

WeiHai HeLiYuan 509 glue MSDS

1. Product Information

Product Name: 509 glue

Recommended usage and restrictions

Recommended use: Adhesive

Limit: n/a

Factory Information / Supplier Information

- Original: Weihai HeLiYuan Chemical Co., Ltd.
- Address: Jiujiatan Industrial Park, Weishan Town, Jinghai District, Weihai City, Shandong Province
- Phone: 0631-5929888

·Related departments: Development Department and Quality Assurance Department

2. Harmful, harmful

a. Harmful, dangerous

classification of

flammable liquids:

Category 2

Skin corrosion/irritation: Category 2

Serious eye damage / eye irritation: Category 2

Reproductive toxicity: Category 1a

Specific target organ disposable exposure toxicity: Category 1

Specific target organ disposable exposure toxicity: Category 3 (irritating respiratory tract)

Specific target organ disposable exposure toxicity:

Category 3 (anesthesia) Specific target organ

repetitive exposure toxicity: Category 1

Attracting Harmfulness: Category 1

b. Warning sign

- pictorial text



Single word: Danger

- Hazardous information

H225 highly flammable liquid and steam

H304 Danger when swallowing

H315 causes skin irritation

H319 causes eye irritation

H332 Hazard at the time of attraction

H335 can stimulate the respiratory tract

H336 will feel drowsiness, dizziness symptoms

H351 suspected of causing cancer

H360 damage to the fetus or reproductive capacity

H372 affected by long-term or repeated,
may cause damage to the body.

H411 Causes aquatic organism poisoning under long-term effects

Precaution

prevention

P201 First understand the contents of the product manual

P202 First understand all safety precautions, or not to use

P210 Avoid high temperatures, flames, cremation – no smoking

P233 Seal the product container.

P240 can't connect container and water equipment

P241 should use electrical, ventilation, lighting equipment to prevent explosion.

P242 should use tools that do not ignite

P243 should take measures to prevent static electricity.

P261 No inhalation (dust, smoke, gas, steam, spray).

P264 Wash the parts after use.

P270 Do not allow food or inhalation when using this product.

P271 Use in a place that is sufficiently ventilated.

P273 No discharge is allowed.

P280 Wear safety equipment such as goggles and masks

P281 wear the most suitable personal protective equipment.

correspond

P301+p310 Immediately contact your doctor when ingesting p302+p352 Wash thoroughly with plenty of soap and water when in contact with skin.

P303+p361+p353 Immediately take off contaminated clothing, jewelry and shoes when in contact with skin (or hair) and wash thoroughly with water.

p304+p340 When inhaling, you must immediately relax in a place with fresh air.

P305+p351+p338 When in contact with the eyes, remove the contact lenses and immediately wash them with plenty of water or normal saline.P308+p313 Take medical action when chemically affected.

P314 Take medical measures when you are not feeling well.

P331 Do not force vomiting.

P332+p313 Appropriate medical measures should be taken when the skin is stimulated. p337+p313 Eyes continue to be stimulated and appropriate medical measures should be taken.

P362 Take off contaminated clothes, jewelry and shoes immediately, then wash them with water. p370+p378 In case of fire, use fire extinguisher to extinguish p391.

Store

P403+p233 The container is completely sealed and kept in a well ventilated place.

P403+p235 is placed in a ventilated and low temperature environment.

P405 is stored in a place with a locking device..

Discard

P501 in accordance with relevant regulations

c. Harmfulness other than the Hazardous Risk Classification Standard

NFPA

Health: 2~3, Fire: 1~3, Reactivity: 0

3. Composition and substance

Chemical substance name	Content (%)	CAS No.	Remarks
Pvc resin	15~20	no information	
acetone	30~40	67-64-1	
MEK	45~50	78-93-3	

4. Emergency handling essentials

a. Contact with eyes: Take contact lenses and wash them with plenty of water or normal saline immediately (at least 15~20 minutes). Take appropriate medical measures after emergency treatment. b. Contact with skin: contaminated clothes, jewelry and shoes Take off immediately with a mild detergent or soap, and wash plenty of water thoroughly (minimum 15 to 20 minutes), take medical measures if necessary

Inhalation: Immediately in a place with fresh air, if necessary, use a breathing mask or other suitable device for artificial respiration. Take medical measures

Ingestion: Take appropriate measures such as gastric lavage or vomiting. When vomiting, place your head below the hip to prevent re-uptake.

