



November 7, 2019

## **PRODUCT INFORMATION**

Product: Color Masterbatch  
Product Catalog Number: **EH9201A**  
Color: Black MB

### **Product Properties:**

**Application:** **EH9201A** MB is suitable for coloring of molded and extruded articles made of Various Types of Polyolefin.  
Economical grade with high color strength equivalent to 40% SRF

**Carrier Resin:** The carrier resin is LDPE

**Master Batch Properties:**

Processing Temperature (max.):	300 °C
Light Fastness (DIN 53388):	8
Usage recommendation:	1.0%-5.0%
Carbon black (%):	20 ±3
Type of carbon black:	HAF
Filler:	Yes
Density:	1.45 ± 0.05 gr/cc
MFI (190°/10kg)	1-7 gr/10 min

### **Regulations**

The components of this MB comply with directive 2011/65/EU (RoHS).

This MB should not be used for food contact applications.

This MB **DOES NOT COMPLY WITH** FDA 21 CFR, BfR, AP (89) 1, Toys EN71-3(2002), EU 10/2011.

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### **Tosaf Compounds Ltd.**

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Tnuvot Industrial Zone P.O. Box 52, 4035001, Kfar Yona, Israel

www.tosaf.com

**Storage and Shelf life:**

This MB has an expected shelf life of 3 years if properly stored in cool and dry conditions.

**Remarks:**

The compliance of the components of the MB to the various food contact regulations should not be taken as a guarantee that the end product itself would comply with any of the regulations or that it would have no effect on the smell or taste of the food. It is the manufacturer of the end article who has to ensure by suitable practical migration trials that the limiting value is not exceeded. According to article 5, para. (2) b) of the Regulation (EU) No. 10/2011 pigments are excluded. They are subject to national legislation according to article 6, para. (2).

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# EH9201A

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
Date of issue: December 29, 2020 Version: 1.0

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Trade name : **EH9201A** -BLACK MB  
REACH : the product is a mixture under the definition of REACH/CLP

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified Uses: This MB is suitable for molded and extruded articles made of various types of Polyolefins.

#### 1.3. Details of the supplier of the safety data sheet

##### Manufacturer

Identification of the company: Tosaf Compounds Ltd.  
Address: Moshav Tnuvot, P.O.B. 52, Kfar Yona, 40300, Israel  
Phone No: +972-9-8984698/40  
Fax No: +972-9-8984643  
Email: [Tosafcom@tosaf.com](mailto:Tosafcom@tosaf.com)

#### 1.4. Emergency telephone number

Emergency telephone number: +972-9-8984640

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP] and amendments

This product is not classified as hazardous according to EC directives/ the relevant national laws.

#### 2.2. Label elements

##### Labeling according to Regulation (EC) No. 1272/2008 [CLP] and amendments

According to EC directives or the corresponding national regulations the product does not require a hazard warning label

#### 2.3. Other hazards

Information regarding PBT and vPvB in section 12.5.  
No additional hazards are known.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

##### Chemical characterization

Carbon Black, CAS No.: 1333-86-4, encapsulated in a polymer matrix

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### After inhalation

Move the affected person away from the contaminated area and into the fresh air. Drink water to clear throat and blow the nose in order to evacuate dust. If coughing and irritation develop, call a physician

##### After eye contact

Rinse eyes with water as a precaution, at least 15 minutes. See physician and /or get medical advice if irritation persists

##### After skin contact

If the molten polymer contacts skin, cool rapidly with cold water and obtain attention for removal of adhering material and treatment of the burn.

##### After ingestion

If swallowed accidentally, drink sufficient amounts of water and seek for medical attention.

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

##### Symptoms

No symptoms known currently.

##### Hazards

No hazards known at this time.

