

Accelerator PDM (MPBM)

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION	
Manufacturer Willing New Materials Technology Co., Ltd. Chemical Industry-Intensive Area Puyang, Henan, China 457163	Emergency Contact Chemtrec: 1-800-424-9300 (USA) 1-330-542-8400 (outside USA)
Trade Name(s): Accelerator PDM (MPBM), HVA-2	Chemical Name: N,N-m-phenylene bismaleimide, 1,1'-(1,3-phenylene)bis-1H-pyrrole-2,5-dione
Relevant identified uses of the substance or mixture and uses advised against: No further information available	Application of the substance/the preparation: Used as vulcanization accelerator in rubber goods manufacture.
Issued By: Sovereign Chemical Company (Distributor) 4040 Embassy Parkway, Suite 190 Akron, Ohio 44333	Date of Issue: July 1, 2026

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Information in accordance with US 29 CFR 1910.1200 (Hazcom 2012), Regulation (EC) No 1272/2008, 1907/2006/EC (REACH), and GHS.

Hazard Pictograms (CLP)	:  GHS06,  GHS09
Signal Word	: Danger
Hazard statements (CLP)	: - H302 – Harmful if swallowed, Category 4 - H317 – May cause an allergic skin reaction, Category 1 - H330 – Fatal if inhaled, Category 2 - H411 – Toxic to aquatic life with long last effects, Category 2
Precautionary statements (CLP)	: - P264 - Wash hands thoroughly after handling - P270 - Do not eat, drink or smoke when using this product. - P301 + P312 - IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell. - P330 – Rinse mouth. - P501 - Dispose of contents/ container to an approved waste center. - P261 - Avoid breathing dust/fume/gas/mist/vapors/spray. - P272 - Contaminated work clothing should not be allowed out of the workplace. - P280 - Wear protective clothing, eye protection, face protection, protective gloves. - P302 + P352 - IF ON SKIN: wash with plenty of soap and water. - P333 + P313 - IF SKIN irritation or rash occurs: Get medical advice/attention. - P363 - Wash contaminated clothing before reuse. - P260 - Do not breathe dust/fume/gas/mist/vapors/spray.

P271 - Use only outdoors or in a well-ventilated area.
P284 - Wear respiratory protection.
P304 + P340- IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.
P310 - Immediately call a POISON CENTER or doctor/physician
P403 +P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 – Store locked up.
P273- Avoid release to the environment.
P391 - Collect spillage. Hazardous to the aquatic environment.
Other : This substance does not meet the PBT or vPvB criteria of REACH regulation, annex XIII

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Chemical Name	CAS No	EC No	Weight %	Classification
N,N-m-phenylene bismaleimide	3006-93-7	221-112-8	≥ 98	H302 – Harmful if swallowed, Category 4 H317 – May cause an allergic skin reaction, Category 1 H330 – Fatal if inhaled, Category 2 H411 – Toxic to aquatic life with long last effects, Category 2

4. FIRST AID MEASURES

Description of first aid measures

General advice: Remove contaminated clothing and shoes. Do not get in eyes, on skin, or on clothing. Do not breathe dust/fume/gas/mist/vapors/spray. In the case of skin irritation or allergic reactions see a physician. In case of accident or unwellness, seek medical advice immediately.

Inhalation: Remove person to fresh air and keep comfortable for breathing. Call a physician immediately.

Skin contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion: Rinse mouth. Get medical attention. Never give anything by mouth to an unconscious person.

Most important symptoms and effects both acute and delayed

Symptom Effects: Harmful if swallowed. May cause an allergic skin reaction. Fatal if inhaled.

Indication of any immediate medical attention and special treatment needed

General: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media: Do not use straight streams.

Special hazards arising from the substance or mixture

Thermal decomposition: Thermal decomposition can lead to release of irritating and toxic gases and vapors, such as carbon oxides and nitrogen oxides

Special protective equipment and precautions for firefighters

Advice for firefighters: Evacuate personnel to safe areas. Move containers from fire area if you can do it without risk. Cool drums with water spray. Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Stay upwind. Ensure adequate ventilation, especially in confined areas.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

General: Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Remove all sources of ignition. Do not touch or walk through spilled material. Avoid contact with skin, eyes or clothing. Avoid breathing dust/fume/gas/mist/vapors/spray. Use personal protection recommended in Section 8.

Environmental precautions

General: Local authorities should be advised if significant spillages cannot be contained. Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up

General: Sweep up and shovel into suitable containers for disposal.

Reference to other sections

General: See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal

7. HANDLING AND STORAGE

Precautions for safe handling

Protective measures: Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes or clothing. Wash contaminated clothing before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Use personal protection recommended in Section 8.

Conditions for safe storage, including any incompatibilities

Storage: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat. Keep locked up and out of reach of children. Store in accordance with local regulations.

Specific end use(s)

General: Not applicable

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

Control Parameters

Occupational exposure limits: Latvia – TWA 1 mg/m³

Derived No Effect Level: No information available. No chemical safety assessment has been carried out.

