

## Chemical Safety Data Sheet MSDS / SDS

## Mordant Yellow 10

Revision Date:2026-05-31 Revision Number:1

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

## Product identifier

Product name : Mordant Yellow 10  
CBnumber : CB7115899  
CAS : 6054-99-5  
EINECS Number : 227-976-2  
Synonyms : MORDANT YELLOW 10,Sodium 2-hydroxy-5-((4-sulfonatophenyl)diazenyl)benzoate

## Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses : For R&D use only. Not for medicinal, household or other use.  
Uses advised against : none

## Company Identification

Company : Chemicalbook  
Address : Building 1, Huihuang International, Shangdi 10th Street, Haidian District, Beijing  
Telephone : 010-86108875

## SECTION 2: Hazards identification

## GHS Label elements, including precautionary statements

Symbol(GHS)



Signal word

Danger

## Precautionary statements

P405 Store locked up.  
P403+P235 Store in a well-ventilated place. Keep cool.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P333+P313 IF SKIN irritation or rash occurs: Get medical advice/attention.  
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continuerinsing.  
P337+P313 IF eye irritation persists: Get medical advice/attention.  
P308+P313 IF exposed or concerned: Get medical advice/attention.  
P370+P378 In case of fire: Use ... for extinction.

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P264 Wash skin thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P242 Use only non-sparking tools.  
P241 Use explosion-proof electrical/ventilating/lighting/.../equipment.  
P243 Take precautionary measures against static discharge.  
P201 Obtain special instructions before use.  
P233 Keep container tightly closed.  
P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.  
P240 Ground/bond container and receiving equipment.  
P202 Do not handle until all safety precautions have been read and understood.  
P270 Do not eat, drink or smoke when using this product.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P501 Dispose of contents/container to.....

#### **Hazard statements**

H224 Extremely flammable liquid and vapour  
H402 Harmful to aquatic life  
H336 May cause drowsiness or dizziness  
H335 May cause respiratory irritation  
H350 May cause cancer  
H340 May cause genetic defects  
H317 May cause an allergic skin reaction  
H361 Suspected of damaging fertility or the unborn child  
H319 Causes serious eye irritation  
H315 Causes skin irritation  
H302 Harmful if swallowed

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## SECTION 3: Composition/information on ingredients

### **Substance**

Product name	: Mordant Yellow 10
Synonyms	: MORDANT YELLOW 10,Sodium 2-hydroxy-5-((4-sulfonatophenyl)diazenyl)benzoate
CAS	: 6054-99-5
EC number	: 227-976-2
MF	: C <sub>13</sub> H <sub>8</sub> N <sub>2</sub> Na <sub>2</sub> O <sub>6</sub> S
MW	: 366.26

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## SECTION 4: First aid measures

### **First Aid Measures**

**General advice**

Consult a physician if necessary. Remove to fresh air.

**Eye contact**

Wash with plenty of water.

**Skin Contact**

Wash skin with soap and water.

**Inhalation**

Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.

**Ingestion**

Never give anything by mouth to an unconscious person. Clean mouth with water.

**Most important symptoms and effects, both acute and delayed****Symptoms**

No information available.

**Indication of any immediate medical attention and special treatment needed****Note to physicians**

Treat symptomatically.

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## SECTION 5: Firefighting measures

**Suitable Extinguishing Media****Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media**

None.

**Specific hazards arising from the chemical****Specific hazards arising from the chemical**

No information available.

**Hazardous combustion products**

Hydrogen sulfide. Carbon oxides. Nitrogen oxides (NO<sub>x</sub>).

**Explosion data****Sensitivity to Mechanical Impact**

No information available.

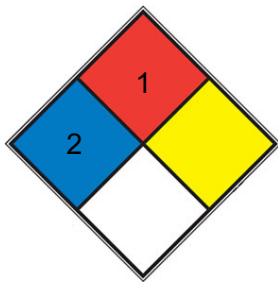
**Sensitivity to Static Discharge**

No information available.

**Protective equipment and precautions for firefighters****Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**NFPA 704**



HEALTH 2 Intense or continued but not chronic exposure could cause temporary incapacitation or possible residual injury (e.g. [diethyl ether](#), ammonium phosphate, iodine)

FIRE 1 Materials that require considerable preheating, under all ambient temperature conditions, before ignition and combustion can occur. Includes some finely divided suspended solids that do not require heating before ignition can occur. Flash point at or above 93.3 °C (200 °F). (e.g. [mineral oil](#), ammonia)

REACT

SPEC.

HAZ.

## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

#### Personal precautions

Ensure adequate ventilation, especially in confined areas.

#### Environmental precautions

#### Environmental precautions

See Section 12 for additional Ecological Information.

### Methods and material for containment and cleaning up

#### Methods for containment

Prevent further leakage or spillage if safe to do so.

#### Methods for cleaning up

Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly.

