



Safety Data Sheet

Cobalt 2-Ethylhexanoate 12%(EC-12)

SECTION 1: Identification of the substances and company

Trade name: Cobalt 2-Ethylhexanoate 12%(EC-12)

Manufacturer/Supplier:

INK Chemical Technology (Taicang) Co.,Ltd

No. 8, Xiexin Middle Road, Taicang Port Development Zone, Suzhou City, Jiangsu Province, China

Tel: 0512-53201777

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Reference number: YK20200521-1

SECTION 2: Hazards identification

Hazard Classification

GHS hazard classification: according to GB 13690-2009 general rules for classification and hazard publicity of chemicals and GB 3000.02-29, this product is classified as follows:

Flammable liquids: Category 4

Inhalation hazard: Category 1

Skin sensitizers - Category 1

Severe eye injury / eye irritation - Category 2A

Specific target organ systemic toxicity single exposure - Category 3

Carcinogenicity - Category 2

Reproductive toxicity (unborn children): Category 2

Hazard to aquatic environment - acute hazard - Category 1

Hazard to aquatic environment - long term hazard - Category 1

The above-mentioned hazards are not applicable or cannot be classified

Label elements:

Pictogram:



Warning words: danger

Hazard statement

H227: flammable liquid

H304: swallowing and entering the respiratory tract can be fatal

H317: may cause skin allergic reaction

H319: causes severe eye irritation

H336: may cause vertigo

H351: suspected cancer

H361: suspected damage to a child born or unborn

H400: very toxic to aquatic organisms

H410: very toxic to aquatic organisms and has long-term lasting effects

Precautions

P101: if you need to see a doctor, please take the product container or label with you

P103: please read the label before use

Preventive measure

P201: get special instructions before use

P202: don't deal with it until you have read and understood all the safety precautions

P210: keep away from heat sources / sparks / hot surfaces. No Smoking

P261: avoid inhalation of dust / smoke / gas / fog / vapour / spray.

P264: clean thoroughly after operation

P271: use only outdoors or with good ventilation

P272: do not allow contaminated work clothes to leave the workplace

P273: avoid release to the environment

P280: wear protective gloves / glasses / face shield

Accident response

P301 + P310 if swallowing: call the poisoning Center / doctor immediately

P302 + p352: if on skin: rinse with plenty of water

P304 + p340: if inhaled, move the patient to a fresh place to rest and maintain a position conducive to breathing

P305 + P351 + P338: if in eyes: Rinse carefully with water for a few minutes. If you have contact lenses, remove them,

Then continue to rinse

P308 + P313: if exposed or worried: call poisoning Center / doctor

P312: if you feel unwell, call the poison control center or see a doctor

P331: do not cause vomiting

P333 + P313: in case of skin irritation or rash, seek medical advice

P337 + P313: if eye irritation persists: seek medical attention

P370+P378: use fire water mist, foam, dry chemicals or carbon dioxide to extinguish fire.

P391: collecting spills

Storage

P403 + p235: store in cool and well ventilated place

P405: lock and keep

Waste disposal

P501: This product / container should be disposed according to local regulations

Physical / chemical hazards

Flammable liquid.

Health hazards

Swallowing and entering the respiratory tract can be fatal

May cause skin allergic reaction

Cause serious eye irritation

May cause vertigo

Suspected cancer

Suspected damage to a child born or unborn

Environmental hazards

It is highly toxic to aquatic organisms and has long-term and sustained effects

Other hazards

No information available

SECTION 3: Composition information

This product is a mixture.

Chemical name:Cobalt 2-Ethylhexanoate

Main components :	CAS No.	EC No.	
Cobalt 2-Ethylhexanoate	CAS:136-52-7		40-70%
Standard solvent	CAS:64742-94-5	265-199-0	30-60%

SECTION 4: First aid measures

Skin contact: wash the contact area with soap and water. Take off contaminated clothes. Contaminated clothes should be washed before wearing.

Eye contact: wash thoroughly with water. In case of stimulation, medical help is needed.

Inhalation: avoid further inhalation contact. For those who help, you or others should avoid smoking in.

Give adequate respiratory protection. In case of respiratory irritation, dizziness, nausea or unconsciousness, please see a doctor immediately. If breathing stops, use mechanical equipment to help ventilate or perform mouth to mouth resuscitation help.

Ingestion: Seek medical treatment immediately. Do not induce vomiting.