Gastric lavage should be carried out by specialized personnel, and medical measures should be taken immediately after emergency treatment.

e. Acute and delayed symptoms

- Inhalation:

Short-term: stimulation, hypothermia or fever, vomiting, stomach pain, difficulty breathing, heartbeat, headache, drowsiness, dizziness, dysphonia, loss adjustment (function), kidney abnormalities, abnormal liver long-term: stimulation, hypothermia, Fever, headache, drowsiness, dizziness, blood disorders

- skin contact:

Short-term: stimulation

Long-term: stimulating, burning feeling

- eye contact:

Short-term: stimulation

Long-term: stimulation

- Ingestion:

Short-term: vomiting, diarrhea, internal bleeding, abnormal kidneys, abnormal liver, coma

Long-term: No information available on serious side effects.

f. Other precautions There is no specific antidote information, and the doctor should be aware of the substance and take appropriate protective measures.

5. Fire fighting methods

a. Use appropriate fire extinguishing tools: powdered fire extinguishing agent, alcohol resistant foam, carbon dioxide or water

b. Specific harmful effects from chemical substances

- Thermal decomposition products: will contain toxic carbides, methane, formaldehyde, phosgene and other corrosive oxides

- Risk of fire and explosion If there is contact with heat or sparks, there is a danger of fire.

Steam is both heavier than air and can travel long distances, and tempering can occur due to the ignition source. The mixture of steam and air has the possibility of breaking out. The substance has low electrical conductivity and fluidity and disturbance, which leads to fire caused by electric spark.

c. Protective equipment and precautions to

be carried out during firefighting to ensure safety. Avoid the container from the fire area. Rescuers should carry appropriate protective equipment to maintain a safe distance. After extinguishing the fire, water the surface of the container and avoid it from the glue tank.

In the case of a large fire, an unmanned fire hose should be used, or the person concerned should not be allowed to get close to the dangerous area and burn it.

If there is sound from the safety exhaust device or the glue tank is discolored after the fire, it should leave immediately. If it is on the glue tank, train or tanker, it should leave the distance (800m).

If it is judged that it cannot be extinguished, it should not be extinguished. Use a lot of water to extinguish the fire in the shape of a mist.

Leave the leeward
when
extinguishing the
fire to prevent
inhalation

6. Countermeasures for leaking accidents

a. Protective equipment should be available and appropriate measures should be taken

In order to protect the skin, protective equipment should be worn.

The solvent that is volatilized cannot be directly inhaled

In order to avoid the risk of explosion or fire, it is necessary to leave the fire area in addition to the relevant personnel.

Measures to protect the environment absorb large amounts of pollutants with sand or other non-combustible substances in order to prevent the spread of pollution.

Method of handling pollutants

Recycle and discard immediately. Use an absorbing paper or treatment when a small amount of leakage occurs. Waste according to the disposal regulations of specific waste

Discarding recycled pollutants

7. Management and storage methods

a Safety management methods should avoid contact with flames, sparks and other flammable substances.

Managers should follow first-in, first-out, and not use other purposes. Avoiding from acidified substances

b Store in a cool place (below 25 ° C) to avoid high temperatures, flames, sparks and other flammable substances.

Use as soon as possible, the remaining products must be completely sealed product packaging.

The custody should comply with the regulations set by the central government and local governments.

8. Control exposure / personal protection

a. Exposure standards for chemical substances, biological exposure standards

- Domestic regulations:

MEK : 200ppm 590mg/m³ STEL - 300ppm 885mg/m³

-acgi regulations:

MEK : TWA 200ppm, STEL 300ppm

- Biological exposure criteria: no relevant information

Proper engineering management

- Local exhaust equipment should be installed to

maintain proper ventilation.- If the substance is in danger of exploding, install explosion-proof equipment on the ventilation equipment - it should be confirmed whether the standard is properly exposed.

