



SAFETY DATA SHEET

According to Chinese National Standard GB/T 16483-2008 and GB/T 17519-2013

Revision date: 14-Jul-2020

According to Chinese National Standards GB/T 16483-2008 and GB/T 17519-2013, a Safety Data Sheet (SDS) must be provided for hazardous substances or mixtures. This product does not meet the classification criteria according to this standard. Therefore, such document is outside the scope of the standard and the requirements for each section do not apply.

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name: PLASBLAK® XP6399D Black Masterbatch

Product code: XP6399D

Synonyms: Black Styrene Acrylonitrile Copolymer Masterbatch

Recommended use: Plastics products:, Coloration, Various

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2. HAZARDS IDENTIFICATION

GHS - Classification

Not hazardous according to Chinese National Standards GB 13690-2009 and GB 30000.2-29-2013.

Label Elements:

Pictogram: None

Signal Word: None

Hazard statements: None

Precautionary Statements: None

Hazards not otherwise classified (HNOC)

Potential health effects

Principle Routes of Exposure:	Eyes, Skin, Inhalation
Eye Contact:	Resin particles, like other inert materials, are mechanically irritating to eyes. Vapors possibly released during processing may be irritating to the eyes. Contact with molten product can result in thermal burns.
Skin Contact:	Contact with molten product can result in thermal burns.
Inhalation:	Vapors possibly released during processing may be irritating to the respiratory tract. Vapors possibly include traces of styrene and acrylonitrile.
Ingestion:	According to experience not expected.
Carcinogenicity:	Does not contain any substance classified as a carcinogen by the European Union. See also Section 11.
Target Organ Effects:	Lungs, Skin, Eyes
Medical Conditions Aggravated by Exposure:	Asthma, Respiratory disorder
Potential Environmental Effects:	No special environmental precautions required. See also Section 12.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical substance / mixture:

A mixture of carbon black in a styrene acrylonitrile copolymer base. Does not contain any hazardous ingredients.

4. FIRST AID MEASURES

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	Flush eyes immediately with large amounts of water for 15 minutes. Seek medical attention if redness, swelling, itching, burning or visual disturbances 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. If conscious, give several glasses of water. Never give anything

by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

Symptoms: Product is not classified as hazardous. The most important known symptoms and effects are described in Section 2 and/or in Section 11.

Indication of any immediate medical attention and special treatment needed

Note to physicians: Product is not classified as hazardous. Seek medical attention if symptoms develop.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use dry chemical, carbon dioxide or water spray.

Unsuitable Extinguishing Media: No information available.

Specific hazards arising from the chemical: Burning produces irritant fumes.

Hazardous combustion products: Carbon dioxide (CO₂). Carbon monoxide (CO). Low molecular weight hydrocarbons. Oxidized hydrocarbons. Oxides of nitrogen. Ammonia. Acrylonitrile. Hydrogen cyanide. Styrene monomers.

Protective equipment and precautions for firefighters: In the event of fire, wear self-contained breathing apparatus. Wear suitable protective equipment.

Risk of Dust Explosion: Product as shipped is not a combustible dust. However, a combustible concentration of dust may occur when fines are suspended in air.

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 dust formation. Ensure adequate ventilation. Use personal protective equipment. See also Section 8.

Environmental Precautions:

Environmental Precautions: No special environmental precautions required. Prevent product from entering drains. Where possible recycling is preferred to disposal or incineration.

Methods and material for containment and cleaning up

Methods for containment: Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Clean up promptly by vacuum. Sweep up to prevent slipping hazard. Pick up and transfer to properly labelled containers. Avoid dust formation.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling: Provide appropriate exhaust ventilation at machinery and at places where vapors from hot product or dust can be generated. Avoid dust formation. Take measures to prevent the build up of electrostatic charge. 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

Storage Conditions: 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

Exposure guidelines: .

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

Acrylonitrile, CAS RN 107-13-1:

- Austria - MAK: 4.5 mg/m³, TWA
- 18 mg/m³, STEL
- Belgium - OEL: 4.4 mg/m³, TWA
- China: 1 mg/m³, TWA
- 2 mg/m³, STEL
- Finland: 4.4 mg/m³, TWA
- 8.8 mg/m³, STEL
- France - INRS: 4.5 mg/m³, TWA/VME
- Germany - TRGS 900: 7.0 mg/m³
- Ireland: 4.5 mg/m³, TWA
- Italy-OEL: 4.5 mg/m³, TWA
- Spain: 4.4 mg/m³, TWA
- United Kingdom - WEL: 4.4 mg/m³, TWA
- US ACGIH - TLV: 4.5 mg/m³, TWA
- US OSHA - PEL: 4.5 mg/m³, TWA