Note: If ingested, it may be inhaled into the lung and cause chemical pneumonia. Appropriate treatment should be given according to the symptoms.

SECTION 5: Fire protection measures

Fire hazard: flammable. Hazardous materials. Firefighters should consider using the equipment described in Section 8.

Fire control

Fire instructions: evacuate the area. Prevent control of fire or diluted effluents into rivers, sewers or water sources. Firefighters should

Use standard protective equipment. Use self-contained breathing apparatus in confined space.

Expose to fire by spraying water

Cool down the surface of the disaster and protect the staff.

Extinguishing method and extinguishing agent: use fire water mist, foam, dry powder or carbon dioxide to extinguish fire.

Improper extinguishing medium: direct use of water.

SECTION 6: Emergency treatment of leakage

Notification procedure: in case of spillage or leakage accident, relevant departments shall be informed in accordance with all applicable regulations.

Protective measures: avoid contact with missing products. When necessary due to the toxicity or flammability of materials, warn or evacuate the surrounding and surrounding materials

Downwind residents. See Part V for fire protection information. For major hazards, see hazards

The first part is the general introduction. Refer to section 4 for first aid instructions. For personal protective equipment, see the eighth part.

Emergency response:

Respiratory protection: use half face or full face breathing filters for organic vapor, and when in use, according to leakage and potential

Use self-contained breathing apparatus at the exposure level. If the level of exposure cannot be determined or if the

Respirator is recommended in oxygen deficient environment. It is recommended to use the industrial chemicals that can tolerate aromatic hydrocarbons

Make gloves. Chemical goggles are recommended if splashing or eye contact is possible.

A small amount of leakage: General anti-static work clothes are usually enough.

Large amount of leakage: it is recommended to use one-piece anti-corrosion and anti-static overalls.

Leakage treatment

Land leakage: eliminate all ignition sources (no smoking, no flames, no sparks or fireworks in the site area.) If there is no danger,

Action can be taken to stop the leak. All equipment used in handling products must be grounded. Do not touch or

Pass the leak. Avoid entering waterways, sewers, basements or narrow areas. Steam can be compressed

Bubbles reduce steam. Collect adsorbed materials with clean tools that do not cause sparks. Use dry soil, sand or other materials

Move the non combustible materials to the container after being covered.

Large amount of leakage: spray water to reduce steam, but may not prevent fire in confined space. By means of a pump or by using a suitable adsorbent

Recovery of the reagent.

Water leakage: if there is no danger, actions can be taken to stop the leakage. Warn other vessels. To skim or remove from a surface

SECTION 7: Handling and storage

Operation note: operators should be trained and strictly abide by the operating procedures. It is suggested that the operator should wear the equipment approved by the management department Face mask and anti-static work clothes. Do not inhale vapor or gas. Avoid direct contact with eyes and skin.

Avoid vapor formation. Keep away from fire and heat source. No smoking in workplace. Use ventilation systems and equipment. Mining

Take measures to prevent electrostatic discharge. Pay attention to the flow rate when filling, and have grounding device to prevent the accumulation of static electricity.

Avoid contact with oxidants and flammable objects. Wash hands and face thoroughly after operation. Handle lightly

Light loading and unloading, to prevent package breakage, dampness and loss. Fire fighting equipment and equipment of corresponding variety and quantity shall be provided

Leakage emergency treatment equipment. Empty containers may contain harmful substances.

Storage: store in a cool, dry and ventilated warehouse, away from fire and heat source, to prevent sunlight exposure. Keep up

Seal the seal. It should be stored separately from oxidants and combustibles. The storage area shall be equipped with corresponding quantity of fire fighting equipment

Leakage emergency equipment and suitable storage materials.

SECTION 8: Exposure control / personal protection

Occupational exposure limits: gbz.2.1-2007 occupational exposure limits for hazardous factors in the workplace chemical hazardous factors not set

Biological limits: no data available

Monitoring method: none

Engineering control: the production process is closed and ventilation is strengthened. Provide safety shower and eyewash equipment.

Respiratory system protection: it is recommended that operators wear self-priming filter gas masks.

Eye protection: wear chemical safety glasses.

Body protection: wear general protective clothing.

Hand protection: wear acid and alkali resistant rubber gloves.

Other protection: smoking, eating and drinking are prohibited in the workplace. Wash hands before meals. After work, shower and change clothes.

