

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:**..... JALAFIX ADHESIVE  
**PRODUCT CODE:**..... JALAFIX ADHESIVE  
**CHEMICAL FAMILY:**..... CYANOACRYLATE

**MANUFACTURER:**

JALASANJ Company Ltd  
49No, Mokhtari St, 17shahrivar St, Shadabad  
Fath Highway (old karaj road) at 5km,  
TEHRAN, IRAN  
Phone Number: +98-21-66802834  
[www.jalasanj.com](http://www.jalasanj.com)

**2. HAZARDS IDENTIFICATION**

Bonds skin and eyelids in seconds. Highly reactive in water

**3. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS**

<u>INGREDIENT NAME</u>	<u>CAS #</u>	<u>CONCENTRARION (%)</u>
Ethyl cyanoacrylate	007085850	< 90
Polyalkylmethacrylate	-----	< 15
Stabilizers and crosslinking agents	-----	< 1

**4. FIRST AID MEASURES**

**FIRST AID FOR EYES:**..... If the eye is bonded closed, cover eye with a warm wet pad to release eyelashes. Cyanoacrylate will bond with eye protein causing a lachrymatory effect which should help to debond adhesive. Keep eye covered with a wet pad until debonding is complete usually within 1-3 days. Do not force eye open. Seek medical advice.

**FIRST AID FOR SKIN:**..... Do not pull bonded skin apart. Soak in warm soapy water then try and part gently using a blunt object such as a spoon.

**FIRST AID FOR INHALATION:**..... Remove affected person to fresh air.

**FIRST AID FOR INGESTION:**..... Ensure that the breathing passage are not obstructed. The product will polymerize immediately in the mouth making the product almost impossible to swallow. Saliva will slowly separate the solidified product from the mouth (will take several hours).

**5. FIRE FIGHTING MEASURES**

**EXTINGUISHING MEDIA:**..... Foam, Carbon Dioxide (CO<sub>2</sub>), dry powder.

**SPECIAL FIRE FIGHTING PROCEDURES:**..... Trace amounts of toxic fumes may be released on incineration and the use of breathing apparatus is recommended.

**6. ACCIDENTAL RELEASE MEASURES**

**SPILL CLEANUP METHODS:**..... Ventilate area; do not use cloths for mopping up.  
Polymerize with water and scrape off floor.

**7. HANDLING AND STORAGE**

**USAGE PRECAUTIONS:**..... Ventilate (low level) is recommended when using large volumes or where odour becomes apparent (odour threshold value is approx. 1-2ppm)

**STORAGE PRECAUTIONS:**..... Store in original containers at 5°C to 28°C. Do not return residual material to containers as contamination may reduce shelf life.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**EYE PROTECTION:**..... Safety glasses or goggles should be worn if there is risk of splashing.

**VENTILATION:**..... the TLV for the closely related methyl cyanoacrylate is 2ppm

**GENERAL:**..... Polythene or polypropylene gloves are recommended. Do not use PVC nylon or rubber.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE:**..... Clear colorless liquid

**VISCOSITY:**..... 1200-1700 cps

**ODOR:**..... Sharp Characteristic

**BOILING POINT:**..... >100°C

**SOLUBILITY IN WATER:**..... immiscible (rapidly polymerized by water)

**SPECIFIC GRAVITY:**..... 1:1

**10. STABILITY AND REACTIVITY**

**STABILITY:**..... Polymerization will occur in the presence of moisture.

**11. TOXICOLOGICAL INFORMATION**

**HEALTH WARNINGS:**..... Bonds skin in seconds. Due to polymerization, allergic skin reaction is not considered possible.

**ROUTE OF ENTRY:**..... In a dry atmosphere vapors may irritate the eyes and respiratory system.

**TARGET ORGANS:**..... Liquid product will bond eyelids. Impossible to swallow as it rapidly polymerizes in the mouth.

**HEALTH HAZARDS:**..... Prolonged exposure to high concentration of vapors may lead to chronic effects in sensitive individuals.

**12. ECOLOGICAL INFORMATION**

**ENVIRONMENTAL HAZARDS:**..... Biodegradable, with of low toxicity.

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHODS:**..... Polymerize by adding slowly to water (10:1). Dispose of the insoluble, non-toxic solid in an authorized landfill or incinerate under controlled conditions. Dispose of in accordance with local and national regulations.

**14. TRANSPORTATION INFORMATION**

**ROAD:**  
UN No: 1993  
ADR CLASS: 3  
ADR LABEL 3 Item 32(c)  
LABEL FOR CONVEYANCE: inflammable liquid Class 3

**SEA:** Not Classifies

**AIR:** Not Classifies

**15. REGULATOR INFORMATION**

**LABELING(EC):**..... Cyanoacrylate  
Danger Bonds Skin in seconds.

**RISK PHRASES:**..... None

**SAFETY PHRASES:**..... S2 Keep out of reach of children

**16. OTHER INFORMATION**

The information contained in this Data Sheet is provided in accordance with the Chemicals (Hazard Information and Packaging for Supply) Regulations 1994 (as amended in 1996), for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided. This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with legal regulations. The information contained herein is based on the current state of our knowledge and is intended to describe products from the point of view of safety requirements and thus should not be construed as guaranteeing specific properties.

**Please ensure that it is passed to the appropriate person(s) in your company, who are capable of acting on the information.**