Dust, or Particulates Not Otherwise Specified:

Austria MAK:	10 mg/m ³ , STEL 2x30 min, Inhalable dust
	5 mg/m ³ , TWA, Inhalable dust

Belgium:	10 mg/m ³ , TWA, Inhalable
	3 mg/m ³ TWA, Respirable

Germany - TRGS 900:	10 mg/m ³ , TWA, Inhalable
	1.25 mg/m ³ , Respirable fraction

Ireland:	10 mg/m ³ , TWA, Total inhalable
	4 mg/m ³ , TWA, Respirable

Italy:	10 mg/m ³ , TWA, Inhalable
	3 mg/m ³ , TWA, Respirable

Spain:	10 mg/m ³ , VLA, Inhalable
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3 mg/m³, VLA, Respirable

United Kingdom - WEL: 10 mg/m³, TWA, Total Inhalable dust
4 mg/m³, TWA, Respirable dust

US ACGIH - PNOS: 10 mg/m³, TWA, Inhalable
3 mg/m³, TWA, Respirable

Styrene, CAS RN 100-42-5:

Austria - MAK: 85 mg/m³, TWA
Belgium - OEL: 216 mg/m³, TWA
China: 50 mg/m³, TWA
100 mg/m³, STEL
Finland: 86 mg/m³, TWA
430 mg/m³, STEL
France - INRS: 215 mg/m³, TWA/VME
Germany - TRGS 900: 86 mg/m³
Hong Kong: 85 mg/m³, TWA
170 mg/m³, STEL
Ireland: 85 mg/m³, TWA
170 mg/m³, STEL
Italy-OEL: 85 mg/m³, TWA
170 mg/m³, STEL
Spain: 86 mg/m³, TWA
United Kingdom - WEL: 430 mg/m³, TWA
1,080 mg/m³, STEL
US ACGIH - TLV: 85 mg/m³, TWA
US OSHA - PEL: 425 mg/m³, TWA

INRS: Institut National de Recherche et de Sécurité (National Institute of Research and Security)

MAK: Maximale Arbeitsplatzkonzentration (Maximum Workplace Concentration)

OEL: Occupational Exposure Limit

PEL: Permissible Exposure Limit

PNOS: Particulate Not Otherwise Specified

STEL: Short Term Exposure Limit

TLV: Threshold Limit Value

TRGS: Technische Regeln für Gefahrstoffe (Technical Rule for Hazardous Materials)

TWA: Time Weighted Average

US ACGIH: United States American Conference of Governmental Industrial Hygienists

VME: Valeur Moyenne d'Exposition (Average Level of Exposure)

VLA: Valore Limite Ambientale (Environmental Limit Value)

WEL: Workplace Exposure Limit

US OSHA: United States Occupational Safety and Health Administration

Engineering Controls: Provide appropriate exhaust ventilation at machinery and at places where vapors and dust can be generated. Ensure adequate ventilation to maintain exposures below occupational limits.

Personal protective equipment [PPE]

Respiratory Protection: Approved respirator may be necessary if local exhaust ventilation is not adequate.

Hand Protection: Wear suitable gloves to protect from thermal and irritation hazards.

Eye/face Protection: Wear 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.

Other: Handle in accordance with good industrial hygiene and safety practice. Emergency eyewash and safety shower should be located nearby.

Environmental exposure controls: No special environmental precautions required. Prevent product from entering drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid	Odor:	None
Appearance:	Pellets	Odor threshold:	Not Applicable
Color:	Black		

Property	Values	Remarks • Method
pH:		Not Applicable
Melting point/freezing point:		No information available
Boiling point / boiling range:		Not Applicable
Evaporation Rate:		Not Applicable
Vapor pressure:		Not Applicable
Vapor Density:		Not Applicable
Density:	1220 kg/m ³	Calculated
Bulk Density:		No information available
Specific Gravity at 20°C:	1.22	Calculated
Water solubility:		Insoluble
Solubility(ies):		Not Applicable
Partition Coefficient (n-octanol/water):		Not Applicable
Decomposition temperature:		No information available
Viscosity:		Not Applicable
Kinematic viscosity:		Not Applicable
Dynamic viscosity:		Not Applicable
Oxidizing Properties:		Not Applicable
Softening point:		No information available
VOC content (%):		Not Applicable
% Volatile (by Volume):		Not Applicable
% Volatile (by Weight):		Not Applicable
Surface Tension:		No information available
Explosive properties:		Not Applicable
Flash Point:		No information available
Flammability (solid, gas):		No information available
Flammability Limit in Air:		Not Applicable
Explosion Limits in Air - Upper (g/m ³):		Not Applicable
Explosion Limits in Air - Lower (g/m ³):		Not Applicable
Autoignition Temperature:		No information available
Minimum Ignition Temperature:		Not Applicable
Minimum Ignition Energy:		Not Applicable
Ignition Energy:		Not Applicable

