

# SAFETY DATA SHEET



MATRIX CLEAR 2:1 P/A

Rev.01/22

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

Product name : MATRIX CLEAR 2:1 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 2
Serious eyes damage / Eyes irritation	Category 2B
Specific target organ systemic toxicity-Single exposure	Category 3
Acute aquatic hazard	Category 3

### GHS -Labelling

Pictogram symbols



Signal word : Danger

**Hazard statement** : H225 - Highly flammable liquid and vapour  
H320 - Causes eye irritation  
H335 - May cause respiratory irritation; or  
H336 - May cause drowsiness or dizziness  
H402 - Harmful toxic to aquatic life

**Precautionary statement** : **Prevention**  
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.  
P261- Avoid breathing dust/fume/gas/mist/vapours/spray.  
Manufacturer/supplier or the competent authority to specify applicable conditions.  
P264 – Wash hand, mouth, etc. thoroughly after handling.  
P271 - Use only outdoors or in a well-ventilated area.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves/eye protection/face protection  
**Response**  
P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off  
P304 + P340 IF INHALED: 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.

P312 - Call a POISON CENTER or doctor/physician if you feel unwell.

P337 + P313 - If eye irritation persists: Get medical advice/attention.

P370 + P378 - In case of fire: Use appropriate media for extinction.

#### Storage

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.

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	75 - 85
PM Acetate	108-65-6	5 - 10
Butyl Acetate	123-86-4	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 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 spilled material. Shut off all ignition sources. No flames, 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** : 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)
- 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/HygienicPractices** : 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/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 dioxide toxic or asphyxiating gases

## 11. Toxicological information

Acute oral toxicity : ATE mix (oral/rat) 91174 mg/kg (Not classified)  
Acute dermal toxicity : ATE mix (skin/rabbit) 76191 mg/kg (Not classified)  
Acute inhalation toxicity : ATE mix (inhale/rat) 13.34 mg/L/4 hr (Not classified)  
Skin corrosion / irritation : Not classified  
Serious eye damage/eye irritation : Causes eye irritation  
Respiratory sensitization : Not classified  
Skin sensitization : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
STOT - single exposure : May cause respiratory irritation; or May cause drowsiness or dizziness  
STOT - repeated exposure : Not classified  
Aspiration hazard : Not classified

## 12. Ecological information

Acute aquatic hazard : Harmful toxic to aquatic life  
Long-term aquatic hazard : Not available  
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) <https://pubchem.ncbi.nlm.nih.gov/>
- 2) [https://www.nite.go.jp/chem/english/ghs/all\\_fy\\_e.html](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-ALDRICH  
<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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