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

##### Treatment



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Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Water mist  
Foam  
Carbon Dioxide  
Dry agent

##### Unsuitable extinguishing media

Water jet

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

##### Thermal decomposition products

Not combustible. No hazardous thermal decomposition

#### 5.3. Advice for firefighters

Self-contained breathing apparatus and protective clothing are essential in the event of fire.

### SECTION 6: Accidental release measures

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

Wear suitable personal protective equipment

#### 6.2. Environmental precautions

Do not allow to enter drains or water courses.

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

Take care when running on spilled material. Collect solid and place in a suitable labeled container for disposal.  
Consult specialists when disposing regained material. Pay attention to the local and state laws.  
Covering of drains - take up mechanically

#### 6.4. Reference to other sections

Information regarding Safe handling see chapter 7.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### Advice on safe handling

Open and handle bag with care. Molten product can cause burns. Molten product handle with care. In cleaning machinery parts by burning, local fume extraction is required.

##### Hygiene measures

When using the material, do not eat, drink or smoke. Wash hands and face when works ends or in breaks

##### Advice on protection against fire and explosion

Keep away from heat, sparks and open flame

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

##### Requirements for storage areas and containers

Protect bags and containers from damage

##### Advice on storage compatibility

Do not store with acids

##### Further information on storage conditions

Keep container/bag tightly closed in a cool, well-ventilated place

#### 7.3. Specific end use(s)

If you require advice on specific uses, please contact your supplier.



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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

EINECS No	Chemical name	Description	Value	Unit
-	-	-	-	-

The information above is with reference to the pure component. In reality, the mentioned component is encapsulated in the polymer matrix.

#### 8.2. Exposure controls

##### Engineering measures:

Utilize a close system process where feasible. Where this material is not used in a close system, good enclosure and local exhaust ventilation should be provided.

##### Respiration protection:

Where exposures are below the established exposure limit, no respiratory protection is required. Where exposures exceed the established exposure limit use respiratory protection recommended for the material and level of exposure.

##### Eye protection

Prevent eye and skin contact. Provide eye wash fountain and safety shower in close proximity to points of potential exposure. Wear eye/face protection such as chemical splash proof goggles or face shield.

##### Skin protection:

Prevent contamination of skin or clothing when removing protective equipment. Wear impermeable gloves and suitable protective clothing.

##### Personal protective equipment:

Gloves. Protective goggles. Protective clothing.

##### Personal protective equipment symbol(s):



### SECTION 9: Physical and chemical properties

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

Physical form	: Solid pallets
Color	: Black.
Odor at 20°C	: Not applicable
Odor threshold	: Not applicable.
pH value	: Not tested
Melting point	: 80-120 °C
Freezing point	: Not tested
Initial boiling point and boiling range	: Not applicable
Flash point	: No data available
Flammability	
Lower flammability limit	: Not tested
Upper flammability limit	: Not tested
Vapor pressure	: Not tested
Density at 20° C	: No data available
Bulk Density	: No data available
Vapor density relative to air	: Not tested
Solubility in water	: Insoluble
Partition coefficient: n-octanol/water	: Not tested
Auto ignition temperature	: Not tested
Thermal Decomposition	: Approx. 300 °C
Viscosity	: Not tested
Explosive properties	: Not applicable
Oxidizing properties	: Not applicable
Initial softening point and softening range	: 70-80 °C



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### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

unknown

### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

None under normal conditions

### 10.4. Conditions to avoid

Temperature over 300 °C (can start a thermal decomposition)

### 10.5. Incompatible materials

None known

### 10.6. Hazardous decomposition products

When handled and stored appropriately, no dangerous decomposition products are known.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### 11.1.1 Information related to the product itself:

Acute oral toxicity	: No data available
Acute dermal toxicity	: No data available
Acute inhalation toxicity	: No data available
Irritant effect on skin	: No data available
Irritant effect on eyes	: No data available
Sensitization	: No data available
Repeated dose toxicity	: No data available
Assessment of mutagenicity	: No data available
Assessment of Carcinogenicity	: No data available
Assessment of toxicity to Reproductive	: No data available
Specific Target Organ Toxicity (STOT)-single exposure	: No data available
Specific Target Organ Toxicity (STOT)-repeated exposure:	No data available

