



MSDS

1. Product&Company information

1.1 Product name: 1,3,5-Trimethylhexahydro-1,3,5-triazine

CAS NO.108-74-7

1.2 Company name: Haihang Industry Co.,Ltd.

2. overview of risk

2.1 GHS classification

Flammable liquid (Class 3)

Acute toxicity, transoral (Class 4)

Skin corrosion / stimulation (class 1B)

Severe eye injury / eye irritation (Class 1)

Skin allergy (Category 1)

Specific target organ system toxicity (repeated contact) (Class 2)

Acute aquatic toxicity (Class 3)

Chronic aquatic toxicity (Class 3)

2.2 GHS markers, including prophylactic statements

Warning word danger

Danger declaration

H226 flammable liquid and steam.

H302 deglutition is harmful.

H314 causes severe skin burns and eye injuries.

H317 may cause an allergic reaction to the skin.

The long-term or repeated contact of H373 may damage the organ.

H412 is harmful to aquatic organisms and has long lasting effects.

Warning

preventive measure

P210 away from the heat source / spark / open fire. No Smoking.

P233 keeps the container closed.

The P240 container and the loader are grounded / equipotential joins.

P241 uses explosion-proof electrical / ventilation / lighting equipment.

P242 can only use tools that do not produce sparks.

P243 measures to prevent electrostatic discharge.

P260 do not breathe dust / smoke / gas / smoke / steam / spray.

Thoroughly rinse the skin after P264 operation.

P270 do not eat, drink, or smoke when using this product.

P272's stained work clothes are not allowed to take out the work site.

P273 avoids the release to the environment.



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P280 wear protective gloves / wear protective clothing / wear protective cover / wear mask.

Accident response

P301 + P312 + P330 if swallowing and discomfort: immediately call the detoxification center or medical treatment. Gargle.

P301 + P330 + P331 such as swallowing: gargle. Do not induce vomiting.

P303 + P361 + P353 (if the skin or hair) contact: immediately remove / take off all contaminated clothing. Skin / water cleaning

Shower.

P304 + P340 + P310 if inhaled: move the victim to the fresh air and stay in a comfortable breathing posture.

Call the detoxification center or go to the doctor immediately.

P305 + P351 + P338 + P310 spatter into the eyes and rinse carefully for a few minutes. If wearing contact lenses and easy to take out, take out stealth

Glasses, continue to wash. Call the detoxification center or go to the doctor immediately.

P314 if you feel discomfort, seek medical treatment / visit.

P333 + P313 such as skin irritation or rash: seek medical treatment / visit.

P362 + P364 removes all the stained clothes and can be reused after cleaning.

P370 + P378 in the case of fire: dry sand, dry powder or anti - soluble foam extinguish.

Storage

P403 + P235 is stored in a well ventilated place. Keep low temperature.

P405 storage place must be locked.

disposal

P501 delivers the inside material / container to the approved waste treatment plant.

2.3 other hazards - no

3. component / composition information

3.1 substance : Hexahydro-1,3,5-trimethyl-1,3,5-triazine

alias : C6H15N3

Molecular formula: 129.2 g/mol

molecular weight

The concentration or concentration range of the component

Hexahydro-1,3,5-trimethyl-1,3,5-triazine

Chemical Abstracts registry number (CAS <= 100% 108-74-7

No.) 203-612-8

EC- number

4. first aid measures

4.1 description of necessary emergency measures

General advice



Consult a doctor. Show the safety specification to the doctor at the scene.

inhalation

If inhaled, move the patient to the fresh air. If breathing is stopped, artificial respiration is carried out. Consult a doctor.

Skin contact

Immediately take off the contaminated clothes and shoes. Rinse with soap and a lot of water.

Consult a doctor.

Eye contact

Rinse with a large amount of water for at least 15 minutes and consult a doctor.

Ingestion

It is forbidden to vomit. Do not feed anything to the unconscious. Rinse your mouth with water.

Consult a doctor.

