



Wuxi Wolunchangqing New Materials
Technology Co. Ltd..

Jiangyin Warren Chemical Co. Ltd

WARREN ENTERPRISE

TEL: +86-0510-82112658

FAX: +86-0510-82139487

Safety specifications

Part I Chemicals and business labelling

Chemical No. ITP Series / ATP Series

Chemical name: 1 # / 2 # / 3 # / 4 # / 5 # / Epoxy diluent/polyurethane
diluent/adhesive paint, etc..

Chemical name in English: Protection companies

Enterprise Name: Wolunchangqing, Wuxi New Materials Technology Co.
Ltd..

Jiangyin Warren Chemical Co. Ltd..

Address: Yangjiabang, Hongshan Street, Xinwu District, Wuxi City

Jiangyin Shengang Street Innovation Village

Zip Code: 21,443

Enterprise Tel: 0510-82139487

Fax: 0510-82138587

Technical specification code: Barun-15-003-01

Entry into force: 2015/5/21

Accident Emergency Telephone Number: 0532-83889090 Consulting

Telephone Number: 0510-82112658

Website: [Http://www.warrencom.com](http://www.warrencom.com)

Part II Summary of Risks

Hazard Category: Flashpoint flammable liquids in Class 3.3

Intrusion pathways: inhalation, ingestion, absorption through skin

The hazardous description of the described ingredients in Part 2 is as
follows:

Health hazards: Harmful by inhalation or in contact with skin. When



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swallowed, it can damage the lungs. Repeated contact may cause dry or chapped skin.

Environmental hazards: see section 12.

Explosive hazard: Flammable. In case of open fire, high heat is easy to ignite.

Part III Component / Composition Information

Pure mixture(two or more of them)

Chemical name: 1 # / 2 # / 3 # / 4 # / 5 # / Epoxy diluent/polyurethane diluent/special diluent for hoop paint, etc..

Harmful Ingredients

Isopropyltoluene 0-40 99-87-6

Xylene 10-60 1330-20-7

Propanediol methyl ether acetate 0-10 108-65-6

Ethyl acetate 0-30 141-78-6

Propanediol methyl ether 0-10 107-98-2

Isopropyl alcohol 0-15 67-63-0

Methylisobutyl ketone 0-10 108-10-1

n-butyl acetate 0-50 123-86-4

2-ethanol 0-20 111-76-2

Part IV First Aid Measures

If you have any questions or if the symptoms persist, please seek help from your doctor.

Skin contact: Remove contaminated clothing, rinse skin with soap and water, or wash with personal skin cleaner. Don't use it.

Solvent or diluent: Seek help from your doctor if symptoms persist.



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Eye contact: Rinse with clean, fresh water for at least 15 minutes, separate upper and lower eyelids, and seek help from your doctor.

Inhalation: Move to fresh air to keep the patient warm and resting, such as irregular breathing or stop, need to give artificial respiration emergency, and do not give the patient anything. If unconscious, please put the patient in a resuscitation position and seek the help of a doctor.

Ingestion: If accidentally swallowed, do not induce vomiting, stay rested and seek help from a doctor.

Part V Fire Protection Measures

Hazard characteristics: In case of open fire, it is highly flammable, its steam is heavier than air, and it can spread to a considerable distance at a lower point. In the case of open fire, it is easily rekindled.

Harmful combustion products: carbon monoxide, carbon dioxide

Fire extinguishing methods and extinguishing agents: recommended-anti-soluble foam, carbon dioxide or dry powder.

Do not use-water gun.

Attention to fire extinguishing: Fire will cause thick black smoke. Exposure to decomposed substances can be harmful to the body. Firefighters must use subsistence breathing apparatus. Confined containers in a fire site shall be cooled with water. Do not allow substances generated after fire extinguishing to flow into sewers or

Drainage pipes.

Part VI Emergency treatment of leaks

Emergency treatment: Keep away from the source of fire and keep the air free to avoid inhalation of steam. Refer to the relevant protective measures



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in section 8. Use non-flammable materials such as sand, Earth, vermiculite, diatomite, etc. to collect the leaked paint in the container and treat the container in accordance with local regulations. It is not allowed to pour into drains or sewers. Finally, use detergent to clean the contaminated area and avoid using solvents.

If the products pollute lakes, rivers or sewers, notify the relevant agencies to deal with them in accordance with local regulations.

PART VII Operational disposal and storage

Practice Note: Avoid contact with skin and eyes. No smoking, no eating at work.

Vapour density is greater than air, so it spreads along the ground. Vapour may also form explosive mixture with air.

Prevent vapor from forming flammable and explosive concentrations in the air and avoid vapor concentrations above the limit of occupational exposure. In addition, this product can only be used in places where there are no exposed lights or other fire sources. Electrical equipment must be protected according to the corresponding standards.

Storage: Store in a cool, dry, ventilated place and keep the container sealed.

Part VIII Exposure control/personal protection

TLV-TWA STEL(15 min)

Ppm mg/m³ ppm mg/m³

No standards for isopropyl toluene. No standards. No standards.

Xylene 100 434 150 651

Propanediol, methyl ether acetate, no standards, no standards, no standards.



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Ethyl acetate 300 no standard 400 no standard

Propylene glycol methyl ether without standard 100 125

No standards for isopropanol 400 1230

Methylisobutyl methadone not set standard not set standard 75 not set
standard

n-butyl acetate 150 200

2-<PERSON::0> Ethanol 20

TLV-TWA-Gate Threshold-Time Average

STEL-Short-term exposure limit

Monitoring method: gas chromatography.

Engineering control: Keep container closed during production process,
keep good ventilation in production workshop.

Respiratory protection: Avoid inhalation of vapors, particulates and aerosols.