#### 11.1.2 Information related to the component:

Acute oral toxicity	: No data available
Acute dermal toxicity	: No data available
Acute inhalation toxicity	: No data available
Irritant effect on skin	: No data available
Irritant effect on eyes	: No data available
Sensitization	: No data available
Repeated dose toxicity	: No data available
Assessment of mutagenicity	: No data available
Assessment of Carcinogenicity	: No data available
Assessment of toxicity to Reproductive	: No data available
Specific Target Organ Toxicity (STOT)-single exposure	: No data available
Specific Target Organ Toxicity (STOT)-repeated exposure:	No data available



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### SECTION 12: Ecological information

#### 12.1. Toxicity

##### 12.1.1 Information related to the product itself:

Fish toxicity	: No data available
Daphnia toxicity	: No data available
Algae toxicity	: No data available
Bacteria toxicity	: No data available

##### 12.1.2 Information related to the component:

Fish toxicity	: No data available
Daphnia toxicity	: No data available
Algae toxicity	: No data available
Bacteria toxicity	: No data available

#### 12.2. Persistence and degradability

##### 12.2.1 Information related to the product itself:

Biodegradability:	: No data available
Chemical oxygen demand (COD)	: No data available

##### 12.2.2 Information related to the component:

Biodegradability:	: No data available
Chemical oxygen demand (COD)	: No data available

#### 12.3. Bioaccumulative potential

##### 12.3.1 Information related to the product itself:

Bioaccumulation:	: No data available
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##### 12.3.2 Information related to the component:

Bioaccumulation:	: No data available
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#### 12.4. Mobility in soil

##### 12.4.1 Information related to the product itself:

Transport and distribution between environmental compartments:	Not tested
Behavior in environmental compartments	: No data available

##### 12.4.2 Information related to the component:

Transport and distribution between environmental compartments:	Not tested
Behavior in environmental compartments	: No data available

#### 12.5. Results of PBT and vPvB assessment

According to Annex XII of Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) The product does not contain a substance fulfilling the PBT (Persistent/Bioaccumulative/Toxic) criteria or the vPvB (very Persistent / very Bioaccumulative) criteria.

#### 12.6. Other adverse effects

No specific adverse effects known

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### product

Collect solid pellets and place in a suitable labeled container for disposal. Dispose of waste in an approved chemical landfill or chemical incinerator In accordance with local, state and European law. Contact the proper local authorities.



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### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

#### 14.1 UN Number

Not relevant

#### 14.2 UN proper shipping name

Pigment Related Material

#### 14.3 Transport hazard classes

ADR/RID: Not classified as dangerous in the meaning of road transport regulations

IMDG: Not classified as dangerous in the meaning of sea transport regulations

ICAO: Not classified as dangerous in the meaning of air transport regulations

#### 14.4 Packing group

Not required

#### 14.5 Environmental hazards

This product is a non-hazardous material

#### 14.6 Special precautions for user

See sections 6 to 8 of this Safety Data Sheet

#### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code (International Bulk Chemicals Code)

No transport as bulk according to IBC-Code

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### Relevant provisions of the European Union (EU)

-Restrictions according to Reach, Annex XVII:

None of the ingredients are listed.

-List of substances subject to authorization (Reach, Annex XIV)/ SVHC - candidate list:

None of the ingredients are listed.

#### 15.2. Chemical safety assessment

No Chemical Safety Assessment (CSA) is yet available for the masterbatch.

### SECTION 16: Other information

Observe national and local legal requirements

#### Text of the R-phrases assigned to the ingredients/components mentioned in section 3:

None

#### List of the text of the hazard statements mentioned section 3 (H-phrases):

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