

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

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

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	cious 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.

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_x). 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.

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.

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.

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.

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/cm3
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	d20 1.555

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_x). Hydrogen sulfide.

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.

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

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

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.