

Date: May 29, 2019

Former date: February 27, 2019

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier**

Trade name

FMB-6008R

Company product code

-

Reach registration number

-

1.2 Relevant identified uses of the substance or mixture and uses advised against**The uses of the material:**

Flame Retardant masterbatch for Electricall insulation

This compound is meant for Professional/Commercial use only. It is not intended for General Public use.

1.3 Details of the supplier of the safety data sheet**Manufacturer, importer, other undertaking**

Electric Cable Compounds, Inc.

Street address

108 Rado Drive

Postcode and post office

Naugatuck CT 06770 USA

Telephone number

+1 203 723 2590

Telefax

+1 203 723 2528

E-mail address

customerservice@eccompounds.com

1.4 Emergency telephone number

1-203-742-1543

SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture****Hazard Class:**

Carcinogenicity 2, H351

Mutagenic 2 – H341

Reproductive Toxicity 1B – H360FD

STOT RE 1 – H372

2.2 Label elements**Signal word:** Warning**Hazard statements**

H320

Dust may cause mechanical irritation to the eyes or skin.

H351	Contains an ingredient suspected of causing cancer.
H341	Contains an ingredient suspected of causing genetic defects.
H360FD	Contains an ingredient that may cause damage to fertility or the unborn child.
H372	Causes damage through prolonged or repeated exposure

Precautionary statements

P260	Do not breathe dust/fume/vapors.
P314	Get medical advice/attention if you feel unwell.
P391	Collect spillage.
P501	Dispose of contents/container in accordance with local regulations.

2.3 Other hazards

Fumes from heating may irritate the respiratory system.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**Hazardous ingredients**

CAS/EC number and the registration number	Name of the ingredient	Concentration	Classification
CAS 1309-64-4	Antimony trioxide	30 – 35%	Carcinogenicity 2, H351
CAS 77-58-7	Dibutyltin dilaurate	0.20 – 0.25%	Mutagenic 2 H341 Reproductive Toxicity H360 STOT Re H370

This product is a polymer based mixture containing non-hazardous ingredients as well as the items shown above. The actual hazards presented by this product are expected to be less than those of the listed ingredients, because they are now contained in a polymer matrix, which significantly reduces exposure.

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures**

General: In case of accident or if you feel unwell, seek medical advice immediately (show this safety data sheet where possible).

Inhalation: Move the exposed person into fresh air, if abundant amount of vapors have been inhaled from the product during heating. Rinse mouth, nose and throat with water.

Skin contact: Wash the affected skin with water. If skin irritation persists or dermatitis develops, contact a doctor. If molten material gets on skin, cool rapidly with cold water. Do not attempt to remove material from skin. Obtain medical treatment for thermal burn.

Eye contact: In case of contact with cool material, immediately flush eyes with plenty of water for at least 15 minutes. Get medical advice if eye irritation persists. If molten material gets into eyes, immediately flush eyes for at least 15 minutes with cool water. Do not allow victim to rub eyes. Get medical attention immediately.

Ingestion: If swallowed, do not induce vomiting. Drink plenty of water. Contact a doctor if large amounts have been ingested. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation: Avoid prolonged exposure to dust.

Skin contact: Prolonged exposure may cause slight irritation. Rubbing may cause mechanical irritation. The product is not likely to be hazardous by skin contact but cleansing the skin after use is advisable.

Eye contact: Dust may mechanically irritate eyes.

Ingestion: Symptoms or effects not known. This material is not believed to present a hazard if swallowed.

4.3 Indication of any immediate medical attention and special treatment needed

No special instructions. Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

- 5.1 Extinguishing media**
Use water, CO₂, foam, or dry chemicals. Do not use water jet as an extinguisher, as this may spread the fire.
- 5.2 Special hazards arising from the substance or mixture**
During fire smoke is formed. The smoke contains carbon, carbon oxides and other substances that may be hazardous to health. Products of decomposition may include compounds containing antimony.
- 5.3 Advice for firefighters**
Use appropriate protective equipment and a self-contained breathing apparatus. Extinguishing water run-off must not be allowed to enter drains, sewers or water courses.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures**
Use appropriate personal protection, see section 8.2. Ensure adequate ventilation. Remove all ignition sources. Keep unauthorized persons away from danger zone.
- 6.2 Environmental precautions**
Prevent entry into sewers, soil and waterways. If the product pollutes lakes, watercourses or drainage systems, inform the local authorities.
- 6.3 Methods and material for containment and cleaning up**
Collect by vacuuming or sweeping into suitable containers for reuse or dispose of in accordance with local regulations.
- 6.4 Reference to other sections**
Safe handling: see section 7.
Personal protection equipment: see section 8.2.
Disposal: see section 13.

SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling**
Do not breath fumes from hot product. Avoid contact with skin, eyes or clothes. Ensure adequate ventilation, use local exhaust ventilation for working of product. Ventilation must be effective enough to keep air concentration of fumes low. The product may become electrostatically charged e.g. when transferred from one container to another or during working. Prevent static electricity and formation of sparks (use earthing).
- 7.2 Conditions for safe storage, including any incompatibilities**
Storage in cool, dry and well ventilated area. Store away from open fire, hot surfaces, direct sunlight and ignition sources. Recommended storage temperature below 50 °C. Protect from light and humidity.
Incompatible materials: see section 10.5.
- 7.3 Specific end use(s)**
None reported.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

National occupational exposure limit values

<u>USA :</u>	Antimony compounds	0.05 mg/m ³ (OSHA)
	Dibutyltin dilaurate	0.10 mg/m ³ TWA

DNEL

Chemical safety assessment has not been performed.

