

# SAFETY DATA SHEET



MATRIX CLEAR 2:1 M2070 EXTRA SOLID P/A

Rev.01/22

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

Product name : MATRIX CLEAR 2:1 M2070 EXTRA SOLID P/A  
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.  
Tel. : +66(0)2335-5555  
Fax. : +66(0)2312-8928  
Emergency telephone number : +66(0)235-5555 #1999

## 2. Hazards identification

### Classification of the substance or mixture

Flammable liquid and vapour	Category 3
Skin corrosion / Irritation	Category 2
Serious eyes damage / Eyes irritation	Category 2A
Reproductive toxicity	Category 1
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 2
Long-term aquatic hazard	Category 2

### GHS -Labelling

Pictogram symbols



Signal word : Danger

### Hazard statement

: H226 - Flammable liquid and vapour  
H304 - May be fatal if swallowed and enters airways  
H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H360 - May damage fertility or the unborn child  
H370 - Causes damage to organs single exposure  
H372 - Causes damage to organs through prolonged or repeated exposure  
H401 - 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.

P264 – Wash hand, mouth, etc. thoroughly after handling.  
 P270 - Do not eat, drink or smoke when using this product.  
 P273 - Avoid release to the environment.  
 P280 - Wear protective gloves/eye protection/face protection  
 P281 - Use personal protective equipment as required.

**Response**

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
 P302 + P352 - IF ON SKIN: Wash with plenty of soap and water  
 P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off  
 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 + P311 - IF exposed: Call a POISON CENTER or doctor/physician.  
 P308 + P313 - IF exposed or concerned: Get medical advice/attention.  
 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.  
 P337 + P313 - If eye irritation persists: Get medical advice/attention.  
 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	70 - 80
PM Acetate	108-65-6	5 - 10
Xylene	1330-20-7	5 - 10
Naphtha (Petroleum) light aromatic	64742-95-6	5 - 10

**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 in crease 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 closer 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**

Controlparameters : 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)  
PMI acetate  
OSHA : CAPEL TWA 100 ppm (541 mg/m3)  
CAPEL STEL 150 ppm (811 mg/m3)

Engineeringcontrols : Use only in a well-ventilated area. Use local exhaust ventilation

Personalprotection

Respirationprotection : Organic vapor respirator

Eye/Faceprotection : Safety google and face shield

Skinprotection : Wear protective clothing

Bodyprotection : 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, Clear  
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 : 0.97 – 0.99 g/cm<sup>3</sup>  
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 dioxide toxic or asphyxiating gases

## 11. Toxicological information

Acute oral toxicity : ATE mix (oral/rat) 35553 mg/kg (Not classified)  
Acute dermal toxicity : ATE mix (skin/rabbit) 20005 mg/kg (Not classified)  
Acute inhalation toxicity : ATE mix (inhale/rat) 11.82 mg/L/4 hr (Not classified)  
Skin corrosion / irritation : Causes skin irritation  
Serious eye damage/eye irritation : Causes serious eye irritation  
Respiratory sensitization : Not classified  
Skin sensitization : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : May damage fertility or the unborn child  
STOT - single exposure : Causes damage to organs single exposure  
STOT - repeated exposure : Causes damage to organs through prolonged or repeated exposure  
Aspiration hazard : May be fatal if swallowed and enters airways

## 12. Ecological information

Acute aquatic hazard : 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 soil : 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	:	June, 2022
References	:	
		1) <a href="https://pubchem.ncbi.nlm.nih.gov/">https://pubchem.ncbi.nlm.nih.gov/</a>
		2) <a href="https://www.nite.go.jp/chem/english/ghs/all_fy_e.html">https://www.nite.go.jp/chem/english/ghs/all_fy_e.html</a>
		3) United States National Library of Medicine: ChemIDplus Lite (ID PLUS) <a href="http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?CHEM">http://toxnet.nlm.nih.gov/cgi-bin/sis/htmlgen?CHEM</a>
		4) New Jersey Department of Health (DOH) <a href="http://web.doh.state.nj.us/rtkhsfs/qrsearch.aspx">http://web.doh.state.nj.us/rtkhsfs/qrsearch.aspx</a> .
		5) International Uniform Chemical Information Database (IUCLID) <a href="http://ecb.jrc.ec.europa.eu/esis/index.php?PGM=dat">http://ecb.jrc.ec.europa.eu/esis/index.php?PGM=dat</a>
		6) CHEMTRACK <a href="http://www.chemtrack.org/Chem-Result.asp">http://www.chemtrack.org/Chem-Result.asp</a>
		7) SIGMA-ALDRICH <a href="http://www.sigmaaldrich.com/MSDS/MSDS/DisplayMSDSPage.do?">http://www.sigmaaldrich.com/MSDS/MSDS/DisplayMSDSPage.do?</a> Occupational Safety & Health Administration (OSHA) <a href="http://www.osha.gov/dts/chemicalsampling/toc/chmcas.html">http://www.osha.gov/dts/chemicalsampling/toc/chmcas.html</a>

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