4.2 main symptoms and effects, acute and delayed effects

As far as we know, the chemical, physical and toxic properties have not been fully studied.

4.3 instructions and instructions for timely medical treatment and special treatment required

No data

5. fire protection measures

5.1 fire extinguishing medium

Fire extinguishing method and fire extinguishing agent

Use water mist, alcohol resistant foam, dry powder or carbon dioxide to extinguish fire.

5.2 derived from the particular harm of this substance or mixture

Carbon oxide, nitrogen oxide

5.3 suggestions for firefighters

Wear self-contained breathing apparatus for fire operation if necessary.

5.4 further information

An unopened container for cooling water.

6. leak emergency treatment

6.1 personnel protection measures, protective equipment and emergency disposal procedures

Use personal protective equipment. Avoid inhaling vapors, aerosols, or gases. Ensure full ventilation. Eliminate all fire sources.

Evacuate the personnel to the safe area. It is noted that the vapor accumulation reaches the explosive concentration, and the vapor can be accumulated on the low-lying ground.

6.2 environmental protection measures

If safety is ensured, measures can be taken to prevent further leaks or spillovers. Do not let the product enter the sewer. Avoid discharge into the surrounding environment.

6.3 methods for the collection, removal and disposal of leaked chemicals

The overflow is filled with an electric vacuum cleaner or a wet brush to collect the spillovers and put them in the container. According to the local regulations (see thirteenth parts)



Points).

6.4 refer to the other parts

Please refer to the thirteenth section for discarding.

7. operation disposal and storage

7.1 precautions for safe operation

Avoid contact with the skin and eyes. Avoid inhaling vapors or fog drops.

Do not close to the fire source. - smoking and fire are strictly prohibited. Take measures to prevent electrostatic accumulation.

7.2 conditions for safe storage, including any incompatibility

It is stored in a cool place. Keep the container closed and store in a dry and ventilated place.

The open container must be carefully resealed and keep the vertical position to prevent leakage.

It's hygroscopic.

7.3 specific uses

No data

8. contact control and individual protection

8.1 control parameters

Occupational exposure limit

A substance that does not contain a limit of occupational exposure.

8.2 exposure control

Appropriate technical control

Operate according to good industrial hygiene and safety standards. Wash your hands at the end of the rest and at the end of the work.

Individual protective equipment

Eye surface protection

Tightly assembled protective glasses, please use the official standards such as NIOSH (USA) or EN 166 (EU)

Detection and approval of the equipment to protect the eye.

Skin protection

Gloves and gloves must be checked before use.

Please use the appropriate method to remove the gloves (do not contact the outer surface of the glove) to avoid any skin contact with the product.

After use, please handle the contaminated gloves according to the relevant laws and regulations and effective laboratory rules and procedures. Please clean and blow dry hands.

The selected protective gloves must conform to the 89/686/EEC regulation of EU and the EN 376 standard derived from it.

Body protection

Full set of anti chemical reagents, flame retardant and antistatic protective clothing. ,



The type of protective equipment must be selected according to the concentration and quantity of the dangerous objects in the particular workplace.

respiratory system protection

If the risk assessment shows the need to use air purge mask, please use the full cover multifunction mask (US) or ABEK type

(EN14387) the gas mask tube is a candidate for engineering control. If the mask is the only way to protect, use a full cover air supply

A mask of poison. Respirators are used to test and pass through government standards such as NIOSH (US) or CEN (EU) respirators and parts.

9. physical and chemical properties

9.1 information on the basic physical and chemical properties

A) appearance and character

Shape: clarification

Color: colorless

B) smell

Ammonia

C) odor threshold

No data

D) pH value

No data

E) melting point / solidification point

Melting point / melting point range: -27 C - lit.

F) initial boiling point and boiling range

162 - 163.5 degree C - lit.

