

SAFETY DATA SHEET



KURUMA CLEAR 4:1 K-SILVER P/A

Rev.01/22

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

Product name : KURUMA CLEAR 4:1 K-SILVER 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 |
| Skin corrosion / Irritation | Category 2 |
| Serious eyes damage / Eyes irritation | Category 2 |
| Respiratory senditation | Category 1 |
| Carcinogenicity | Category 2 |
| Reproductive toxicithy | 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
H319 - Causes serious eye irritation
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
H351 - Suspected of causing cancer
H360 - May damage fertility or the unborn child
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 - IF ON SKIN: Wash with plenty of soap and water
P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off
P304 + P341 - IF 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 + 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.
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 | 55 - 65 |
| Xylene | 1330-20-7 | 20 - 30 |
| 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 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 spilled 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)
- 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, 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 | : | 0.94 – 0.96 g/cm ³ |
| 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) 9236 mg/kg (Not classified) |
| Acute dermal toxicity | : | ATE mix (skin/rabbit) 11418 mg/kg (Not classified) |
| Acute inhalation toxicity | : | ATE mix (inhale/rat) 29.51 mg/L/4 hr (Not classified) |
| Skin corrosion / irritation | : | Causes skin irritation |
| Serious eye damage/eye irritation | : | Causes serious 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 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 | : | 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

| | | |
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| Created | : | Jun, 2022 |
| 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-ALDRICH http://www.sigmaldrich.com/MSDS/MSDS/DisplayMSDSPage.do? Occupational Safety & Health Administration (OSHA) http://www.osha.gov/dts/chemicalsampling/toc/chmcas.html |

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