SAFETY DATA SHEET

1. Identification of the substance and of the supplier

Product identifiers

Product name: Black MB

Product code: MEBK44

Relevant identified uses of the substance or mixture and uses advised against

Identified uses: For general plastic industries. Keep away from flame.

Details of the supplier of the safety data sheet

2. Hazards Identification

Classification of the substance or mixture

Skin Corrosion/Irritation:	Category 3
Serious Eye Damage/Irritation:	Category 2B
Carcinogenicity:	Category 2
Specific Target Organ Toxicity (respiratory irritation):	Category 3
Specific Target Organ Toxicity (repeated exposure):	Category 2

Label elements

Pictogram

Signal word Warning

Hazard statement(s)

Causes eye and skin irritation. May cause cancer (inhalation). May cause irritation to respiratory or drowsiness or dizziness.Repeated and prolonged contact may cause damage to respiratory system and lung. Acute hazard and long-term toxic to the aquatic environment

Precautionary statement(s)

Wear protective gloves eye and respiratory protection.
After washing the skin and eyes.
If on skin, wash with plenty of soap and water.
Do not breathe dust, vapor, aerosols floating liquefied gases and fumes.
If having skin and eye irritation, get medical advice/attention.
If inhaled, remove person to fresh air and keep comfortable for breathing.
Avoid release to the environment.
Storage spilled

Hazards not otherwise classified

None

3. Composition/ Information on Ingredients

No.	Ingredient	CAS No.	Content (%)
1	Resin	9002-88-4	40-50
2	Carbon Black	1333-86-4	30-40
3	Calcium Carbonate	1317-65-3	30-40

4. First Aid Measures

Description of first aid measures:

Inhalation Move to fresh air. If breathing is difficult, give oxygen. Get medical attention immediately if symptoms occur.

Skin contact Wash with plenty of soap and water.

Eye contact Immediately flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. Get medical attention.

Ingestion Rinse mouth.

Most important symptoms and effects, both acute and delayed:

Skin, eye and respiratory irritation

Indication of any immediate medical attention and special treatment needed:

Treat symptomatically

5. Fire Fighting Measures

Extinguishing media

Suitable extinguishing media:

In case of fire: Use a fire fighting agent suitable for ordinary combustible material to extinguish.

Unsuitable extinguishing media:

Do not use a heavy water stream.

Special hazards arising from the substance or mixture

Carbon Monoxide and Carbon Dioxide

Special protective equipment and precautions for fire-fighters

Wear self-contained breathing apparatus, SCBA, and full protective gear.

6. Accidental Release Measure

Personal precautions, protective equipment and emergency procedures

Beware of slipping hazard. Use personal protective equipment: Mask, safety shoes and gloves.

Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods and materials for containment and cleaning up

Wear gloves and safety shoes. Sweep up spillage and collect in a sealed container for disposal.

7. Handling and Storage

Precautions for safe handling

Avoid dust formation. Use only in a well-ventilated area. Wear goggles, mask and gloves to avoid contact witheyes, respiratory and skin.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed and away fromheat, sparks and incompatible materials. Store in cool, dry and well-ventilation place. Protect from sunlight.

8. Exposure Controls/ Personal Protection

Control parameters

Components	CAS No.	OSH (PEL)	NIOSH (REL)	ACGIH (TLV)
Carbon Black	1333-86-4	TWA 3.5 mg/m3	TWA 3.5 mg/m3	TWA 3.5 mg/m3
Calcium Carbonate	1317-65-3	TWA 15 mg/m3	TWA 10 mg/m3	TWA 10 mg/m3

Appropriate engineering controls

Use general dilution ventilation and/ or local exhaust ventilation to control airborne exposures to below relevant exposure limits.

Personal protective equipment

Respiratory protection	Dust mask
Eye protection	Chemical goggles or safety glasses
Hand Protection	Protective gloves
Skin protection	Wear suitable protective clothing.

