SAFETY DATA SHEET

KURUMA MIXING COLOR SOLID

Rev.01/26

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

Product name	:	KURUMA MIXING COLOR SOLID
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
Emergencycy telephone number	:	+66(0)235-5555 #1999

2. Hazards identification

Classification of the substance or mixture

Flammable liquids	Category 2
Serious eyes damage / Eyes irritation	Category 2
Carcinogenicity	Category 2
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Aspiration Hazard	Category 1
Aquatic toxicity (Chronic) Long-term hazard	Category 2

Hazard symbols

Signal word : Danger

Hazard statement :

H225 Highly flammable liquid and vapour
H304 May be fatal if swallowed and enters airways
H319 Causes serious eye irritation
H335 May cause respiratory irritation
H336 May cause drowsiness or dizziness
H351 Suspected of causing cancer
H361 Suspected of damaging fertility or the unborn child
H411 Toxic to aquatic life with long lasting effects

Precautionary statement :

Prevention

P203 Obtain, read and follow all safety instructions before use
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/equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash hand, mouth, etc, thoroughly after handling
P265 Do not touch eyes
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 + P316 IF SWALLOWED: Get emergency medical help immediately
P303 + P361 + P353 IF ON SKIN: Remove/Take off immediately all contaminated clothing.Rinse skin with water/shower.
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.
P318 IF exposed or concerned,get medical advice
P319 Get medical help if you feel unwell.
P337 + P317 If eye irritation persists: Get medical help
P370 + P378 In case of fire: Use appropriate media for extinction.
P391 Collect spillage
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 in accordance with local/regional/nation/ international regulations.

3. Composition/information on ingredients

Chemical name	CAS No.	Concentration(%)
Acrylic resin	Proprietary	20 - 50
Xylene	1330-20-7	5 - 20
PM acetate	108-65-6	5 - 20
Butyl acetate	123-86-4	5 - 20
Methyl Isobutyl Ketone	108-10-1	10 - 20
Naphtha (Petroleum) light aromatic	64742-95-6	1 - 15
Ethylbenzene	100-41-4	1 - 10
Pigment	-	5 - 60

4. First aid measures.

General Advice : If symptoms persist, call a physiciam.
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 with out 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 enviromental 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) 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) PM acetate OSHA : CAPEL TWA 100 ppm (541 mg/m3) CAPEL STEL 150 ppm (811 mg/m3) MIBK OSHA : PEL-TWA 100 ppm (410 mg/m3) NIOSH : REL-TWA 50 ppm (205 mg/m3) REL-STEL 75 ppm (300 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
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 ^{0}C
Evaporation rate	:	Not available

Flammability (solid, gas)	:	Not available
Vapour pressure	:	Not available
Vapour density	:	Not available
Relative density at 25C	:	0.99 – 1.82 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) >5000 mg/kg (Not classified)
Acute dermal toxicity	:	ATE mix (skin/rabbit) >5000 mg/kg (Not classified)
Acute inhalation toxicity	:	ATE mix (inhale/rat) >5 mg/L/4 hr (Not classified)
Skin corrosion / irritation	:	Not classified
Serious eye damage/eye irritation	:	Causes serious eye irritation
Respiratory sensitization	:	Not classified
Skin sensitization	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Suspected of causing cancer
Reproductive toxicity	:	Suspected of damaging fertility or the unborn child
STOT - single exposure	:	May cause respiratory irritation, May cause drowsiness or dizziness
STOT - repeated exposure	:	Not classified
Aspiration hazard	:	May be fatal if swallowed and enters airways

12. Ecological information

Acute aquatic hazard	:	Not classified
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 : 2026

References :

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
8) ECHA.europa.eu
https://chem.echa.europa.eu/

SAFETY DATA SHEET

KURUMA MIXING COLOR METALLIC

Rev.01/26

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

Product name	:	KURUMA MIXING COLOR METALLIC
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
Emergencycy telephone number	:	+66(0)235-5555 #1999

2. Hazards identification

Classification of the substance or mixture

Flammable liquids	Category 2
Serious eyes damage / Eyes irritation	Category 2
Carcinogenicity	Category 2
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Aspiration Hazard	Category 1
Aquatic toxicity (Chronic) Long-term hazard	Category 2

Hazard symbols

Signal word : Danger

Hazard statement :

H225 Highly flammable liquid and vapour
H304 May be fatal if swallowed and enters airways
H319 Causes serious eye irritation
H335 May cause respiratory irritation
H336 May cause drowsiness or dizziness
H351 Suspected of causing cancer
H361 Suspected of damaging fertility or the unborn child
H411 Toxic to aquatic life with long lasting effects

Precautionary statement :

Prevention

P203 Obtain, read and follow all safety instructions before use
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/equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash hand, mouth, etc, thoroughly after handling
P265 Do not touch eyes
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 + P316 IF SWALLOWED: Get emergency medical help immediately
P303 + P361 + P353 IF ON SKIN: Remove/Take off immediately all contaminated clothing.Rinse skin with water/shower.
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.
P318 IF exposed or concerned,get medical advice
P319 Get medical help if you feel unwell.
P337 + P317 If eye irritation persists: Get medical help
P370 + P378 In case of fire: Use appropriate media for extinction.
P391 Collect spillage
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 in accordance with local/regional/nation/ international regulations.

3. Composition/information on ingredients

Chemical name	CAS No.	Concentration(%)
Acrylic resin	Proprietary	20 - 30
Xylene	1330-20-7	20 - 30
PM acetate	108-65-6	5 - 15
Butyl acetate	123-86-4	5 - 15
Methyl Isobutyl Ketone	108-10-1	1 - 5
Naphtha (Petroleum) light aromatic	64742-95-6	1 - 5
Aluminium paste / Mica	7429-90-5	15 - 25

4. First aid measures.

General Advice : If symptoms persist, call a physiciam.
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 with out 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 enviromental 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)

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)

PM acetate

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

MIBK

OSHA : PEL-TWA 100 ppm (410 mg/m3)
NIOSH : REL-TWA 50 ppm (205 mg/m3)
REL-STEL 75 ppm (300 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
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 ^{0}C
Evaporation rate	:	Not available
Flammability (solid, gas)	:	Not available

Vapour pressure	:	Not available
Vapour density	:	Not available
Relative density at 25C	:	1.02 – 1.08 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) >5000 mg/kg (Not classified)
Acute dermal toxicity	:	ATE mix (skin/rabbit) >5000 mg/kg (Not classified)
Acute inhalation toxicity	:	ATE mix (inhale/rat) >5 mg/L/4 hr (Not classified)
Skin corrosion / irritation	:	Not classified
Serious eye damage/eye irritation	:	Causes serious eye irritation
Respiratory sensitization	:	Not classified
Skin sensitization	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Suspected of causing cancer
Reproductive toxicity	:	Suspected of damaging fertility or the unborn child
STOT - single exposure	:	May cause respiratory irritation, May cause drowsiness or dizziness
STOT - repeated exposure	:	Not classified
Aspiration hazard	:	May be fatal if swallowed and enters airways

12. Ecological information

Acute aquatic hazard	:	Not classified
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 : 2026

References :

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
8) ECHA.europa.eu
https://chem.echa.europa.eu/