



SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
GB/T 16483-2008, GB/T 17519-2013

Product Name TECHBLAK™ XP6630A Black Masterbatch
Revision date 19-Jul-2023
Version 2

Product Code(s) XP6630A

1. Identification

Product identifier

Product Name TECHBLAK™ XP6630A Black Masterbatch

Other means of identification

Product Code(s) XP6630A

Details of the supplier of the safety data sheet

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Recommended use of the chemical and restrictions on use

Recommended use Plastics products: Coloration, Various.

Restrictions on use No information available.

2. Hazard(s) identification

Emergency Overview

No significant adverse health effects

Appearance Pellets

Physical state Solid

Odor None

Classification according to GB 13690-2009 & GB 30000.2-29-2013

Not classified.

Label elements

Signal word
None

Hazard statements

None

Precautionary statements

None

Physical and chemical hazards

Not applicable.

Health hazards

Immediate Health Effects: Not applicable.

Chronic effects: Not applicable.

Environmental hazards

Not applicable.

Other hazards which do not result in classification

Resin particles, like other inert materials, are mechanically irritating to eyes. Contact with molten product can result in thermal burns. Vapors possibly released during processing may be irritating to the eyes. Vapors possibly released during processing may be irritating to the respiratory tract.

3. Composition/information on ingredients

Substance

Not applicable.

Mixture

The product contains no substances known to be hazardous to health or to the environment in concentrations which need to be taken into account. Contains: Carbon black, Polyethylene (PE).

4. First-aid measures

Description of necessary first aid measures

| | |
|--------------|---|
| Skin contact | Wash thoroughly with soap and water. Cool skin rapidly with cold water after contact with molten polymer. Seek medical attention if redness, swelling, itching, or burning occurs. |
| Eye contact | In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if symptoms occur. |
| Inhalation | If cough, shortness of breath or other breathing problems occur, move to fresh air. Seek medical attention if symptoms persist. If necessary, restore normal breathing through standard first aid measures. |
| Ingestion | Do NOT induce vomiting. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. |

Most important symptoms/effects, acute and delayed Product is not classified as hazardous. See Section 11 for additional Toxicological Information.

Note to physicians Product is not classified as hazardous. Treat symptomatically.

5. Fire-fighting measures

Extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry chemical, CO2 or water spray.

Unsuitable extinguishing media No information available.

Specific hazards arising from the chemical Burning produces irritant fumes. Product as shipped is not a combustible dust. However, a combustible concentration of dust may occur when fines are suspended in air.

Hazardous combustion products Carbon monoxide, Carbon dioxide (CO2), Nitrogen oxides (NOx), Low molecular weight hydrocarbons, Oxidized hydrocarbons

Special protective actions for fire-fighters In case of fire: Wear self-contained breathing apparatus. Use personal protection equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid walking on pellets or powder which present a slipping hazard on hard surfaces. Remove all sources of ignition. Avoid generation of dust. Ensure adequate ventilation. Use personal protective equipment as required. See section 8.

Environmental precautions No special environmental measures are necessary. Prevent product from entering drains.

Methods and material for containment and cleaning up Vacuum or sweep material and place in a disposal container. Pick up and transfer to properly labeled containers. Avoid generation of dust. Prevent further leakage or spillage if safe to do so.

7. Handling and storage

Precautions for safe handling Provide appropriate exhaust ventilation at machinery and at places where vapors from hot product or dust can be generated. Avoid generation of dust. Take precautionary measures against static discharges. All metal parts of the mixing and processing equipment must be earthed/grounded. Ensure all equipment is electrically earthed/grounded before beginning transfer operations.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities Keep in properly labeled containers. Store in a dry warehouse at a temperature below 30°C.

Incompatible materials Strong oxidizing agents

8. Exposure controls/personal protection

Occupational exposure limits Materials in pellets are not expected to contain dust. Product dust could be generated by abrasion in conveying systems.

| | |
|---------------|--|
| Chemical name | Carbon Black - 1333-86-4 |
| China | TWA: 4 mg/m ³ total dust |
| ACGIH TLV | TWA: 3 mg/m ³ inhalable particulate matter |
| Chemical name | Dust, or particulates not otherwise specified - RR-00072-6 |
| China | TWA: 8 mg/m ³ total |
| ACGIH TLV | TWA: 10 mg/m ³ inhalable particles, recommended TWA: 3 mg/m ³ respirable particles, recommended |

Engineering controls Provide appropriate exhaust ventilation at machinery and at places where vapors from hot product or dust can be generated. Ensure adequate ventilation to maintain exposures below occupational limits. Ensure that eyewash stations and safety showers are close to the workstation location.