A reasonable and feasible method is to use local exhaust ventilation and
good general ventilation. If this is not enough to keep the concentration of
particles and solvent vapor below the occupational exposure limit,
breathing must be used.

Protective equipment: Respiratory equipment should be selected in
accordance with local regulations.

Eye Protection: Wear a suitable blindfold.

Physical protection: Wear suitable protective clothing.

Hand protection: Wear appropriate gloves.

Sanding: Protective gloves must be worn to prevent skin irritation. When
the polished surface is used for painting, attention must be paid to the age
of the object and the painted paint(possibly lead-containing paint). Dregs or



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dust produced during ingestion or inhalation may affect health. To avoid dust, use wet grinding or chemical stripping as much as possible. When dry grinding is unavoidable and there is no good exhaust ventilation, it is recommended to use a dust mask. This mask must be approved to prevent leaded dust. The choice of model must be based on

(c) The occupational health(COSHH) standard, taking into account the air regulations for lead in occupational health exposure standards. In addition, must

Measures must be taken to ensure that the dust produced is limited to a certain extent and then the affected area and

The dust deposits around it are completely removed.

Part IX Physical and chemical properties

Appearance and traits: viscous liquids

pH: Not applicable

Melting point(°C): Not applicable

Relative density: uncertainty

Boiling point(°C): Not applicable

Relative vapor density: no data available

Correlation value of octanol/water partition coefficient: no data available

Explosive cap <UNK>(V/V): No information

Ignition temperature(°C): No data available

Explosion lower limit <UNK>(V/V): approximately 0.8 <UNK>

Solubility: Insoluble in water

Main Uses: Mainly used for the coating of steel structures, Shigongfangfa and the use of the field please refer to the label description of the product.



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PART X Stability and reactivity

Stability: Stability

Prohibited: Oxide, base or acid

Conditions for avoiding contact: Extreme temperature.

Polymerization hazard: Not happening

Decomposition products: Exposure to high temperatures may produce dangerous decomposers such as carbon monoxide and carbon dioxide, smoke and nitrogen oxides

In order to prevent vapor from forming flammable concentrations in the air, good natural ventilation must be provided, and if necessary exhaust ventilation.

Accumulation of dry excess paint, contaminated rags, etc. may cause spontaneous combustion. Good health standards plus regular

And the safe disposal of waste will reduce such risks.

Part XI Toxicological information

This product does not yet have experimental data, but it has been evaluated by Preparations Directive and classified as toxic. For more information, see Part 3, including relevant hazard and safety phrases.

Acute toxicity: no data available.

Stimulus: Excessive contact with steam can stimulate the eyes and respiratory system. Excessive concentration can affect the central nervous system and produce drowsiness. In extreme cases, it will lose consciousness. Vapour with long-term exposure exceeding OELs can adversely affect the body. Spray into the eyes will cause discomfort and may cause harm. Long-term contact with the skin will have a skin reaction



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leading to skin irritation and sometimes dermatitis.

Part XII Ecological information

Ecotoxicity: This product does not yet have specific information. This product is not allowed to be poured into sewers or drains in accordance with the Environmental Protection Act, nor can it be disposed of in places that may affect soil and groundwater. The use of the following substances in high concentrations alone is harmful to the environment.

Biodegradability: no information available

Non-biodegradable: no data available

Part XIII Disposal

Nature of waste: hazardous waste

Abandoned disposal methods: treated by controlled incineration

Waste precautions: Waste and containers must be disposed of as incendiary hazardous materials in accordance with the general requirements of the National Waste Conservation Act.

Part XIV Transport information

Dangerous Goods Number:

UN number:

Packing mark: Flammable liquid

Packing Group: III

Packing Method: Metal Tank

Transportation note: away from the fire, heat source, prevent direct sunlight.

Isolate and store with oxidants. Light loading and unloading to prevent leakage of containers.

Warning sign term: flammable.



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Place in a place out of the reach of children.

Cover the container tight.

No fire-no smoking.

Once in contact with the eyes, rinse immediately with plenty of water and seek medical attention.

Once in contact with the skin, rinse immediately with plenty of water and soap.

Do not pour into the sewer.

If swallowed, seek medical attention immediately and show containers or labels.

Use only in good ventilation.

It is not recommended to use large areas indoors.

Part XV Information on Laws and Regulations

Regulatory Information: Regulations on the Safety of Chemical Dangerous Goods

Implementation Details of the Regulations on the Safety of Chemical Dangerous Goods(Chemical, Labour and Production[1992] 677)

Regulations on the Safe Use of Chemicals in the Workplace([1996] Ministry of Labor issued 423)

Classification and labelling of commonly used hazardous chemicals(GB13690-92)

Law of the People's Republic of China on Prevention and Control of Environmental Pollution by Solid Waste

Common technical conditions for the transport of dangerous goods packaging(GB12463-90)



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Part XVI. Other information

References:

1, Safe Management of Chemicals in the Workplace, SETC Safe Production Bureau, 2000

New Safety Manual for Dangerous Goods, Chemical Industry Press, 2001

3, Dangerous Chemical Safety Technology Book, Chemical Industry Press, 1997

Regulations on the Registration and Administration of Hazardous Chemicals, SETC, October 1, 2000

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Completion Department: Wuxi Wolunchangqing New Materials Technology Co. Ltd..

Data Audit Unit: Wuxi Wolunchangqing New Materials Technology Co. Ltd..

Modifications: Based on the revised guidelines for the preparation of technical specifications for chemical safety(GB/T17519-2013).

Other information:

The information provided in this information is not a product indicator: it does not guarantee a particular nature. The information contained is based on us.

General guidance on health and safety provided by knowledge in the operation, storage and use of products. It doesn't apply to local production.

Special or non-standard and non-compliant use.