G) flash point

51 C - closed cup

H) evaporation rate

No data

I) flammability (solid, gas)

No data

J) high / low combustion or explosive limits without data

K) vapor pressure

No data

L) vapor density

No data

Density / relative density of M

0.919 g/cm³ at 25 C

N) water solubility

No data



O) positive octanol / water distribution coefficient

Log Pow: 0.76

P) temperature of spontaneous combustion

190 degree C at 1007.3 - 1016.8 hPa

Q) decomposition temperature

No data

R) viscosity

3.7 mm²/s at 20 C -

10 stability and reaction activity

10.1 reactivity

No data

10.2 stability

No data

10.3 risk reaction

No data

10.4 conditions to be avoided

Heat, flames and sparks.

10.5 incompatible substances

Strong oxidizer

10.6 dangerous decomposition products

Other decomposition products - no data

11. toxicological data

11.1 information on the effects of Toxicology acute toxicity

LD50 transoral - rat - female - 300-2000 mg/kg

Skin corrosion / irritation

Skin - Rabbit - causing burns. - OECD test guidelines 404

Severe eye injury / eye stimulation

Eye - Rabbit - can cause serious damage to the eyes. - OECD test guidelines 405



Respiratory or skin allergy

In vivo test - Guideline 429 - OECD test - exposure to skin can cause allergies.

Mutagenicity of germ cell

In vitro genotoxicity response mutation test - Salmonella typhimurium - negative or without metabolic activation - negative

Genotoxicity in vivo - Mouse - male - oral - negative

carcinogenicity

IARC:

There is no greater than or equal to 0 in this product. The component of the 1% content was identified by IARC as a possible or affirmative human carcinogen.

Reproductive toxicity

No data

Specific target organ system toxicity (primary contact)

No data

Specific target organ system toxicity (repeated contact)

No data

Inhalation hazards

No data

Potential health effects

Inhalation is harmful. The substance has strong damage to tissue, mucous membrane and upper respiratory tract.

Eating and swallowing is harmful. It causes burns.

Skin is harmful through the skin. Cause a burn of the skin.



Eyes cause eye burns.

Symptoms and symptoms after contact

As far as we know, the chemical, physical and toxic properties have not been fully studied.

Additional instructions

Repeated toxicities - rat - mouth - unobserved levels of harmful effects - 30 mg/kg

Toxic effects of chemical substances registration: XY9300000

12. ecological data

12.1 ecotoxicity

No data

12.2 persistence and degradability

No data

12.3 potential bioaccumulation

No data

12.4 mobility in soil

No data

Results evaluation of 12.5 PBT and vPvB

No data

12.6 other adverse effects

It is harmful to aquatic organisms and has long lasting effects.

No data



13. discarded disposal

13.1 waste disposal method

product

In a chemical incinerator equipped with an augmented combustor and a washing machine, the combustion treatment, especially when ignited, should be paid attention to because the substance is highly flammable.

The sexual substance transfers the remaining and non recyclable solutions to the licensed companies.

Contaminated containers and packaging

Dispose of by unused products. -

14. transport information

14.1 United Nations number

Danger rules of European land transport: 2920 International Maritime Dangerous rules: 2920 international air transport regulations: 2920

14.2 United Nations Transport name

European land transport regulations: CORROSIVE LIQUID, FLAMMABLE, N.O.S. (Hexahydro-1,3,5-trimethyl-1,3,5-triazine)

International Maritime Dangerous rules: CORROSIVE LIQUID, FLAMMABLE, N.O.S. (Hexahydro-1,3,5-trimethyl-1,3,5-triazine)

International air transport regulations: Corrosive liquid, flammable, n.o.s. (Hexahydro-1,3,5-trimethyl-1,3,5-triazine)

14.3 dangerous category of transportation

Danger rules for European land transport: 8 (3) International Maritime Dangerous regulations: 8 (3) international air transport regulations: 8 (3)

14.4 package group

Danger rules of European land transport: II International Maritime Dangerous regulations: II international air transport danger gauge: II



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14.5 environmental hazards

Critical rules for continental transportation in Europe: international shipping danger
rules for International Maritime Dangerous regulations: no

Marine pollutants (yes / no): no

14.6 special precautions

No data

15-Regulatory information

N/A

16 - Other information

N/A