Pay attention to personal hygiene.

SECTION 9: Physical and chemical properties

Appearance and character: blue purple uniform liquid

Odor: tasteless to light odor

Flash point (closed cup): > 60 °C

Solubility: soluble in alkanes, aromatics, alcohols and other solvents.

Density: no data available

Vapor pressure: no information

Flammability limit: no data

Spontaneous combustion temperature: > 250 °C

PH value: not applicable

Logarithm of octanol / water partition coefficient: no data

Solubility in water: immiscible in water

Melting point / freezing point: not applicable

Boiling point, initial boiling point and boiling range: not applicable

Decomposition temperature: no data

Oxidation: see hazard overview

SECTION 10: Stability and reactivity

Stability: stable under normal temperature and pressure.

Risk reaction: no data

To avoid contact conditions: avoid heat, sparks, open fire and other ignition sources.

Substances to be avoided: strong oxidants, inflammables

Harmful decomposition products: carbon oxides, cobalt oxides

SECTION 11: Toxicological information

Acute toxicity: according to the available information, the product is not classified
Skin corrosion / irritation: according to the available information, the product is not classified
Severe eye injury / eye irritation: causes severe eye irritation
Respiratory sensitization: according to the available information, the product is not classified
Skin sensitization: may cause skin allergic reaction
Germ cell mutagenicity: products are not classified according to available data
Carcinogenicity: suspected to be carcinogenic
Reproductive toxicity: suspected damage to birth or unborn infants
Specific target organ toxicity: may cause vertigo
Specific target organ toxicity repeated exposure: according to available data, products are not classified
Inhalation hazard: swallowing and entering the respiratory tract can be fatal

SECTION 12: Ecological data

Ecotoxicity: it is highly toxic to aquatic organisms and has a long-term sustained impact
Persistence and degradability: no data available
Potential bioaccumulation: no data available.
Soil mobility: no relevant data.
Other environmental hazards: no relevant information

SECTION 13: Waste disposal

Waste disposal methods

Waste chemicals: recycling should be considered as far as possible. Do not let the product touch the sewage system.

Contaminated packaging: return the empty container to the manufacturer or bury it in the specified place. Dispose according to national and local regulations.

Precautions for waste: refer to relevant regulations of local environmental protection department before disposal. Recommendations to qualified

Chemical waste treatment department.

SECTION 14: Transport information

UN dangerous goods number (UN): 3082

UN risk classification: 9

Package category: III

Transportation precautions: it is strictly forbidden to mix with oxidants, inflammables and edible chemicals. Check transportation before transportation

Vehicle safety and performance of tools. During transportation, it should be protected from sun exposure, rain and high temperature. During driving, the driver should

Always check for leaks. During stopover, keep away from fire, heat source and high temperature area. Transport vehicles

Fire fighting equipment and leakage emergency treatment equipment of corresponding variety and quantity shall be provided.

SECTION 15: Regulatory information

The production, packaging, storage, use and abandonment of this product in China shall comply with the production safety law of the people's Republic of China

Order No. 70 of the president of the people's Republic of China and regulations on the safety management of hazardous chemicals (Order No. 591 of the State Council)

Regulations on work safety license (order of the State Council of the people's Republic of China (No. 397)), hazardous chemicals license (No

Measures for the administration of business license of learning products (No. 36 order of the former State Economic and Trade Commission) and other laws and regulations.

In JT / T 617-2018 rules for the transport of dangerous goods: UN No. 3082, Chinese name and description It is a substance harmful to the environment, liquid.

According to GB 13690-2009 general principles for classification and hazard publicity of chemicals, the product is classified as follows:

Flammable liquids: Class 4

Inhalation hazard: Category 1

Severe eye injury / eye irritation - category 2A

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According to GB 12268-2012 "list of dangerous goods", this product is classified as: UN No. 3082, Chinese name and description

It is a substance harmful to the environment

This product is classified as: No. 91021, Chinese name and description is harmful to the environment

Qualitative, liquid

This product is classified as not listed in the list of dangerous chemicals (2015 Edition). According to the determination principle of dangerous chemicals, this product belongs to

For hazardous chemicals

SECTION 16: Other information

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Preparation time: March 3, 2017

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Revision note: the second revision

Other information: None

The above information is listed according to our knowledge. There is no guarantee that this is the specific description of this product. Please pay close attention to our latest information.

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