SAFETY DATA SHEET

TOAPC

KURUMA CLEAR 4:1 K4090 P/A

Rev.01/22

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

Product name : KURUMA CLEAR 4:1 K4090 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

Emergenycy 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 Respiratory sensitation Category 1 Reproductive toxicity 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 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

H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

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.

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 ordoctor/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

Chemical name	CAS No.	Concentration(%)
Acrylic resin	Proprietary	55 - 65
Xylene	1330-20-7	25 - 30
Naphtha (Petroleum) light aromatic	64742-95-6	5 - 10

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

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 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)

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

Engineeringcontrols 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 polling point and polling
rance
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 : 0.93 – 0.95 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) 15262 mg/kg (Not classified)

Acute dermal toxicity : ATE mix (skin/rabbit) 15106 mg/kg (Not classified)

Acute inhalation toxicity : ATE mix (inhale/rat) 74.672 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 : 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 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 : Jun , 2022

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

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