Predicted No Effect Concentration: No information available. No chemical safety assessment has been carried out.

Exposure controls

Appropriate engineering controls: Showers. Eyewash stations. Ensure adequate ventilation, especially in confined areas. Remove all sources of ignition.

Eye/face protection: Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Hand protection:	The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Body protection:	Complete suit protecting against chemicals.
Respiratory protection:	Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Thermal hazard:	No additional information available.
Environmental exposure controls:	Do not allow into any sewer, on the ground or into any body of water.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Solid powder	Melting Point/Melting Range: 198-201°C
Color: Yellow to light brown	Boiling Point/Boiling Range: 499.3°C
Odor: Odorless	Octanol/Water Partition Coefficient: 0.67
Odor threshold: Not determined	pH Value: Not determined
Vapor pressure: No data available	Flash point: 250.7°C
Density at 25 °C: 1.567 g/cm ³	Flammability (solid, gaseous): Not flammable
Relative density: Not applicable	Ignition temperature: Not applicable
Particle characteristics: 0.142-79.621 µm	Decomposition temperature: No data available
Evaporation rate: No data available	Oxidizing properties: No data available

Solubility in / Miscibility with water: 1037 mg/L	Explosive properties: No data available
Viscosity Dynamic: Not determined Kinematic: Not determined	Explosion limits Lower: Not applicable Upper: Not applicable

10. STABILITY AND REACTIVITY

Reactivity

No information available.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

Conditions to avoid

Heat, flames and sparks, and incompatible materials/

Incompatible materials

Strong oxidizing agent.

Hazardous decomposition products

Carbon oxides and nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

General:	Not classified
Acute toxicity (oral):	LD50 rat: > 300-2000 mg/kg
Acute toxicity (inhalation):	LC50 rat: 0.089 mg/L (0.044 mg/L – 0.256 mg/L)
Skin corrosion/irritation:	No adverse effect observed (not irritating)
Serious eye damage/irritation:	No adverse effect observed (not irritating).
Respiratory or skin sensitization:	May cause an allergic skin reaction.
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT single exposure:	Not classified

STOT multiple exposure:	Not classified
Aspiration hazard:	Not classified
Other information:	The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

12. ECOLOGICAL INFORMATION

Toxicity

General:	Toxic with long lasting effects.
Acute (short-term) toxicity:	LC50(96h, Fish):10 mg/L
Acute (short-term) toxicity:	LC50(48h, invertebrates): 31.6 mg/L
Acute (short-term) toxicity:	EC50(72h, Algae/aquatic plants): 55.5 mg/L
NOEC	Algae: 0.308 mg/L

Persistence and degradability

Information:	Not readily biodegradability. 0% in 28 days
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Bioaccumulation potential

Log PoW:	No information available.
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Mobility in soil

Information:	Log Koc - 2.49
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Results of PBT and vPvB assessment

Information:	PBT/vPvB assessment information is not available as chemical safety assessment not conducted.
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Other adverse effects

Information:	The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605
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13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products:	Dispose of contents/container in accordance with licensed collector's sorting instructions.
Contaminated packaging:	Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORTATION INFORMATION

UN-Number	
DOT, ADR, ADN, IMDG, IATA, RID	2811
UN proper shipping name	
DOT, ADR, ADN, IMDG, IATA, RID	Toxic solids, organic, n.o.s. (N,N-m-phenylene bismaleimide)
Transport hazard class(es)	
DOT, ADR, ADN, IMDG, IATA, RID	6.1
Packing group	
DOT, ADR, ADN, IMDG, IATA, RID	II
Environmental hazards	Marine pollutant
Special precautions for user	Not data available
Transport in bulk according to Annex II: of MARPOL and the IMO instruments	Not applicable

15. REGULATORY INFORMATION

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

SARA Section 355 (extremely hazardous substances)	Not listed
SARA Section 313 (Specific toxic chemical listings)	Not listed
TSCA (Toxic Substances Control Act)	Listed
Proposition 65 (California)	
Chemicals known to cause cancer	Not listed
Chemicals known to cause reproductive toxicity for females	Not listed
Chemicals known to cause reproductive toxicity for males	Not listed
Chemicals known to cause developmental toxicity	Not listed
Carcinogenic Categories	
IARC (International Agency for Research on Cancer)	Not listed
TLV (Threshold Limit Value established by ACGIH)	Not listed
NIOSH-Ca (National Institute for Occupational Safety and Health)	Not listed
OSHA (Occupational Safety & Health Administration)	Not listed
Canada	
Canadian Domestic Substances List (DSL)	Listed
Canadian Ingredient Disclosure list (limit 0.1%)	Not listed

Canadian Ingredient Disclosure list (limit 1%)	Not listed
REACH	
REACH Candidate List	Not listed
REACH XIV List	Not listed

Chemical Safety Assessment:

No chemical safety assessment has been carried out.

16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.