



MSDS

XC-1000JC

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **XC-1000JC**
Manufacturer: Gymcol Adhesives (Pinghu) Co Ltd
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2. COMPOSITION (Information on ingredients)

Substances that are a health risk according Rules and Regulations on Dangerous Substances

<u>EC Num.</u>	<u>CAS Num.</u>	<u>EINECS Num.</u>	<u>Name</u>	<u>Concentrate %</u>	<u>Symbols</u>	<u>R phrases</u>
601021003	108-88-3	203-625-9	Toluene	>1% <=5%	F Xn	R11 R20
601008002	142-82-5	205-563-8	n-heptane	>30% <=60%	F Xi Xn N	R11 R38 R65-67 R51/53
603025000	109-99-9	203-726-8	Tetrahydrofurane	>1% <=5%	F Xi	R11 R19 R36-37

3. HAZARDS IDENTIFICATION

Highly flammable.
Irritating to eyes.
Repeated exposure may cause skin dryness or cracking.
Vapours may cause drowsiness and dizziness.

4. FIRST AID MEASURES


- 4.1. General: In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.
- 4.2. Inhalation: Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration. Do not administer anything orally. If unconscious, place them in a suitable position and seek medical assistance.
- 4.3. Skin contact: Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. NEVER use solvents or thinners.
- 4.4. Eye contact: If wearing contact lenses, remove them. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance
- 4.5. Ingestion: If accidentally ingested, seek immediate medical attention. Keep calm. NEVER induce vomiting. ep calm. NEVER induce vomiting.

5. FIRE FIGHTING MEASURES

- 5.1. Recommended extinguishing methods. Extinguisher powder or CO₂. In case of more serious fires, also alcohol-resistant foam and water spray. Do not use a direct stream of water to extinguish.
- 5.2. Fire protection equipment.: According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks.
- 5.3. Other recommendations Fire can cause thick, black smoke. As a result of thermal decomposition, dangerous products can form: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products can be harmful to your health Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways

6. ACCIDENTAL RELEASE MEASURES

- 6.1. Individual precautions: Eliminate possible ignition points and ventilate the area. Avoid breathing fumes. For exposure control and individual protection measures, see section 8.
- 6.2. Environmental protection precautions: Prevent the contamination of drains, surface or subterranean waters, and the ground. In case of large spills or if the product contaminates lakes, rivers, or sewers, inform the responsible authorities according to local legislation.
- 6.3. Cleaning methods.: Pick up the spill with non-combustible absorbent materials (soil, sand, vermiculite, diatomite, etc.). Keep

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remains in a closed container. For later elimination of waste, follow the recommendations under section 13.

7. HANDLING AND STORAGE

7.1. Handling: The fumes are heavier than air and can spread across the ground. They can form explosive mixtures with air. Prevent the creation of flammable or explosive fume concentrations in the air; prevent fume concentrations above work exposure limits. The preparation must only be used in areas where all unprotected flames and other ignition points have been eliminated. Electrical equipment has to be protected according to applicable standards.

The preparation can be electrostatically charged: always use earth grounds when transferring the product. Operators must use anti-static footwear and clothing, and floors must be conductors.

Keep the container tightly closed and isolated from heat sources, sparks, and fire. Do not use tools that can cause sparks.

Prevent the preparation from contacting the skin or eyes. Avoid the inhalation of fumes and mists that form when spraying.

For personal protection, see section 8. Never use pressure to empty the containers. They are not pressure-resistant containers.

In the application area, smoking, eating, and drinking must be prohibited.

Follow legislation on occupational health and safety.

Keep the product in containers made of a material identical to the original.

7.2 Storage.: Store according to local legislation. Observe indications on the label. Store the containers between 5 and 35 °C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorized persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Measures of a technical nature: Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system. If this were not enough to keep the particulate and fume concentrations of the solvent below the work exposure limit, suitable breathing equipment must be used

8.2. Exposure limits:

Name	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Tetrahydrofuran	200	590	250	737
Toluene	100	375	150	560
n-Heptane			400	1620


* According to the list of Limit Environmental Professional Exposure Values adopted by the National Institute for Safety and Hygiene at Work for the year 2004.

8.3.1. Breathing protection.: When workers are subjected to concentrations above the exposure limit, they must use suitable and officially approved equipment. Use active carbon masks.

8.3.2. Hand protection: For prolonged or repeated contact, use polyvinyl alcohol or nitrile rubber types of gloves. Protective creams can help to protect exposed areas of the skin. These creams must **NEVER** be applied once exposure has occurred.