Maximum Absolute Explosion Pressure:	Not Applicable
Maximum Rate of Pressure Rise:	Not Applicable
Burn Velocity:	No information available
Kst Value:	Not Applicable
Dust Explosion Classification:	Not Applicable

10. STABILITY AND REACTIVITY

Reactivity:	Stable under recommended storage conditions.
Stability:	Stable under recommended handling and storage conditions.
Explosion data	See also Section 9.
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 measures to prevent the build up of electrostatic charge. All metal parts of the mixing and processing equipment must be earthed/grounded. Ensure all equipment is electrically earthed/grounded before beginning transfer operations.
Possibility of hazardous reactions:	None under normal processing.
Conditions to avoid:	Strong oxidizing agents. Keep away from heat and sources of ignition. Do not expose to temperatures above stability limit. Avoid dust formation. Dust may form explosive 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. Ammonia. Acrylonitrile. Hydrogen cyanide. Styrene monomers.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified.

Oral 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.
Dermal LD50:	No data are available on the product itself. No effects expected.
Skin corrosion/irritation:	No data is available on the product itself No effects expected
Serious eye damage/eye irritation:	No data is available on the product itself. No effects expected.

Sensitization:	No data are available on the product itself. No effects expected.
Carcinogenicity:	Does not contain any substance classified as a carcinogen by the European Union.
Reproductive Toxicity:	No data are available on the product itself. No effects expected.
STOT - single exposure:	No data is available on the product itself. No effects expected.
STOT - repeated exposure:	No data is available on the product itself. No effects expected.
Aspiration Hazard:	None reasonably foreseeable. No effects expected.

12. ECOLOGICAL INFORMATION

Aquatic Toxicity:	No data are available on the product itself No aquatic or environmental toxicity expected.
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ENVIRONMENTAL FATE

Persistence and degradability	Product not soluble in water nor biodegradable.
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Bioaccumulation	Does not bioaccumulate.
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Mobility:	Insoluble. Not expected to migrate.
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Other adverse effects:	No information available.
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13. DISPOSAL CONSIDERATIONS

Disclaimer: Information in this section pertains to the product as shipped in its intended composition as described in Section 3 of this SDS. Contamination or processing may change waste characteristics and requirements. Regulations may also apply to empty containers, liners or rinsate. State/provincial and local regulations may be different from federal regulations.

Disposal considerations:	Can be landfilled or incinerated, when in compliance with local regulations. Material can be recycled using suitable technology.
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14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

DOT

UN/ID no	Not regulated
Proper Shipping Name	Not regulated
Hazard Class	Not regulated
Packing group	Not regulated

ICAO (air)

UN/ID no	Not regulated
Proper Shipping Name	Not regulated
Hazard Class	Not regulated
Packing group	Not regulated

IATA

UN/ID no	Not regulated
Proper Shipping Name	Not regulated
Hazard Class	Not regulated
Packing group	Not regulated

IMDG

UN/ID no	Not regulated
Proper Shipping Name	Not regulated
Hazard Class	Not regulated
Packing group	Not regulated

RID

UN/ID no	Not regulated
Proper Shipping Name	Not regulated
Hazard Class	Not regulated
Packing group	Not regulated

ADR

UN/ID no	Not regulated
Proper Shipping Name	Not regulated
Hazard Class	Not regulated
Packing group	Not regulated

15. REGULATORY INFORMATIONInternational Inventories

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory	Complies
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List	Complies
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances	Complies
ENCS - Japan Existing and New Chemical Substances	Complies
IECSC - China Inventory of Existing Chemical Substances	Complies
KECL - Korean Existing and Evaluated Chemical Substances	Complies
PICCS - Philippines Inventory of Chemicals and Chemical Substances	Complies
AICS - Australian Inventory of Chemical Substances	Complies
NZIoC - New Zealand Inventory of Chemicals	Complies
TCSI - Taiwan Chemical Substance Inventory	Complies

16. OTHER INFORMATION

Disclaimer:

The information set forth is based on information that Cabot Corporation believes to be accurate. No warranty, expressed or implied, is intended. The information is provided solely for your information and consideration and Cabot assumes no legal responsibility for use or reliance thereon. In the event of a discrepancy between the information on the non-English document and its English counterpart, the English version shall supersede.

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End of Safety Data Sheet