Individual protection measures, such as personal protective equipment

| | |
|--------------------------------|--|
| Eye/face protection | Wear safety glasses with side shields (or goggles). Face shield recommended for working with molten materials. |
| Skin and body protection | Protect skin against contact with molten materials. |
| Hand protection | Wear suitable gloves to protect from thermal and irritation hazards. |
| Respiratory protection | Approved respirator may be necessary if local exhaust ventilation is not adequate. |
| General hygiene considerations | Handle in accordance with good industrial hygiene and safety practice. |

9. Physical and chemical properties

Information on basic physical and chemical properties

| | |
|----------------|----------------|
| Appearance | Pellets |
| Color | black |
| Physical state | Solid |
| Odor | None |
| Odor threshold | Not applicable |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|--------------------------------|--------------------|-------------------------|
| pH | | Not applicable |
| Melting point / freezing point | | No data available |
| Boiling point / boiling range | | Not applicable |
| Flash point | | No data available |
| Evaporation rate | | No data available |
| Flammability (solid, gas) | | No data available |
| Flammability Limit in Air | | Not applicable |
| Vapor pressure | | Not applicable |
| Relative vapor density | | Not applicable |
| Relative density | 1.15 | Calculated |
| Water solubility | Insoluble in water | |
| Solubility(ies) | | Not applicable |
| Partition coefficient | | Not applicable |
| Autoignition temperature | | No data available |
| Decomposition temperature | | No data available |
| Kinematic viscosity | | Not applicable |
| Dynamic viscosity | | Not applicable |

Additional information

| | |
|----------------------|----------------|
| Explosive properties | Not applicable |
| Oxidizing properties | Not applicable |

10. Stability and reactivity

| | |
|---|--|
| <u>Reactivity</u> | Stable under normal conditions. |
| <u>Stability</u> | Stable under normal conditions. Stable under recommended storage conditions. |
| <u>Possibility of hazardous reactions</u> | None under normal processing. |
| <u>Explosion data</u> | |
| Sensitivity to mechanical impact | None. |
| Sensitivity to static discharge | Product as shipped is not a combustible dust. However, a combustible concentration of dust may occur when fines are suspended in air. Take precautionary measures against static discharges. All |

metal parts of the mixing and processing equipment must be earthed/grounded. Ensure all equipment is electrically earthed/grounded before beginning transfer operations.

Conditions to avoid

Strong oxidizing agents. Keep away from heat. Eliminate sources of ignition. Do not expose to temperatures above stability limit. Avoid generation of dust. Dust may form explosible mixture in air.

Incompatible materials

Strong oxidizing agents

Hazardous decomposition products

No decomposition if stored normally. Hazardous decomposition products may be produced when the recommended processing temperatures or times are exceeded. Products possibly generated: Carbon dioxide, Carbon monoxide, Low molecular weight hydrocarbons, Oxidized hydrocarbons, Oxides of nitrogen

11. Toxicological information

Acute toxicity

Oral LD50

No data are available on the product itself. No effects expected.

Dermal LD50

No data are available on the product itself. No effects expected.

Inhalation LC50

No data are available on the product itself. No effects expected.

Skin corrosion/irritation

No data are available on the product itself. No effects expected.

Serious eye damage/eye irritation

No data are available on the product itself. No effects expected.

Respiratory or skin sensitization

No data are available on the product itself. No effects expected.

Germ cell mutagenicity

No data are available on the product itself. No effects expected.

Carcinogenicity

No data are available on the product itself. Carbon Black is listed by IARC (International Agency for Research on Cancer) as a group 2B carcinogen. All ingredients are encapsulated in a polymeric matrix.

Reproductive toxicity

No data are available on the product itself. No effects expected.

Specific target organ toxicity (single exposure)

No data are available on the product itself. No effects expected.

Specific target organ toxicity (repeated exposure)

No data are available on the product itself. No effects expected.

Target organ effects

Skin, Lungs, Eyes

Aspiration hazard

None reasonably foreseeable. No effects expected.

Other adverse effects

No information available.

12. Ecological information

Ecotoxicity

No data are available on the product itself. No aquatic or environmental toxicity expected.

Persistence and degradability

Product not soluble in water nor biodegradable.

Bioaccumulative potential

Does not bioaccumulate.

Mobility Insoluble. Not expected to migrate.

Other adverse effects No information available.

13. Disposal considerations

Waste chemicals Can be landfilled or incinerated, when in compliance with local regulations. Material can be recycled using suitable technology.

Contaminated packaging Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.

14. Transport information

China Not regulated

IMDG Not regulated

IATA Not regulated

15. Regulatory information

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

Measures for the Environmental Management of New Chemical Substances

IECSC Complies

International Inventories

TSCA Complies

DSL/NDSL Complies

EINECS/ELINCS Complies

ENCS Complies

KECL Complies

PICCS Complies

AICS Complies

TCSI Complies

NZIoC Complies

Note:

K-REACH: Does not comply

Legend:

IECSC - China Inventory of Existing Chemical Substances

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

TCSI - Taiwan Chemical Substance Inventory

NZIoC - New Zealand Inventory of Chemicals

16. Other information

Prepared By Cabot Corporation - Safety, Health and Environmental Affairs

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Abbreviations and acronyms

Legend Section 8: Exposure controls/personal protection

| | | | |
|---------|-----------------------------|------|----------------------------------|
| TWA | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value | * | Skin designation |
| C | Carcinogen | | |

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End of Safety Data Sheet