

# SAFETY DATA SHEET

## SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name : CYANON MQ-10  
 Company name : KOATSU GAS KOGYO CO., LTD.  
 Address : 2-4-12, Nakazaki-Nishi, Kita-ku, Osaka, Japan 530-8411  
 EMERGENCY TELEPHONE : +81-6-7711-2580  
 Product USE: ADHESIVE  
 CREATION DATE: October 13, 2004  
 REVISION DATE: April 23, 2019

## SECTION 2 HAZARDS IDENTIFICATION

### PHYSICAL HAZARDS :

Flammable liquid : Category 4  
 Self-reactive substances and mixtures : Classification not possible  
 Self-heating substances and mixtures : Classification not possible

### HEALTH HAZARDS :

Acute toxicity (inhalation:vapour) : Classification not possible  
 Acute toxicity (inhalation:dust,mist) : Classification not possible  
 Skin corrosion / irritation : Category 2  
 Serious eye damage / eye irritation : Category 2B  
 Respiratory / skin sensitizer : Classification not possible (Respiratory)  
 Category 1(skin)  
 Germ cell mutagenicity : Category 1B  
 Carcinogenicity : Category 2  
 Toxic to reproduction : Category 1B  
 Specific target organs / systemic toxicity following single exposure : Category 3(respiratory tract irritation)  
 Specific target organs / systemic toxicity following repeated exposure : Classification not possible  
 Aspiration hazard : Classification not possible

### Environmental Hazard :

Hazardous to the aquatic environmental(acute) : Classification not possible  
 Hazardous to the aquatic environmental(chronic) : Classification not possible  
 Hazardous to the ozone layer : Classification not possible

Symbol :



Signal Word : Denger

**Hazard statement:**

- Combustible liquid
- Causes skin irritation
- Causes eye irritation
- May cause allergic skin reaction
- May cause genetic defects
- Suspected of causing cancer
- Suspected of damaging fertility or the unborn child
- May cause respiratory irritation

**Precautionary statement:**

- Keep away from heat/sparks/open flames/hot surfaces.
- No smoking.
- Avoid breathing mist/vapours/spray.
- Wash the hand/face by soap/water thoroughly after handling.
- Use only outdoors or in a well-ventilated area.
- Contaminated work clothing should not be allowed out of the workplace.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understand.
- Wear protective poly-ethylene gloves/protective clothing/eye protection/face protection.
- If on skin:Wash with plenty of water/soap.
- If in eyes: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing
- If skin irritation occurs:Get medical advice/attention.
- If skin irritation or rash occurs:Get medical advice/attention.
- If eye irritation persists:Get medical advice/attention.
- If INHALED:Remove person to fresh air and keep comfortable for breathing.
- Take off contaminated clothing and wash it before reuse.
- In case of fire:Use carbon dioxide/dry chemical to extinguish.
- If exposed or concerned: Get medical advice / attention.
- Store locked up.
- Store in a well-ventilated place.Keep container tightly closed.
- Store in a well-ventilated place.Keep cool.
- Dispose of contents/container to accordance with local/regional/ national/international regulation.

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SECTION 3 COMPOSITION, INFORMATION ON INGREDIENTS  
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Substance / Mixture : Mixture  
Ingredients and composition :

COMPONENT	CAS NUMBER	EC NUMBER	PERCENTAGE (%)	EC SYMBOL RISK PHRASES
ETHYL CYANOACRYLATE	7085-85-0	230-391-5	92-97	Xi;R36/37/38
POLYMETHYLMETHACRYLATE	TRADE SECRET	POLYMER	3-8	-
HYDROQUINONE	123-31-9	204-617-8	0.1-0.2	Xn;R22 Xi;R41, R43 N:R50 Carc. Cat. 3;R68 Muta. Cat. 3;R68

LABELLING FOR "CYANON MQ-10" ACCORDING TO EEC DERECTIVES:

HAZARD SYMBOL: Xi, RISK PHRASE : R36/37/38, SAFETY PHRASE : S23, S24/25, S26

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SECTION 4 FIRST AID MEASURES

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INHALATION: If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.

SKIN CONTACT: If bonding occurs, immerse the bonded surfaces in warm soapy water. Peel or roll the surfaces apart using a blunt edge, such as a spatula or spoon handle. Do not pull surfaces apart with a direct opposing action. If burns occur, treat as thermal burns. Get medical attention, if needed.

EYE CONTACT: If bonding to tissues occurs, wash with large amounts of warm water. Cover both eyes with sterile, dry bandages. The eye will open without further action. Do not pull surfaces apart with a direct opposing action. If burns occur, treat as thermal burns. Get medical attention.

INGESTION: Wet lips with water. Peel or roll the surfaces apart using a blunt edge, such as a spatula or spoon handle. Do not pull surfaces apart with a direct opposing action. If a lump forms in the mouth, turn head to side. If burns occur, treat as thermal burns. Get medical attention.

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SECTION 5 FIRE FIGHTING MEASURES

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FIRE AND EXPLOSION HAZARDS: Moderate fire hazard. The vapor is heavier than air. Vapors or gases may ignite at distant ignition sources and flash back. Vapor/air mixtures are explosive above flash point.

EXTINGUISHING MEDIA: carbon dioxide, regular dry chemical, regular foam, water

FIRE FIGHTING: Move container from fire area if it can be done without risk.

Cool containers with water spray until well after the fire is out. Flood with fine water spray. Do not scatter spilled material with high-pressure water streams. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

FLASH POINT: more than 80°C

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SECTION 6 ACCIDENTAL RELEASE MEASURES

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OCCUPATIONAL RELEASE:

Avoid heat, flames, sparks and other sources of ignition. Stop leak if possible without personal risk. Reduce vapors with water spray. Small spills: Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal.

