

# MSDS - Material Safety Data Sheet

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**24-HOUR EMERGENCY**  
**CHEM-TEL, INC.**  
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**Product I.D. No.:** =====  
NGCA500CP1  
CYANOACRYLATE 500cps

EFFECTIVE DATE: 3/5/04    DATE PREPARED: 3/5/04

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This Material Safety Data Sheet contains environmental, health and toxicology information for your employees. Please make sure this information is given to them. It also contains information to help you meet community Right To Know emergency response reporting requirements under SARA TITLE III and many other laws. If you resell this product, this MSDS must be given to the buyer or the information incorporated in your MSDS.

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This MSDS complies with 29 CFR 1910.1200 (The Hazard Communication Standard)

## SECTION 1 - PRODUCT IDENTIFICATION=====

PRODUCT DESCRIPTION: NGCA500CPS1 CYANOACRYLATE 500cps 1oz.  
D.O.T. PROPER SHIPPING NAME: ORM-D CONSUMER COMMODITY

NFPA CODES: HEALTH - 2    FLAMMABILITY - 2    REACTIVITY - 1

## SECTION 2 - COMPONENTS=====

<u>Component</u>	<u>% by volume</u>	<u>TLV (OSHA)</u>
Ethyl Cyanoacrylate	90-99	None
Poly Methyl Methacrylate CAS#: 9011-14-7	1-10	None
Hydroquinone CAS#: 123-31-9	0.1-0.5	2 mg/m3

## SECTION 3 - PHYSICAL DATA=====

PHYSICAL STATE:	Colorless liquid with slight pungent odor
BOILING POINT FOR PRODUCT:	> 150F
VAPOR DENSITY FOR PRODUCT:	(AIR=1): >1
SPECIFIC GRAVITY:	1.05
WATER SOLUBILITY:	Polymerized by water

**SECTION 4 - FIRE AND EXPLOSION HAZARD DATA** =====

Flash Point: < 185-200F

Flammability limits in air: Lower: N.D. Upper: N.D.

Extinguishing agents: carbon dioxide, foam, dry chemical

Hazardous products formed by fire or thermal decomposition: Irritating organic vapors.

Unusual fire and explosion hazards: Do not use cloth to wipe up spills: Use water on spills to polymerize and then scrap up residue.

Special fire fighting procedures: Wear self contained breathing apparatus and protective clothing to prevent contact with skin, eyes, or inhalation of vapors.

Over exposure to decomposition of products may be a health hazard.

**SECTION 5 – SPILL OR LEAK AND DISPOSAL PROCEDURES** =====

Steps to be taken if material is spilled or leaks: Flood area with water to polymerize (cure). Soak up with an inert absorbent. Recommended methods of disposal: Polymerize as above. Incinerate, or solid adhesive can be land filled in accordance with all applicable federal, state, and local environmental regulations.

**SECTION 5 – STORAGE AND HANDLING** =====

Storage: Store out of direct sunlight at or below 72F to preserve shelf life.

Handling: Avoid contact with eyes and skin. Avoid breathing vapor.

**SECTION 6 - REACTIVITY DATA** =====

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY: Polymerized by contact with water, alcohols, amines, alkalines.

HAZARDOUS DECOMPOSITION PRODUCTS: (non-thermal): None.

**SECTION 7 – EMERGENCY TREATMENT PROCEDURES** =====

Ingestion or contact with mouth: If lips are accidentally stuck together, apply lots of warm water to the lips and encourage maximum wetting and pressure from saliva inside the mouth. Peel or roll lips apart. Do not try to pull the lips apart with a direct opposing action. It is almost impossible to swallow cyanoacrylate. The adhesive solidifies and adheres in the mouth. Saliva will lift the adhesive in ½ to 2 Days.

Inhalation: Remove to fresh air. Treat symptomatically.

Skin Contact: First immerse the bonded surface in warm soapy water. Peel or roll the surface apart with the aid of a blunt edge. (pencil, spoon handle, etc.), then remove the adhesive from the skin with soap and water. DO NOT try to pull surfaces apart with a direct opposing action.

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**SECTION 7 – EMERGENCY TREATMENT PROCEDURES (continued)** =====**Eye Contact:**

Eyelid to eyelid or eyeball adhesion: In the event that eyelids are stuck together or bonded to the eyeball, wash thoroughly with warm water and apply a gauze patch. The eye will open without further action, typically in one to four days. There will be no residual damage. DO NOT try to open eyes by manipulation. Let the natural cleansing action of the eye take place.

Adhesive on eyeball: Cyanoacrylate introduced into the eyes will attaché itself to the eye protein and will disassociate from it over intermittent periods, generally covering several hours. This will cause periods of tearing until clearance is achieved. The adhesive residue will flush out of the eye normally in a matter of hours, even with gross contamination.

Ventilation: Local exhaust, cross air movement. Vent downwards, as vapors are heavier than air.

Protective gloves: polyethylene.

Eye protection: Safety glasses.

Other: Eye bath and washing station nearby.

**SECTION 8 – HEALTH HAZARD DATA** =====

Toxicity: Bonds skin rapidly and strongly. Skin and eye irritant.

Estimated oral LD50 greater than 5,000 mg/kg.

Estimated dermal LD50 greater than 2,000 mg/kg.

Primary routes of entry: Not available.

Signs and symptoms of overexposure: Vapor is irritating to eyes and mucous membranes above TLV. Prolonged and repeated overexposure to vapors may produce allergic reactions with asthma like symptoms in sensitive individuals.

**SECTION 9 – OTHER PRECAUTIONS** =====

Avoid contact with skin, eyes and clothing. Keep out of reach of children! Read instructions carefully.

**NOTICE**

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible for verifying the date under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.

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