

MATERIAL SAFETY DATA SHEET

Captain Lacquer Thinner CT71

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name and/or code Captain Lacquer Thinner CT71
 Type of Product Thinner
 Company Name Captain Coating Co.,Ltd.
 Address 906 Moo 15 Bangsaothong, King Amphur Bangsoathong
 Samutprakarn 10570, Thailand
 Tel. : 0-27061792-6
 Fex : 0-27061791

2. HAZARDS IDENTIFICATION

Physical Hazard	: Flammable liquid	Category 1
Health Hazard	: Acute toxicity (Oral / LD50)	Category 5
	: Acute toxicity (Dermal / LD50)	Not Classified
	: Acute toxicity (Inhalation: vapours)	Category 4
	: Skin corrosion / Irritation	Category 3
	: Serious eyes damage / Eyes irritation	Category 1
	: Respiratory and skin sensitization	Category 1A
	: Germ cell mutagenicity	Not Classified
	: Carcinogenicity	Category 2
	: Reproductive toxicity	Category 2
	: Specific target organ systemic toxicity-Single exposure	Category 2
	: Specific target organ systemic toxicity-Repeated exposure	Category 2
	: Aspiration Hazard (Airways)	Category 2
	: Acute aquatic toxicity	Category 3
: Chronic aquatic toxicity	Category 3	
	: Hazard to the ozone layer	Not Classified

Pictograms



Signal word Danger

Safety Data Sheet (SDS)

Hazard statements

1. Extremely flammable liquid and vapour
2. May be harmful if swallowed
3. Harmful if inhaled
4. Causes mild skin irritation
5. Causes serious eye damage
6. May cause allergy or asthma symptoms or breathing difficulties if inhaled
7. Suspected of causing cancer
8. Suspected of damaging fertility or the unborn child
9. May causes damage to respiratory tract and central nervous system
10. May causes damage to respiratory tract and central nervous system through prolonged or repeated exposure
11. May be harmful if swallowed and enters airways
12. Harmful to aquatic life
13. Harmful to aquatic life with long lasting effects

Precautionary Statements

1. Read label before use. DO NOT handle until all safety precautions have been read and understood.
2. Wear protective gloves / protective clothing / eye protection / face protection. Wear respiratory protection.
3. Use product only on objects. DO NOT use with human and animal.
4. DO NOT eat this product. Keep this product away from food, drink and animal feeding stuffs. IF SWALLOWED, DO NOT induce vomiting and seek medical advice immediately.
5. DO NOT eat, drink or smoke when using this product.
6. DO NOT breathing vapors or spray mist. IF INHALATION: Remove to adequate ventilation place and support breathing as needed. In case of faint, must recuperate the patient and seek medical advice immediately.
7. Avoid direct contact. Wash the exposed thoroughly after handling. IF ON SKIN: Wash with plenty of soap and water. DO NOT use solvent or thinner and seek medical advice immediately.
8. IF IN EYES: Flush with plenty of water for at least 15-20 minutes and seek medical advice immediately.
9. If you feel unwell: Call a POISON CENTER or doctor/physician.
10. Use and store this product in dry and a well-ventilated place.
11. Product may cause electrostatic force, always use ground connection and antistatic protective clothes when pouring this product out of container.
12. Keep this product in provided container only.
13. Keep container tightly closed. Keep out of reach of children.
14. Keep away from heat / sparks / open flames / hot surfaces / direct sunlight. In case of fire: Use foam, dry chemical, water spray for extinction. DO NOT use water in a jet.
15. Keep product away from oxidizing agents, acidic and alkaline substances.
16. Move product with careful, always carry with the top cover stand upright.
17. In case of leakage, use nonflammable absorbent such as dried sand or soil and clean surface with powdered detergent. DO NOT use thinner or solvent.
18. Avoid release paint or used container to water drain or natural water resource.
19. Used container dispose as chemical contaminate waste according to local regulation or standard regulation.

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Factory: 906 M.15 Thaparak Road, T. Bangsaothong, A. Bangsaothong, Samutpakarn 10570 Tel. 02-706-1792-7 Fax. 02-706-1791
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3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS no.	EC Number	%
1.Toluene	108-88-3	203-625-9	54.6 - 57.4
2 Ethyl Acetate	141-78-6	607-022-00-5	16.6 - 17.4
3 Butyl Acetate	123-86-4		10.2 - 10.8
4 Butyl Cellosolve	111-76-2	603-014-00-0	6.3 - 6.7
5 Iso Butanol (IBA)	78-83-1	201-148-0	4.9
6 Isopropyl Alcohol (IPA)	67-63-0	603-117-00-0	2.9
7 Methyl Isobutyl Ketone (MIBK)	108-10-1	660-004-00-4	2

4. FIRST AID MEASURES

General	: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Give nothing by mouth. If unconscious place in recovery position and seek medical advice.
Skin contact	: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
Eye Contact	: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open.
Ingestion	: If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do not induce vomiting.