Work/ Hygienic Practices:

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. Do not eat, drink or smoke during use.

9. Physical and Chemical Properties

a) Appearance	Solid
b) Odour	Specific odour
c) Odour Threshold	Not Applicable
d) pH	Not Applicable
e) Melting point/freezing point	No data available
f) Initial boiling point and boiling range	Not Applicable
g) Flash point	No data available
h) Evaporation rate	Not Applicable
i) Flammability (solid, gas)	No data available
j) Upper/lower flammability or explosive limits	No data available
k) Vapour pressure	No data available
l) Vapour density	No data available
m) Relative density	1.20
n) Water solubility	Not soluble
o) Partition coefficient: noctanol/ water log Pow	No data available
p) Auto ignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	Not Applicable

10. Stability and Reactivity

Reactivity No data available

Chemical stability Stable under recommended storage conditions.

Possibility of hazardous reactions May occur polymerization**.**

Conditions to avoid Heat/ flame/ spark/ moisture/ sunlight

Incompatible materials Acids,Florien and Strong Oxide Agent

Hazardous decomposition products Calcium Oxide

11. Toxicological Information

Information on the likely routes of exposure

Inhalation: Slightly cause nose and throat irritation.
Skin contact: Slightly cause skin irritation.
Eye contact: Slightly cause eyes irritation.
Ingestion: Cause stomach irritation.

Symptoms related to the physical, chemical and toxicological characteristics;

May cause redness eye and rash skin

Delayed and immediate effects and also chronic effects from short and long term exposure;

Immediate effects: Irritation to respiratory, skin and eye

Chronic effects: Respiratory effect

Numerical measures of toxicity

Acute toxicity estimate	No Classified Carbon Black LD50 Rat Oral >8000 mg/kg Resin LD50 Rat Oral >2000 mg/kg
Skin corrosion / irritation	Cause slightly skin irritation.
Serious eye damage/eye irritation	Cause slightly eyes irritation.
Respiratory or skin sensitization	No components expected to cause respiratory or skin sensitization.
Germ cell mutagenicity	No components expected to cause mutagenic effect.
Carcinogenicity	May cause cancer.
Reproductive toxicity	No components expected to cause reproductive effect.
Specific target organ toxicity - single exposure	May cause irritation to respiratory or drowsiness or dizziness.
Specific target organ toxicity - repeated exposure	May cause damage to respiratory system and lung.
Aspiration hazard	No data available

12. Ecological Information

Eco toxicity

Acute aquatic toxicity

Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available

Other adverse effects

Environmental effects	Accumulation in soil and water

13. Disposal Considerations

Waste treatment methods: Dispose in a safe manner in accordance with local/national regulations.

Contaminated packaging: Dispose in a safe manner in accordance with local/national regulations.

14. Transport Information

UN number: No data available

UN proper shipping name: No data available

Transport hazard class (es): No data available

Packaging group: No data available

Environmental hazards: No data available

Transport in bulk: No data available

Special precautions for user: No data available

15. Regulatory Information

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

None of ingredients is listed in Notification of the Ministry of Industry on Hazardous Substance List 2556 (5.1).

Chemical Safety Assessment

None of ingredients is listed in Notification of Department of Labour Protection and Welfare on Hazardous Substance List 2556.

16. Other Information

Created: June 13, 2016

Sources:

1. International Programme on Chemical Safety (IPCS): Chemical Safety Information from Intergovernmental Organizations (INCHEM)
   http://www.inchem.org/

2. Hazardous Substances Data Bank (HSDB)
   https://www.toxnet.nlm.nih.gov/

3. Chemical Classification and Information Database (CCID)
   http://www.epa.govt.nz/Pages/default.aspx

4. Occupational Safety & Health Administration (OSHA)
   http://www.osha.gov/dts/chemicalsampling/toc/chmcas.html

5. National Instltute of technology and Evaluation (NITE)
   http://www.safe.nite.go.jp/english/ghs/all_fy_e.html