated for Land Transport

**UN INLAND WATERWAYS CLASSIFICATION (ADNR/ADN): 14.1-14.6** Not Regulated for Inland Waterways Transport

**UN SEA CLASSIFICATION (IMDG): 14.1-14.6** Not Regulated for Sea Transport according to IMDG-Code

**UN AIR CLASSIFICATION (IATA): 14.1-14.6** Not Regulated for Air Transport

**UN PACKING GROUP:** Not regulated -material is classified as non-hazardous.

**UN ENVIRONMENTAL HAZARD CODE (IMDG):** Not regulated -material is classified as non-hazardous.

**MARPOL ANNEX II 73/78 (MARINE POLLUTION REGULATIONS):** Not regulated - material is classified as non-hazardous

## SECTION 15

## REGULATORY INFORMATION

### REGULATORY STATUS AND APPLICABLE LAWS AND REGULATIONS

**Complies with the following national/regional chemical inventory requirements:** TSCA (Toxic substances control act)

#### 15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

Not regulated - material is classified as non-hazardous

#### 15.2. CHEMICAL SAFETY ASSESSMENT

**REACH Information:** A Chemical Safety Assessment has been carried out for this material and it has been classified as non-hazardous.

## SECTION 16

## OTHER INFORMATION

None