5. FIRE FIGHTING MEASURES

Extinguishing Media	: Recommended: alcohol resistant foam, CO ₂ , powders, water spray. Not to be used : waterjet.
Recommendations	: Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water. Do not release runoff from fire to sewers or waterways.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	: Exclude sources of ignition and ventilate the area. Avoid breathing vapour or mist. Refer to protective measures listed in sections 7 and 8.
Spill	: Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Do not allow to enter drains or watercourses. Clean preferably with a detergent; avoid use of solvents. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

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7. HANDLING AND STORAGE

Handling	<p>: Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. To dissipate static electricity during transfer, earth drum and connect to receiving container with bonding strap. Operators should wear anti-static footwear and clothing and floors should be of the conducting type. Keep container tightly closed. Keep away from heat, sparks and flame. No sparking tools should be used. Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates and spray mist arising from the application of this preparation. Avoid inhalation of dust from sanding. Eating, drinking and smoking should be prohibited in area where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Put on appropriate personal protective equipment (see Section 8). Never use pressure to empty : container is not a pressure vessel. Always keep in containers of same material as the original one. Comply with the health and safety at work laws. When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limits.</p>
Storage	<p>: Store in accordance with local regulations. Observe label precautions. Store in a cool, well-ventilated area away from incompatible materials and ignition sources. Keep away from: oxidising agents, strong alkalis, strong acids. No smoking. Prevent unauthorised access. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Do not empty into drains.</p>

8. EXPOSURE CONTROLS , PERSONAL PROTECTION

Engineering measures	<p>Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.</p>
Ingredient name	
Reaction product	
: Toluene	<p>LD 50 5000 mg/kg TLV-TWA 50 ppm (210 mg/m³) TLV-STEL 150 ppm (655 mg/m³)</p>
Personal protective equipment	
Respiratory system	<p>: If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators. Use respiratory mask with charcoal and dust filter when spraying this product (as filter combination A2-P2). In confined spaces use compressed air or fresh air respiratory equipment. When use of roller or brush, consider use of charcoal filter (A2).</p>
Skin and body	<p>: Personnel should wear anti-static clothing made of natural fibre or of high temperature resistant synthetic fibre.</p>

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Hands : For prolonged or repeated handling, use gloves: polyvinyl alcohol or nitrile.
: Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred. For right choice of glove materials, with focus on chemical resistance and time of penetration, seek advice by the supplier of chemical resistant gloves.

Eyes : Use safety eyewear designed to protect against splash of liquids.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Liquid
Color : Clear
Flash Point : 12 °C (Closed cup)
Odor : Solvent smell
Specific Gravity : 0.832-0.859 g/cm³
Water Solubility : Insoluble

10. STABILITY AND REACTIVITY

Chemical Stability : Stable under normal temperatures and pressures.
Conditions to Avoid : Heat, flame and freezing or temperatures below 0 °C
Incompatible Materials : Oxidizing agents, Strong acids and alkalis.
Hazardous Decomposition Products : Carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

11. TOXICOLOGICAL INFORMATION

Classification according to the GHS

Oral : ATE = 3,379.39 mg/kg
Rat (LD50) (mg/kg) or ATE
Dermal : ATE = 6,057.14 mg/kg
Rabbit (LD50) (mg/kg) or ATE
Inhalation : ATE = 13.98 mg/L
Rat (LC50) (mg/L) or ATE
Skin corrosion/irritation : Causes mild skin irritation.
Serious eye damage/eye irritation : Causes serious eye irritation
Respiratory or skin sensitization : May cause allergy or asthma symptoms or breathing difficulties if inhaled
Germ cell mutagenicity : Not Classified
Carcinogenicity : Suspected of causing cancer
Reproductive toxicity : Suspected of damaging fertility or the unborn child
Specific target organ toxicity - single exposure : May cause damage to respiratory tract and central nervous system
Specific target organ toxicity - repeated exposure : May cause damage to respiratory tract and central nervous system through prolonged or repeated exposure
Aspiration hazard : May be harmful if swallowed and enters airways

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12. Ecological information

Hazardous to

Acute the aquatic environment	Harmful to aquatic life with long lasting effects
Chronic the aquatic environment	Not Classified
the ozone layer	Not Classified

13. DISPOSAL CONSIDERATIONS

Method of disposal

The generation of waste should be avoided or minimised wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Material and/or container must be disposed of as hazardous waste European waste catalogue (EWC)

08 01 11	Waste paint and varnish containing organic solvents or other dangerous substances
08 01 17	Wastes from paint or varnish removal containing organic solvents or other dangerous substances

14. TRANSPORT INFORMATION

UN No.	1263
Class Primary	3 Flammable Liquid
Packing Group	II
Proper Shipping Name	Paint
Label	



ADR/RID: Viscous substance. Not restricted, ref. chapter 2.2.3.1.5 (applicable to receptacles < 450 litre capacity)

IMDG: Viscous substance. Transport in accordance with paragraph 2.3.2.5 (applicable to receptacles <30 litre capacity).

15. Regulatory information

: HAZARDOUS SUBSTANCE ACT, B.E. 2535 (1992)

Thai Regulations

: Notification of Ministry of Industry Subject: Hazard Classification and 2555 (2012) Communication System of Hazardous Substances B.E.

16. OTHER INFORMATION

Disclaimer The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.

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