## SECTION 7: Handling and storage

### Precautions for safe handling

#### Advice on safe handling

Corrosive hazard. Wear protective gloves/clothing and eye/face protection.

### Conditions for safe storage, including any incompatibilities

#### Storage Conditions

May form explosive peroxides. Store at room temperature.

#### **Incompatible materials**

None known based on information supplied.

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## SECTION 8: Exposure controls/personal protection

### **Control parameters**

#### **Exposure Guidelines**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

#### **Appropriate engineering controls**

##### **Engineering Controls**

Showers

Eyewash stations

Ventilation systems

#### **Individual protection measures, such as personal protective equipment**

##### **Eye/face protection**

Wear safety glasses with side shields (or goggles).

##### **Skin and Body Protection**

Wear protective gloves and protective clothing.

##### **Respiratory protection**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

##### **General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice.

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## SECTION 9: Physical and chemical properties

### **Information on basic physicochemical properties**

Physical State	Solid
Appearance	No information available
Odor	No information available
pH	No information available
Melting point/freezing point	300 °C
Boiling point	No information available
Flash point	No information available
Density	No information available
Evaporation rate	No information available
Upper flammability limits	No information available

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Lower flammability limit	No information available
Vapor pressure	No information available
Vapor density	No information available
Specific gravity	No information available
Water solubility	No information available
Solubility in other solvents	No information available
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available
Solubility	DMSO (Slightly, Heated), Methanol (Slightly, Heated), Water (Slightly)
Colour	Yellow to brown

## SECTION 10: Stability and reactivity

### Reactivity

Not applicable

### Chemical stability

May form explosive peroxides.

### Possibility of Hazardous Reactions

None under normal processing.

### Hazardous polymerization

No information available.

### Conditions to avoid

Extremes of temperature and direct sunlight.

### Incompatible materials

Strong oxidizing agents.

### Hazardous Decomposition Products

Hydrogen sulfide. Carbon oxides. Nitrogen oxides (NO<sub>x</sub>).

## SECTION 11: Toxicological information

### Information on likely routes of exposure

#### Inhalation

Classified based on available data. For more details, see section 2.

#### **Eye contact**

Classified based on available data. For more details, see section 2.

#### **Skin Contact**

Classified based on available data. For more details, see section 2.

#### **Ingestion**

Classified based on available data. For more details, see section 2.

### **Information on toxicological effects**

#### **Symptoms**

Classified based on available data. For more details, see section 2.

### **Delayed and immediate effects as well as chronic effects from short and long-term exposure**

#### **Chronic Toxicity**

Classified based on available data. For more details, see section 2.

### **Numerical measures of toxicity - Product Information**

#### **Unknown acute toxicity**

Classified based on available data. For more details, see section 2

The following values are calculated based on chapter 3.1 of the GHS document

#### **ATEmix (oral)**

14000 mg/kg

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## SECTION 12: Ecological information

### **Ecotoxicity**

May cause long lasting harmful effects to aquatic life

100% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

### **Persistence and degradability**

No information available.

### **Bioaccumulation**

No information available.

### **Mobility**

No information available.

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## SECTION 13: Disposal considerations

### **Disposal of wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

## Contaminated packaging

Do not reuse container.

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## SECTION 14: Transport information

### DOT

Not regulated

### IMDG

Not regulated

### IATA

Not regulated

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## SECTION 15: Regulatory information

### International Inventories

All of the components in the product are on the following Inventory lists

TSCA (United States): Canada (DSL/NDSL) Europe (EINECS/ELINCS/NLP) South Korea (KECL): China (IECSC)

X - Listed

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

Chemical name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Mordant Yellow 10	X	-	X	X	-	-	X	X	-	-

### US Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### SARA 311/312 Hazard Categories

##### Acute health hazard

No

##### Chronic Health Hazard

No

##### Fire hazard

No

**Sudden release of pressure hazard**

No

**Reactive hazard**

No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

This product does not contain any substances regulated by state right-to-know regulations

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## SECTION 16: Other information

**Abbreviations and acronyms**

CAS: Chemical Abstracts Service

TWA: Time-Weighted Average

STEL: Short-Term Exposure Limit

LD50: Lethal Dose 50%

LC50: Lethal Concentration 50%

EC50: Effective Concentration 50%

PEL: Permissible Exposure Limit

TLV: Threshold Limit Value

IMDG: International Maritime Dangerous Goods Code

IATA: International Air Transport Association

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

DOT: US Department of Transportation

NFPA: National Fire Protection Association

NIOSH: National Institute for Occupational Safety and Health

OSHA: Occupational Safety and Health Administration

**Disclaimer:**

The information in this MSDS is only applicable to the specified product, unless otherwise specified, it is not applicable to the mixture of this product and other substances. This MSDS only provides information on the safety of the product for those who have received the appropriate professional training for the user of the product. Users of this MSDS must make independent judgments on the applicability of this SDS. The authors of this MSDS will not be held responsible for any harm caused by the use of this MSDS.