

SAFETY DATA SHEET



Rev.01/21

MATRIX MB150 BINDER 1K

1. Identification of the substance/preparation and of the company/undertaking

Product name : MATRIX MB150 BINDER 1K
Product type : Paint
Product use : Auto Refinish
Supplier/Manufacturer : TOA Performance Coating Corporation Co., Ltd.
Address : 31/1 Moo 3, Debaratana Rd., KM.23, Bangsaothong,
Amphur Bangsaothong, Samuthprakarn, 10540 Thailand.
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Emergency telephone number : +66(0)235-5555 #1999

2. Hazards identification

Classification of the substance or mixture

Flammable liquid and vapour	Category 2
Skin corrosion / Irritation	Category 2
Serious eyes damage / Eyes irritation	Category 1
Respiratory sensitisation	Category 1
Carcinogenicity	Category 2
Reproductive toxicity	Category 1B
Specific target organ systemic toxicity-Single exposure	Category 1
Specific target organ systemic toxicity-Repeated exposure	Category 1
Aspiration Hazard	Category 1
Acute aquatic hazard	Category 1
Long-term aquatic hazard	Category 2

GHS -Labelling

Pictogram symbols



Signal word : Danger

Hazard statement

: H225 - Highly flammable liquid and vapour
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H318 Causes serious eye damage
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
H351 - Suspected of causing cancer
H370 - Causes damage to organs
H372 - Causes damage to organs through prolonged or repeated exposure
H400 - Very toxic to aquatic life
H411 - Toxic to aquatic life with long lasting effects

Precautionary statement

: **Prevention**
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat/sparks/open flames/hot surfaces.– No smoking.
P233 - Keep container tightly closed.
P240 - Ground/Bond container and receiving equipment
P241 - Use explosion-proof electrical/ventilating/lighting

P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P261 - Avoid breathing dust/fume/gas/mist/ vapours/spray.
P264 – Wash hand, mouth, etc. thoroughly after handling.
P270 - Do not eat, drink or smoke when using thisproduct.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/eye protection/face protection
P281 - Use personal protective equipment as required.
P285 - In case of inadequate ventilation wear respiratory protection.

Response

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302 + P352 F ON SKIN: Wash with plenty of soap and water
P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off
P304 + P341 - F INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P307 + P311IF exposed: Call a POISON CENTER ordoctor/physician.
P308 + P313 IF exposed or concerned: Get medical advice/attention.
P310 - Immediately call a POISON CENTER ordoctor/physician.
P314 - Get medical advice/attention if you feel
P321 - Specific treatment
P331 - Do NOT induce vomiting.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
P362 - Take off contaminated clothing and wash before reuse.
P370 + P378 - In case of fire: Use appropriate media for extinction.
P391 Collect spillage.

Storage

P403 + P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.

Disposal

P501 - Dispose of contents/container to appropriate waste site or reclaimer in accordance with local/ regional / nation or national regulations.

3. Composition/information on ingredients

<u>Chemical name</u>	<u>CAS No.</u>	<u>Concentration(%)</u>
Acrylic resin	Proprietary	65 - 70
Xylene	1330-20-7	21 - 25
PM Acetate	108-65-6	5 - 10
Butyl acetate	123-86-4	1 - 5
Iso-butanol	78-83-1	1 - 5

4. First aid measures.

General Advice : If symptoms persist, call a physician.
Eye Contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minute.
Get medical advice / attention.
Skin Contact : Do NOT use solvents or thinner .Remove contaminated clothing immediately and Wash off with plenty of water .If skin irritation persists, get medical advice / attention.
Inhalation : Move to fresh air. Get medical attention if symptoms occur. Risk of serious damage to the lungs.
Ingestion : Rinse mouth with fresh water . Do not induce vomiting. Call a physician immediately. If vomiting occurs naturally, have victim lean forward.

5. Fire-fighting measures

Extinguishing Media

Suitable extinguishing media : Use water spray, dry chemical powder, Carbon dioxides, foam

Unsuitable extinguishing media : Do not use water jet

Special hazards arising from the substance or mixture

Fire hazard : In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Thermal decomposition products : Decomposition products may be hazardous to health.

Special protective equipment and precautions for fire-fighters

Protective actions for firefighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : Do not attempt to take action without suitable protective equipment

Environmental precautions : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution. Water polluting material. May be harmful to the environment. If released in large quantities.

Methods and material for containment and cleaning up

: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

7. Handling and storage

Handling : Handle in good ventilated area.
: Wash thoroughly hand and face after handling.
: Close tightly container with cap necessarily during and after use.
: Wear antistatic suits and shoes, while working.
: Use handtool of spark proof type and ground equipment.
: Wear proper protectors to avoid contact of skin or eyes when handling open containers.

: Install proper local ventilator and wear proper protector in closed space.

Storage : Keep container closed and avoid direct sunlight.
: Store in good ventilation.
: Store with keeping away from ignition or heat source.