8.3.3. Eye protection: Use protective goggles especially designed to protect against liquid splatters. Install emergency eyewashes near the use area.

9. PHYSICAL AND CHEMICAL PROPERTIES

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Colour: yellow to brown
Odour: Characteristic
Boiling point/range: +55 °C
Melting point/range:
Ignition temperature:
Flash point: < -10 °C
Explosibility limits in air : LEL: 1.2%
 UEL: 13 %

Vapour pressure:
Density: 0.78-0.83g/mL at 23 °C
Solubility in water: Not soluble.
Solubility in other solvents: Miscible in organic solvents.
pH: Not applicable.
Viscosity: 200-400 mPa.s at 25 °C

10. STABILITY AND REACTIVITY

- 10.1. General information: Stable under the recommended handling and storage conditions (see section 7).
- 10.2. Conditions to avoid: In the presence of air/oxygen it can build peroxides..
- 10.3. Conditions to avoid: Keep away from oxidising agents and from highly alkaline or acidic materials in order to prevent exothermic reactions.
- 10.4. Hazardous decomposition products: In case of fire, dangerous decomposition products can be generated, such as carbon monoxide and dioxide and nitrogen fumes and oxides.

11. TOXICOLOGICAL INFORMATION

- 11.1. General information: There are no tested data available on the product
- 11.2. Exposure:
- Inhalation: . Exposure to concentrations of solvent fumes above the work exposure limit can have negative effects (for example, irritation of the mucous membranes and respiratory system, adverse effects on the kidneys, liver, and the central nervous system). Among the symptoms are headaches, vertigo, fatigue, muscular weakness, drowsiness, and in extreme cases, unconsciousness.
- Ingestion: Harmful.
- Skin and eye contact: Repeated or prolonged contact with the preparation can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the preparation through the skin. Splatters in the eyes can cause irritation and irreversible damage. Its repeated or prolonged contact with the skin or mucous membranes can cause irritant symptoms such as reddening of the skin, blisters, or dermatitis. Some of the symptoms may not be immediate. They can cause allergic reactions on the skin.

12. ECOLOGICAL INFORMATION

- 12.1. General information: There are no tested data available on the preparation
- 12.2. Water toxicity . The product must not be allowed to go into sewers or waterways.
- 12.3. Additional ecologic information Prevent penetration into the ground. Prevent the emission of solvents into the atmosphere.

13. DISPOSAL CONSIDERATIONS

Dispose must be specially treated in accordance with local or national regulations. Contaminated containers must be treated in the same way. Unaffected packaging can be treated as household garbage.

14. TRANSPORT INFORMATION

- 14.1 Land transport ADR/RID: Class 3, packaging group III
14.2 Sea transport IMDG/GGV: Class 3, packaging group III
14.3 Air transport ICAO/IATA: Class 3, packaging group III

14.4 Additional information: N°UN 1133 Adhesives. The classified merchandise as incendiary fuel (sticky) can be transported in amounts limited according to the exemptions indicated in chapter 3,4 of the ADR. In order to fulfil these exemptions, Packing combined with inner packages of Maxim capacity of 5 liters and up to 30 liters by bulk or packing will be used.

14.5. Labels:



15. REGULATORY INFORMATION

15.1. In accordance with Directive 255/2003, Rules and Regulations for Dangerous Preparations, the preparation is labelled as follows:

F

F fácilmente inflamable

Xi

Irritante

15.2. R Phrases:

- R11 Highly flammable.
R20 Harmful by inhalation
R36 Irritating to eyes.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

15.3. S phrases:


Professional

- S9 Keep container in a well-ventilated place.
S16 Keep away from sources of ignition - No smoking.
S24 Avoid contact whit skin.
S43 In case of fire, use Extinguisher powder or CO₂.
S51 Use only in well-ventilated areas.
S60 This material and its container must be disposed of as hazardous waste.

General Public

- S2** **Keep out of the reach of children.**
(for consumer market only)
S9 Keep container in a well-ventilated place.
S16 Keep away from sources of ignition - No smoking.
S24 Avoid contact whit skin.
S46 In case of fire, use
S51 Use only in well-ventilated areas.

15.4. Additional information about the labelled: If the content of the package is not superior to 125 ml, it will not be necessary to indicate phrases R nor phrases S.

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16. OTHER INFORMATION

Complete text of the R phrases that appear in section 2:

11	Highly flammable.
36	Irritating to eyes.
38	Irritating to skin.
65	Harmful: may cause lung damage if swallowed.
66	Repeated exposure may cause skin dryness or cracking.
67	Vapours may cause drowsiness and dizziness.
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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