

# SAFETY DATA SHEET



Rev.01/26

## KURUMA ACRYLIC THINNER

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

Product name : KURUMA ACRYLIC THINNER  
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 liquids	Category 2
Acute toxicity : Oral	Category 5
Acute toxicity : Dermal	Category 5
Serious eyes damage / Eyes irritation	Category 2
Skin sensitiation	Category 1
Germ cell mutagenicity	Category 2
Carcinogenicity	Category 2
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 1
Specific target organ toxicity(repeated exposure)	Category 2
Aspiration Hazard	Category 1
Aquatic toxicity (Chronic) Long-term hazard	Category 3

Hazard symbols



Signal word : Danger

**Hazard statement** : H225 Highly flammable liquid and vapour  
H303 May be harmful if swallowed  
H304 May be fatal if swallowed and enters airways  
H313 May be harmful in contact with skin  
H317 May cause an allergic skin reaction  
H319 Causes serious eye irritation  
H341 Suspected of causing genetic defects  
H351 Suspected of causing cancer  
H361 Suspected of damaging fertility or the unborn child  
H370 Causes damage to organs single exposure  
H373 May cause damage to kidney and liver through prolonged or repeated exposure  
H412 Harmful 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  
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  
 P265 Do not touch eyes  
 P270 Do not eat, drink or smoke when using this product.  
 P272 Contaminated work clothing should not be allowed out of the workplace.  
 P273 Avoid release to the environment  
 P280 Wear protective gloves/eye protection/face protection

**Response**

- P301 + P316 IF SWALLOWED: Get emergency medical help immediately  
 P301 + P317 IF SWALLOWED: Get medical help  
 P302 + P352 IF ON SKIN:Wash with plenty of soap and water.  
 P303 + P361 + P353 IF ON SKIN: Remove/Take off immediately all contaminated clothing.Rinse skin with water/shower.  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P308 + P316 IF exposed or concerned: Get medical help immediately.  
 P317 Get medical help  
 P318 IF exposed or concerned,get medical advice  
 P319 Get medical help if you feel unwell.  
 P321 Specific treatment (See on First Aid Measures)  
 P323 Specific treatment (See on First Aid Measures)  
 P337 + P317 If eye irritation persists: Get medical help  
 P370 + P378 In case of fire: Use appropriate media for extinction.

**Storage**

- 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**

<u>Chemical name</u>	<u>CAS No.</u>	<u>Concentration(%)</u>
Toluene	108-88-3	65 - 70
Butyl cellosolve	111-76-2	10 - 15
Acetone	67.64-1	5 - 10
Ethyl acetate	141-78-6	5 - 10
Methanol	67-56-1	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 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 spill 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 : Toluene  
OSHA : PEL-TWA 200 ppm  
NIOSH : REL-TWA 100 ppm (375 mg/m3)  
REL-STEL 150 ppm (560 mg/m3)  
Butyl Cellosolve  
OSHA : PEL TWA 50 ppm (240 mg/m3)  
NIOSH : REL-TWA 5 ppm (24 mg/m3)  
Acetone  
OSHA : PEL-TWA 1000 ppm (2400 mg/m3)  
NIOSH : REL-TWA 250 ppm (590 mg/m3)  
Methanol  
OSHA : PEL TWA 200 ppm (260 mg/m3)  
NIOSH : REL TWA 200 ppm (260 mg/m3)  
REL STEL 250 ppm (325 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)  
Ethyl acetate  
OSHA : PEL TWA 400 ppm (1400 mg/m3)  
NIOSH : REL TWA 400 ppm (1400 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	:	0.83 – 0.85 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) 2359 mg/kg (Category 5)
Acute dermal toxicity	:	ATE mix (skin/rabbit) 2627 mg/kg (Category 5)
Acute inhalation toxicity	:	ATE mix (inhale/rat) 11.31 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	:	May cause an allergic skin reaction
Germ cell mutagenicity	:	Suspected of causing genetic defects
Carcinogenicity	:	Suspected of causing cancer
Reproductive toxicity	:	Suspected of damaging fertility or the unborn child
STOT - single exposure	:	Causes damage to organs single exposure
STOT - repeated exposure	:	May cause damage to kidney and liver through prolonged or repeate
Aspiration hazard	:	May be fatal if swallowed and enters airways

## 12. Ecological information

Acute aquatic hazard	:	Not classified
Long-term aquatic hazard	:	Harmful to aqua 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](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/qsearch.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>
- 8) ECHA.europa.eu  
<https://chem.echa.europa.eu/>

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