PNEC

Chemical safety assessment has not been performed.

8.2 Exposure controls**Appropriate engineering controls**

Ensure adequate ventilation. Good general ventilation should be sufficient to control any air contaminants and dust below acceptable exposure limits. Contact the supplier of personal protection equipment for information on breakthrough times for gloves and clothes.

Eye/face protection

Use safety goggles in case of splash risk or formation of fumes.

Skin protection

Wear appropriate protective clothing. Remove contaminated clothing and wash before reuse.

Hand protection

Use appropriate chemical resistant gloves. Contact the glove supplier for advice on suitable protective gloves. When handling hot material, use heat resistant gloves.

Respiratory protection

Normally not needed. Respiratory protection must be used if air concentration exceeds acceptable level (filter type A/P2).

Thermal hazards

Molten material may cause thermal burns and may release harmful gases.

Environmental exposure controls

Prevent entry into environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Appearance	Solid cylindrical pellets
Odor	mild, sweet pungent odor
Odor threshold	unknown
pH	not applicable
Melting point/freezing point	unknown
Initial boiling point and boiling range	unknown
Flash point	not applicable
Evaporation rate	not applicable
Flammability (solid, gas)	unknown
Upper/lower flammability or explosive limits	unknown
Vapor pressure	not applicable
Vapor density	not applicable
Relative density	unknown
Solubility(ies)	insoluble in water
Partition coefficient: n-octanol/water	not applicable
Auto-ignition temperature	not applicable
Decomposition temperature	over 200 °C
Viscosity	not applicable
Explosive properties	not explosive
Oxidizing properties	not oxidizing

9.2 Other information

Specific gravity: 2.15 – 2.35

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity**

Not reactive under normal use and storage conditions. Stable in normal temperatures and air pressure. Hazardous polymerization does not occur.

10.2 Chemical stability

Chemically stable under normal storage conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known under normal use and storage conditions.

10.4 Conditions to avoid

Keep away from intense heat (> 200 °C), ignition sources, humidity and light.

10.5 Incompatible materials

No incompatible materials known.

10.6 Hazardous decomposition products

Thermal decomposition and burning may produce fumes that are hazardous to health (carbon monoxide, carbon dioxide, and organic vapors).

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects****Acute toxicity**

There are no data available on the product itself. The product is not classified as acutely toxic.

Skin corrosion/irritation

This product is not classified as irritating or corrosive to skin. Dust may cause irritation in the skin.

Serious eye damage/irritation

This product is not classified as damaging to eyes. Dust may induce eye irritation.

Respiratory or skin sensitisation

This product is not classified as a skin or respiratory sensitiser.

Germ cell mutagenicity

This product contains a substance that is suspected of causing genetic defects.

Carcinogenicity

This product contains an ingredient that is a suspected carcinogen.

Reproductive toxicity

This product contains an ingredient that is suspected of being a reproductive toxin.

STOT-single exposure

The product is not classified as toxic to specific target organs through single exposure. Hot fumes from working may irritate respiratory system.

STOT-repeated exposure

This product contains an ingredient that may cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

The product is not classified as hazardous with aspiration.

Other information

There are no further data available on the product. Repeated or prolonged exposure may cause irritation on the skin.

SECTION 12: ECOLOGICAL INFORMATION

- 12.1 Toxicity**
There are no data available on the product itself.
- 12.2 Persistence and degradability**
No data.
- 12.3 Bioaccumulative potential**
No data.
- 12.4 Mobility in soil**
Insoluble in water.
- 12.5 Results of PBT and vPvB assessment**
Chemical safety assessment has not been performed, assessment results for components not available.
- 12.6 Other adverse effects**
Not reported.

SECTION 13: DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods**
Dispose of in compliance with local and national regulations.

SECTION 14: TRANSPORT INFORMATION

- 14.1 Shipping Classification**
No Restrictions
- 14.2 Packing group**
This product is not classified as hazardous for transportation.
- 14.3 Environmental hazards**
Not Hazardous
- 14.4 Special precautions for user**
No special precautions.
- 14.5 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
Not applicable.

SECTION 15: REGULATORY INFORMATION

- 15.1 TOXIC SUBSTANCE CONTROL ACT:** All the components of this product are on the TSCA inventory.

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) TITLE III:

SECTIONS 311 & 312: This product contains one or more hazardous chemicals (as defined in 40 CFR 370.2) at levels which could require reporting under sections 311 & 312.

SECTION 313: This product contains Antimony compounds that could require reporting or customer notification under Section 313 and 40 CFR part 372.

OSHA HAZARD COMMUNICATION: This product contains sufficient quantities of ingredients to possibly produce a health hazard in normal use or foreseeable misuse and would thus be subject to the requirements of OSHA, 29 CFR 1910.1200, hazard communication.

STATE REGULATORY INFORMATION: For details on your specific state regulatory requirements, you should contact the appropriate agency in your state.

- 15.2 Chemical safety assessment**
Chemical safety assessment has not been performed.

SECTION 16: OTHER INFORMATION

References

ECHA Harmonized Classification and Labelling.

Decree of Ministry of social affairs and health about concentrations known to be adverse 268/2014 (STM: HTP values 2014)

MSDSs for ingredients and information about concentrations of ingredients from the manufacturer

Procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

Environmental hazards: Calculation method.

Training appropriate for workers

Read the instructions in this SDS.

Manufacturer

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