9. Physical and chemical properties

a. appearance	Transparent sticky liquid
b. smell	no information
c. Odor limit	no information
D. pH	no information
e. Melting point / freezing point	56°C ~ 110°C
f. Initial boiling point/boiling point range	no information
g. Fire point	no information
h. Evaporation rate	no information
i. Flammability (solid, gas)	no information
j. Flammability or upper/lower limit of explosion	no information
k. vapor pressure	no information
l. Vapor density	no information
m.	0.84~0.88
N-octanol/water partition coefficient	no information
o. Autoignition temperature	no information
p. decomposition temperature	no information
q. Viscosity	3,000~4,500cps(25°C)
r. molecular weight	no information

10. Stability and reactivity

Chemical stability: stable physical properties under normal temperature and normal pressure conditions

Possibility of harmful reactions: coincidence reaction - no coincidence reaction

Conditions to avoid:

Avoid high heat, flames, sparks and other flammable substances. The steam is violent.

If the container is exposed to high heat, it will break or cause the explosion to prevent the pollution of the water source.

Strong acidifier (peroxide, hydrochloric acid), nitrogen dioxide

Incompatible materials:

Flammable substances, alkalis, chloroform, tribromomethane, acidifiers, halogens, flammable substances, acids, metal salts

Substances produced during decomposition:

Carbon compounds may occur during thermal decomposition

11. Poison information

a. Possibly high poisoning route

Through the respiratory organs: no information

Ingestion by caliber: no data available

Skin contact: no data available

Eye contact: no data available

b. Acute and chronic effects

- acute toxicity

-caliber:

Toluene LD50 2600 mg/kg

Rat MEK LD50 2737 mg/kg

Rat

- Hard skin:

Toluene: LD50 120000 mg/kg Rat

MEK : LD50 6480 mg/kg Rabbit

- Inhalation:

Toluene: LC50 12.5 mg/l 4 hr Rat

MEK : LC50 32 mg/l 4 hr Mouse

Causes skin corrosion or stimulates toluene:

Intermediate stimulation (rabbit)

Severe eye damage/eye irritation: Recover within 7 days (rabbit)

Respiratory allergies: no data

Skin sensitization: no data

Carcinogenicity: No data available

Germ cell variability: no data available

Reproductive toxicity: no data available

- One-time exposure to specific organs: No data available

- Repeated contact toxicity to specific organs: No data available

- Attracting harmfulness: No data

c. Numerical scale of toxicity: no data

12. Ecological information

a. Ecotoxicity

- Fish:

MEK : LC50 3220 mg/ℓ 96 hr Pimephales promelas

- Carapace:

MEK : EC50 5091 mg/ℓ 48 hr Daphnia magna

-Birds: No data available

b. Residue and degradability

- Residue: No data

-Degradability: No data available

c. Bioconcentration: No data available

- Biodegradability: No data available

- Concentration: No data available

d Mobility in soil: no data

e. Other negative effects: no data

13. Processing method

a. Disposal method:

This product is a non-corruptive product and emits a large amount of unburned compounds, etc. when incinerated. Therefore, when handling chemical substances, it is allowed to pass a licensed professional abandonment company, or it must comply with the legal rules established by the central government and local governments.

b. Precautions when disposing: in accordance with relevant regulations

14. Transport information

Un number: un1133

Un Official shipping name: Adhesive

Transport hazard class: class 3

Packing group: 2

Marine pollutants: No data

f) Specific security measures:

The sealed state of the product packaging must be confirmed before shipping. If it rains during transportation,

shielding equipment must be provided. If the product is exposed during transportation, it must be avoided.

15. Legal information

Regulations on the Industrial Safety and Health Law:
No information

Regulation on toxic chemical control law: no data

Regulations on the Dangerous Goods Safety Management Act: Category 4, 1st Petroleum

Regulations on waste management law: no data

Regulations in other regulations in the country and in other countries: no data

16. Other information

a. References

ICSC

HSDB

IUCLID

NLM

EU-RAR (2004)

DFGOT vol. 13 (1999)

ACGIH (2001)

ACGIH (2002)

PATY (5th; 2001)

Existing chemical safety inspection data

ICSC (1994)

EHC (1998)

SIDS (1999)

HSDB (2005)

ACGIH (2001)

ATSDR (1994)

EPA (2004)

PHYSPROP Database (2005) B. First release:
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Ltd.

Data audit unit: Weihai Jiangyuan Polymer Technology Co.,
Ltd.

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other information:

The information provided in this material is not a product indicator: it does not guarantee a particular nature. The information contained is based on general guidance on health and safety provided by our knowledge of the operation, storage and use of the product. It does not apply to the special or non-standard nature of this product and to the use of instructions and recommendations.