

# SAFETY DATA SHEET



Rev.01/21

## MATRIX POLY PUTTY

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

Product name : MATRIX POLY PUTTY  
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 2
Specific target organ systemic toxicity-Single exposure	Category 3
Specific target organ systemic toxicity-Repeated exposure	Category 1
Aspiration Hazard	Category 1
Acute aquatic hazard	Category 2
Long-term aquatic hazard	Category 3

#### 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  
H320 - Causes eye irritation  
H335 May cause respiratory irritation  
H336 May cause drowsiness or dizziness  
H372 - Causes damage to organs through prolonged or repeated exposure  
H401 - Toxic to aquatic life  
H412 - Harmful to aquatic life with long lasting effects

#### 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.  
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 this product.

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

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 + 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.

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.

#### 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>
Polyester resin	Not Assigned	20 - 30
Styrene monomer	100-42-5	1 - 10
Titanium dioxide or Colouring Pigments	13463-67-7	1 - 10
Extender Pigments	-	60 - 65
Colouring Pigments	-	<0.2

### 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 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 : Styrene monomer  
OSHA : PEL TWA 100 ppm  
NIOSH : REL TWA 50 ppm (215 mg/m3)  
REL STEL 100 ppm (425 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 : Paste, Yellow

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	:	Not available
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) 36513 mg/kg (Not classified)
Acute dermal toxicity	:	ATE mix (skin/rabbit) 14605 mg/kg (Not classified)
Acute inhalation toxicity	:	ATE mix (inhale/rat) 86.17 mg/L/4 hr (Not classified)
Skin corrosion / irritation	:	Causes skin irritation
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	:	Causes damage to organs
Aspiration hazard	:	May be fatal if swallowed and enters airways

## 12. Ecological information

Acute aquatic hazard	:	Toxic to aquatic life
Long-term aquatic hazard	:	Harmful 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 : April, 2021  
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 States 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>

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.