

SAFETY DATA SHEET

Revision date: 7-August-2025

1. Identification

Product Name	Coal-Based Mesophase Pitch
Cat No.:	MMS-MP-0111, MMS-MP-0112, MMS-MP-0113
CAS No.:	8052-42-4
Recommend use of the chemical and restrictions on use	For carbon production. For professional use only
Details of the supplier of the safety data sheet	
Supplier:	Momentum Materials Solutions Corp. 253147 Bearspaw Road Calgary, Alberta, Canada T3L 2P5 TEL: +1 (368) 997-9893 FAX: +1 (587)206-9760 EMAIL: info@momentummaterials.com WEBSITE: www.momentummaterials.com
Emergency number	Call your local general practitioner Call 911 if there is life-threatening incident

2. Hazard(s) identification

GHS Classification

Physical Hazards	Not classified
Health Hazards	Carcinogenicity Category 2
Environmental Hazards	Classification not possible

The hazards not mentioned are not applicable or no data available.

Label Elements

Pictogram



Signal Word

Warning

Hazard Statements

Suspected of causing cancer.

Prevention Precautionary Statements

Obtain, read and follow all safety instructions before use.

Wear protective gloves, protective clothing, eye protection, face protection, and hearing protection.

Response Precautionary Statements

IF exposed or concerned, get medical advice.

Storage Precautionary Statements

Store locked up.

Disposal Precautionary Statements

Dispose of contents/container in accordance with local/regional/national/international regulations.

Other Hazards

No data available

3. Composition/Information on Ingredients

Component	Concentration	CAS No.	EC No.
Asphalt	100%	8052-42-4	232-490-9

4. First-aid measures

First-aid measures after inhalation

If inhaled, move the affected person away from the contaminated area and into fresh air. If irritation persists, seek a physician.

First-aid measures after skin contact

In case of skin contact, flush with copious amounts of water. If irritation persists, call a physician.

First-aid measures after eye contact

In case of contact with eyes, flush immediately with plenty of water for at least 15 minutes. Ensure adequate rinsing by separating the eyelids with fingers. If irritation persists, seek a physician.

First-aid measures after ingestion

If swallowed, rinse the mouth with water if the person is conscious. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a POISON CENTRE or a doctor/physician.

Most important symptoms and effects, both acute and delayed

No data available

Indication of any immediate medical attention and special treatment needed No data available.

5. Fire-fighting measures

Suitable extinguishing media

Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Specific hazardous decomposition products in case of fire

It may decompose upon combustion or in high temperature to generate carbon oxides.

Firefighting instructions

Wear a self-contained breathing apparatus and protective clothing to prevent contact with the skin and eyes. Fire-extinguishing work should be conducted from the windward side. Uninvolved personnel should evacuate to a safe place

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Remove all sources of ignition. Avoid breathing dust. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Control entry of non-involved personnel around the leakage area by roping it off.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Avoid entering drains.

Methods and material for containment and cleaning up

Sweep up with a spade and transfer to a dry, clean, and lidded container for disposal. Avoid raising any dust. Ventilate the area and wash spill site after the material pickup is complete.

Refer to sections 8 and 13.

7. Handling and storage

Precautions for safe handling

Operators should be trained and strictly adhere to operating procedures. Wear appropriate protective clothing and chemical safety gloves. Avoid inhalation. Avoid contact with eyes, skin and clothing. Prevent the generation of dust. Keep away from ignition sources, heat and flame. No smoking at the worksite. Handling should be performed in a well-ventilated area. Wash hands and face thoroughly after handling. Incompatibilities: strong oxidants. Handle with care during loading and unloading to prevent package breakage or moisture exposure, which may cause losses. The workplace should be

Conditions for safe storage, including any incompatibilities

equipped with appropriate types and quantities of firefighting equipment and emergency leakage treatment equipment.

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Keep away from ignition sources, heat and flame. Storage place should be equipped with appropriate types and quantities of firefighting equipment and emergency leakage treatment equipment.

Incompatible with strong oxidants.

8. Exposure controls / personal protection

Control parameters

GBZ 2.1-2019 Occupational Exposure Limits for Hazardous Agents in the Workplace – Part 1: Chemical Hazardous Agents:

Asphalt (petroleum) fume, as benzene soluble matter: PC-TWA 5mg/m. Remark: G2B

USA - ACGIH

Hydrocarbon oxygen carbon: TLV-TWA 5mg/m.

Exposure controls

Appropriate engineering controls

Mechanical exhaust required. Safety shower and eye bath.

Skin protection

Wear compatible protective gloves. Wear appropriate protective clothing.

Hand protection

Impervious gloves e.g. PVC, nitrile rubber, butyl rubber. Chemical resistant PVC gloves (to European standard EN 374 or equivalent).

Eye protection

Wear chemical goggles or safety glasses.

Respiratory protection

Wear government approved respirator.

Thermal hazard protection

No data available.

Other information

Do not eat, drink or smoke at the worksite. Wash hands thoroughly after handling.

9. Physical and chemical properties

Physical state

Blocky solid

Colour

Black

Odour	Weak odor
pH	Not applicable
Relative evaporation rate (butyl acetate=1)	No data available
Melting point	Not applicable
Freezing point	Not applicable
Boiling point	Not applicable
Flash point	Not applicable
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	The substance is not classified in Division 4.1 Flammable Solids.
Vapour pressure	No data available
Relative vapour density at 20 °C	No data available
Relative density	No data available
Density	No data available
Solubility	Insoluble in water
Log Pow	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	Not applicable
Explosive properties	No data available
Oxidizing properties	No data available
Explosive limits	No data available

10. Stability and reactivity

Reactivity	No data available.
Chemical stability	Stable under normal temperatures and pressures.
Possibility of hazardous reactions	No data available.
Conditions to avoid	No data available.
Incompatible materials	Strong oxidizers.
Hazardous decomposition products	Carbon oxides.

11. Toxicological information

Acute toxicity	No data available.
Skin corrosion/irritation	No data available.
Serious eye damage/irritation	No data available.
Respiratory or skin sensitisation	No data available.
Germ cell mutagenicity	No data available.
Carcinogenicity	Hydrocarbon oxygen carbon: Asphalt: IARC: Group 2B (Possibly carcinogenic to humans) The product is suspected of causing cancer.
Reproductive toxicity	No data available.
Specific target organ toxicity (single exposure)	No data available.
Specific target organ toxicity (repeated exposure)	No data available.
Aspiration hazard	No data available.

12. Ecological information

Toxicity (Ecology – general)	No data available.
Persistence and degradability	No data available.
Bio-accumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	No data available.

13. Disposal considerations

Disposal methods	Recycle as much as possible. If recycling is not feasible, it is recommended to use the incineration method for disposal under supervision. This product should not be discharged into sewers. Please return empty containers to the manufacturer or dispose of them in accordance with national and local regulations. Prior to disposal, ensure compliance with relevant provisions of national and local regulations. It is recommended to entrust
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disposal to a qualified chemical waste treatment department.

14. Transport information

RID/ADR (2023 Edition)	Not regulated
IATA DGR (64th Edition)	Not regulated
IMO IMDG CODE (2020 Edition)	Not regulated
Environmental hazards	No.
Special precautions for users	No data available
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable

15. Regulatory information

Montreal Protocol	Not listed
Stockholm Convention	Not listed
Rotterdam Convention	Not listed
EINECS/ELINCS	The product is listed.
TSCA	The product is listed.
IECSC	The product is listed.

16. Other information

Disclaimer

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

End of SDS