

## Chemical Safety Data Sheet MSDS / SDS

## Pyridat

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

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

## Product identifier

Product name : Pyridat  
CBnumber : CB5131848  
CAS : 55512-33-9  
EINECS Number : 259-686-7  
Synonyms : PYRIDATE,Pyridat

## 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

Warning

## Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 Wash skin thoroughly after handling.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P312 IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell.  
P302+P352 IF ON SKIN: wash with plenty of soap and water.

## Hazard statements

H302 Harmful if swallowed  
H315 Causes skin irritation  
H317 May cause an allergic skin reaction

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## SECTION 3: Composition/information on ingredients

### Substance

Product name	: Pyridat
Synonyms	: PYRIDATE,Pyridat
CAS	: 55512-33-9
EC number	: 259-686-7
MF	: C19H23ClN2O2S
MW	: 378.92

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## SECTION 4: First aid measures

### First Aid Measures

#### General advice

If symptoms persist, call a physician.

CAS No	Inhalation LC50				
General advice	If symptoms p	ersist, call a ph	ysician.		
Eye contact	Immediately fl	ush with plenty	of water. After	initial flushing, remove	any contact le
	continue flush	ing for at least	15 minutes. Ke	ep eye wide open whil	e rinsing. If sym
	persist, call a	physician.			
Skin Contact	Wash contam	inated clothing	before reuse.	Wash off immediately with p	lenty of wa
	irritation persi	sts, call a physi	cian. Wash off	immediately with soap	and plenty of w
	Immediate me	dical attention	is not required.	Wash off immediately	with soap and
	water while re	moving all con	taminated cloth	es and shoes.	
Inhalation	Immediate me	dical attention	is not required	Move to fresh air in case	of accidental
	inhalation of v	apors If sympt	oms persist, call	a physician	
Ingestion	Clean mouth	with water and	drink afterward	s plenty of water. Neve	r giv e anything
	to an uncons	ious person. C	all a physician.	Do NOT induce vomiti	ng.
Self-protection of the first aider	Use personal	protective equi	pment as requi	red.	

#### Eye contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

#### Skin Contact

Wash contaminated clothing before reuse. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Wash off immediately with soap and plenty of water.

Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

#### Inhalation

Immediate medical attention is not required Move to fresh air in case of accidental inhalation of vapors If symptoms persist, call a physician

**Ingestion**

Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician. Do NOT induce vomiting.

**Self-protection of the first aider**

Use personal protective equipment as required.

**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**

No information available.

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

No information available.

**Hazardous combustion products**

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

**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.

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## SECTION 6: Accidental release measures

**Personal precautions, protective equipment and emergency procedures****Personal precautions**

Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

## **Environmental precautions**

### **Environmental precautions**

See Section 12 for additional Ecological Information. Prevent product from entering drains.

Should not be released into the environment. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so.

## **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. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Avoid creating dust. Soak up with inert absorbent material. Dam up. Pick up and transfer to properly labeled containers. Sweep up and shovel into suitable containers for disposal. After cleaning, flush away traces with water. Take precautionary measures against static discharges.

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## SECTION 7: Handling and storage

### **Precautions for safe handling**

#### **Advice on safe handling**

Use with local exhaust ventilation. Use personal protective equipment as required. Do not breathe dust/fume/gas/mist/vapors/spray.

### **Conditions for safe storage, including any incompatibilities**

#### **Storage Conditions**

Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers. Store at 4 °C.

#### **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

Tight sealing safety goggles. Face protection shield.

### 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

When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

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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	No information available
Boiling point	bp0.1 220°
Flash point	100 °C CC (closed cup)
Liquid Density	1.16 g/cm <sup>3</sup>
Evaporation rate	No information available
Upper flammability limits	No information available
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
Density and/or relative density	d <sub>20</sub> 1.555

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## SECTION 10: Stability and reactivity

### Reactivity

Not applicable

### **Chemical stability**

Stable under recommended storage conditions.

### **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**

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

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## 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**

Avoid repeated exposure.

### **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)**

1431 mg/kg

**ATEmix (dermal)**

3400 mg/kg

**SECTION 12: Ecological information****Ecotoxicity**

Chemical name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
Pyridat 55512-33-9	4.93: 96 h Pseudokirchneriella subcapitata mg/L EC50 82: 96 h Desmodesmus subspicatus mg/L EC50	140: 96 h Lepomis macrochirus mg/L LC50 flow-through 20: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 1.2: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 1.2: 96 h Oncorhynchus mykiss mg/L LC50 static 61.1: 96 h Cyprinus carpio mg/L LC50 static 2.1: 96 h Lepomis macrochirus mg/L LC50 static 2: 96 h Lepomis macrochirus mg/L LC50 semi-static		1.02 - 1.15: 48 h Daphnia magna mg/L EC50 Static 0.83: 48 h Daphnia magna mg/L EC50

0% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

**Pyridat 4.93: 96 h 140: 96 h Lepomis**

- 1.02 - 1.15: 48 h Daphnia

**Oncorhynchus mykiss mg/L****LC50 semi**

static 1.2: 96 h

**semi**

static

0% 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.****Pyridat**

4.01 55512-33-9

**SECTION 13: Disposal considerations**

## Disposal of wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations. Should not be released into the environment.

## Contaminated packaging

Do not reuse container.

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## SECTION 14: Transport information

### DOT

**UN/ID no**

UN3077

**Hazard Class**

9

**Packing Group**

III

Environmentally hazardous substance, solid, n.o.s.

UN3077, Environmentally hazardous substance, solid, n.o.s. (Pyridat), 9, III, Marine pollutant

**Emergency Response Guide Number**

171

### IMDG

**UN/ID no**

UN3077

**Hazard Class**

9

**Packing Group**

III

Environmentally hazardous substance, solid, n.o.s.

UN3077, Environmentally hazardous substance, solid, n.o.s. (Pyridat), 9, III, Marine pollutant

**Special Provisions**

274, 335, 966, 967, 969

**EmS-No**

F-A, S-F

### IATA

**UN/ID no**

UN3077

**Hazard Class**

9

**Packing Group**

III

Environmentally hazardous substance, solid, n.o.s.

UN3077, Environmentally hazardous substance, solid, n.o.s. (Pyridat), 9, III

**ERG Code**

9L

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## SECTION 15: Regulatory information

### International Inventories

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

Europe (EINECS/ELINCS/NLP)

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
Pyridat	-	-	-	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

Yes

##### 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.