8. Exposure controls/personal protection

Control parameters : Xylene
OSHA : PEL-TWA 100 ppm (435 mg/m³)
PEL-STEL 150 ppm (655 mg/m³)
NIOSH : REL-TWA 100 ppm (435 mg/m³)
REL-STEL 150 ppm (655 mg/m³)
Butyl acetate

OSHA : PEL TWA 150 ppm (710 mg/m³)
 PEL STEL 200 ppm (950 mg/m³)
 NIOSH : REL TWA 150 ppm (710 mg/m³)
 REL STEL 200 ppm (950 mg/m³)
 PMI acetate
 OSHA : CAPEL TWA 100 ppm (541 mg/m³)
 CAPEL STEL 150 ppm (811 mg/m³)
 Iso-Butanol
 OSHA : PEL-TWA 100 ppm (300 mg/m³)
 NIOSH : REL-TWA 50 ppm (150 mg/m³)

Engineering controls : Use only in a well-ventilated area. Use local exhaust ventilation
 Personal protection
 Respiration protection : Organic vapor respirator
 Eye/Face protection : Safety google and face shield
 Skin protection : Wear protective clothing
 Body protection : Wear protective clothing
 Work/Hygienic Practices : Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

9. Physical and chemical properties

Appearance and Colour : Liquid, Milky
 Odour : Solvent Odour
 Odour Threshold : Not available
 pH : Not available
 Melting point/freezing point : Not available
 initial boiling point and boiling range : Not available
 Flash point : 31 °C
 Evaporation rate : Not available
 Flammability (solid, gas) : Not available
 Vapour pressure : Not available
 Vapour density : Not available
 Relative density at 25C : 0.91 – 0.93 g/cm³
 Solubility : None or poor in water
 Log Pow : Not available
 Auto ignition temperature : Not available
 Decomposition temperature : Not available
 Viscosity : Not available

10. Stability and reactivity

Reactivity : Not available
 Chemical stability : Stable under normal conditions.
 Possibility of hazardous reactions : Hazardous reactions will not occur under normal conditions.
 Conditions to Avoid : High temperature, direct sunlight.
 Materials to Avoid : Acid, alkaline and Strong oxidising agent and reducing agents or peroxide fumes.
 Hazardous Decomposition : Carbon monoxide , Carbon dixide toxic or asphyxiating gases

11. Toxicological information

Acute oral toxicity : ATE mix (oral/rat) 5828 mg/kg (Not classified)
 Acute dermal toxicity : ATE mix (skin/rabbit) 7244 mg/kg (Not classified)
 Acute inhalation toxicity : ATE mix (inhale/rat) 11.38 mg/L/4 hr (Not classified)
 Skin corrosion / irritation : Causes skin irritation
 Serious eye damage/eye irritation : Causes eye irritation
 Respiratory sensitization : May cause allergy or asthma symptoms or breathing difficulties if inhaled

Skin sensitization	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Suspected of causing cancer
Reproductive toxicity	:	May damage fertility or the unborn child
STOT - single exposure	:	Causes damage to organs
STOT - repeated exposure	:	Causes damage to organs
Aspiration hazard	:	May be fatal if swallowed and enters airways

12. Ecological information

Acute aquatic hazard	:	Very toxic to aquatic life
Long-term aquatic hazard	:	Toxic to aquatic life with long lasting effects
Persistence and degradability	:	Not rapidly degradability
Bioaccumulative potential	:	Not available
Mobility in soi	:	Not available
Other adverse effects	:	Not available

13. Disposal considerations

Disposal methods	:	Dispose of contents in accordance with local/national and international regulations or handled by authorized waste collector in your country
Container Management	:	Dispose of container in accordance with all local, regional, national and international regulations.

14. Transport information

UN.Number	:	1263
ProperShippingName	:	Paint
UN.Class	:	3
PackingGroup	:	III
Environmentalhazards	:	NO
LandTransportation	:	Accord to each transportation under " ADR/RID code "
AirTransportation	:	Accord to each transportation under " ICAO/IATA code "
MaritimeTransportation	:	Accord to each transportation under " IMO/IMDG code "

15. Regulatory information

Thai regulation	:	Thai land Notification of Ministry of Industry Subject. List of hazardous substances B.E. 2556 (2013)
	:	Thai land Notification of Ministry of Labour Subject. List of hazardous chemicals B.E. 2556 (2013)

16. Other information

Created	:	April, 2021
References	:	<ol style="list-style-type: none"> 1) https://pubchem.ncbi.nlm.nih.gov/ 2) https://www.nite.go.jp/chem/english/ghs/all_fy_e.html 3) United Stated National Library of Medicine: ChemIDplus Lite (ID PLUS) http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?CHEM 4) New Jersey Department of Health (DOH) http://web.doh.state.nj.us/rtkhsfs/qrsearch.aspx. 5) International Uniform Chemical Information Database (IUCLID) http://ecb.jrc.ec.europa.eu/esis/index.php?PGM=dat 6) CHEMTRACK

<http://www.chemtrack.org/Chem-Result.asp>

7) SIGMA-ALDISH

<http://www.sigmaaldrich.com/MSDS/MSDS/DisplayMSDSPage.do?>

Occupational Safety & Health Administration (OSHA)

<http://www.osha.gov/dts/chemicalsampling/toc/chmcas.html>

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