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SECTION 7 HANDLING AND STORAGE

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STORAGE: Store and handle this product at room temperature. Keep away from direct sunlight and heat sources.

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SECTION 8 EXPOSURE CONTROLS, PERSONAL PROTECTION

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EXPOSURE LIMITS:

ETHYL CYANOACRYLATE:

0.2 ppm ACGIH TWA

VENTILATION: Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits.

EYE PROTECTION: Wear splash resistant safety goggles with a faceshield.

Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

CLOTHING: Wear appropriate chemical resistant clothing.

GLOVES: Wear appropriate chemical resistant gloves.

PROTECTIVE MATERIAL TYPES: polyethylene, do not use cotton

RESPIRATOR: Wear any chemical cartridge respirator with organic vapor cartridge(s).

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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

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PHYSICAL STATE: liquid

APPEARANCE: clear

ODOR: pungent odor

BOILING POINT: >190°C

FREEZING POINT: Not available

VAPOR PRESSURE: 1Pa @ 25°C

VAPOR DENSITY (air=1): >1

SPECIFIC GRAVITY (water=1): 0.9-1.1

WATER SOLUBILITY: insoluble

PH: Not available

VOLATILITY: Not available

ODOR THRESHOLD: Not available

EVAPORATION RATE: Not available

COEFFICIENT OF WATER/OIL DISTRIBUTION: Not available

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SECTION 10 STABILITY AND REACTIVITY

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REACTIVITY: Stable at normal temperatures and pressure.

CONDITIONS TO AVOID: Avoid heat, flames, sparks and other sources of ignition.

Containers may rupture or explode if exposed to heat. Keep out of water supplies and sewers.

INCOMPATIBILITIES: amines, bases, combustible materials, peroxides

ETHYL CYANOACRYLATE:

ALCOHOLS: May polymerize.

AMINES: May polymerize.

ALKALIES: May polymerize.

HAZARDOUS DECOMPOSITION:

Thermal decomposition products: various organic fragments

POLYMERIZATION: May polymerize. Avoid contact with water or incompatible materials.

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SECTION 11 TOXICOLOGICAL INFORMATION

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ETHYL CYANOACRYLATE:

TOXICITY DATA:

LD50 >5ml/kg oral-rat

LOCAL EFFECTS:

Irritant: skin, eye

ACUTE TOXICITY LEVEL:

Toxic: dermal absorption, ingestion

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: eye disorders, respiratory disorders, skin disorders and allergies.

HEALTH EFFECTS:

INHALATION:

ACUTE EXPOSURE:

ETHYL CYANOACRYLATE: The maximum time for which no deaths were reported in rats exposed to saturated vapors was 8 hours. High concentrations of acrylic monomers may cause marked irritation, salivation, and pulmonary edema. Cyanoacrylate vapors may cause pneumonitis or other pulmonary complications including chemical bronchitis. Sensitization reactions, including asthma, have been reported in previously exposed persons.

CHRONIC EXPOSURE:

ETHYL CYANOACRYLATE: Exposed workers have reported upper respiratory symptoms such as stuffy nose and irritated or sore throats.

SKIN CONTACT:

ACUTE EXPOSURE:

ETHYL CYANOACRYLATE: Sensitization reactions, both dermatitis and asthmatic, may occur in previously exposed persons. Contact with ethyl cyanoacrylate has caused bonding of the skin. Some liquid cyanoacrylates may cause thermal burns.

CHRONIC EXPOSURE:

ETHYL CYANOACRYLATE: Some acrylic monomers may cause severe tissue damage.

EYE CONTACT:

ACUTE EXPOSURE:

ETHYL CYANOACRYLATE: Irritation was rated 8 out of 10 in rabbit eyes. Contact with ethyl cyanoacrylate has caused bonding of the eye. Some acrylates and cyanoacrylates may cause irritation, lacrimation, double vision, chemosis, corneal abrasion, and severe tissue damage. Some acrylic monomers may cause conjunctival congestion.

CHRONIC EXPOSURE:

ETHYL CYANOACRYLATE: Repeated or prolonged contact with irritants may result in conjunctivitis.

INGESTION:

ACUTE EXPOSURE:

ETHYL CYANOACRYLATE: Contact may cause bonding of the mouth and lips. Some acrylic monomers may cause collapse, severe respiratory difficulties, and central nervous system stimulation.

CHRONIC EXPOSURE:

ETHYL CYANOACRYLATE: No data available.

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SECTION 12 ECOLOGICAL INFORMATION

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Not available

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SECTION 13 DISPOSAL CONSIDERATIONS

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Dispose in accordance with local regulations.

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SECTION 14 TRANSPORT INFORMATION

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AIR TRANSPORT IATA/ICAO: No classification assigned.

MARITIME TRANSPORT IMDG: No classification assigned.

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SECTION 15 REGULATORY INFORMATION

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CHEMICAL INVENTORY:

All ingredients in this product are in the following inventories:

TSCA(USA), EINECS(EU), DSL(CANADA), ENCS(JAPAN), ECL(KOREA), AICS(AUSTRALIA),  
PICCS(PHILIPPINES) and IECSC(CHINA).

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SECTION 16 OTHER INFORMATION

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The information and recommendation contained in this SDS are based on the best knowledge available to us at the time of issue.

However, no warranty is made, either express or implied, as to its correctness or completeness, or as to the results of reliance on this SDS.