amethocaine

MSDS / SDS

Creation date: 2021-0312 Amendment date: 2021-04-08

Part 1: Chemicals and corporate identification

on-product information

	: amethocaine
Chinese name	： T etracaine
English name	： CB9775567
CB number	： 94-24-6
CAS number	： 202-316-6
EINECS Number	: Riprodiccaine, 4- (butylamino) -benzoic acid 2- (dimethylamine) ethyl ester
Chemical alias	

Relevant fied use of substance or mixture and not recommended use

Validated use	: For R & D use only. Not to be used for pharmaceutical, family, or other purposes.
Recommended to prohibit use	: Not available

Part 2: Overview of the hazards

Overview of the emergency situations

Swallowing can be poisoned., May cause allergic skin reactions., Suspected of causing cancer. Consult with a doctor., Show this safety technical instruction to the doctor at the site. If inhaled, move the patient to fresh air., If respiration stops, perform artificial respiration., Consult with a doctor. Rlush with soap and plenty of water. Immediately take the patient to the hospital., Consult with a doctor. Wash the eyes with water with caution. Do not feed the unconscious person with anything., Rgargle with water., Consult with a doctor.combustible.

The GHS hazard category

Acute toxicity, transoral (category 3), H 301

Skin allergy (category 1), H317

Carcinogenic properties (Category 2), H351

The full health description (H-) mentioned in this section is available in Part 16.

GHS tag elements, including precautio  ns

figurative graph

Signal word	dan

The danger is stated

H 301 Swallowing causes poisoning.

H 317 May cause a skin allergic reaction.

H 351 carcinogenesis is suspected.

preventive measure

P 201 Get special instructions before use.

P 202 Do not move until reading and identifying all safety measures.

P 261 Avoid inhalation of dust / smoke / gas / smoke / vapor / spray.

P 264 Clean the skin thoroughly after the operation.

P 270 Do not eat, drink, or smoke when using this product.

P 272 The contaminated work clothes shall not be taken out of the work site.

P 280 Wear protective gloves / wear protective clothing / wear protective eye mask / wear protective mask.

Accident response

P 301 + P 310 + P 330 If swallowed by mistake: call the emergency center / doctor immediately.rinse the mouth.

P 302 + P 352 such as skin contamination: wash fully with water.

P 308 + P 313 if contact or doubt: seek treatment / visit.

P 333 + P 313 in case of skin irritation or rash: Visit / visit.

lay in

P 405 Storage place must be locked.

Waste disposal

P 501 Send the contents / containers to an approved waste treatment plant for treatment.

Physical and chemical hazards

There is no physical or chemical risk to the current information.

health hazard

H 301 Swallowing causes poisoning.

H 317 May cause a skin allergic reaction.

H 351 carcinogenesis is suspected.

environment hazards

At present, the information, there is no environmental harm.

Other hazards

-not have

Part 3: Composition / composition information

matter

Chinese name	: amethocaine
Chemical alias	: Riprodiccaine, 4- (butylamino) -benzoic acid 2- (dimethylamine) ethyl ester
CAS number	： 94-24-6
EC number	： 202-316-6
molecular formula	： C15H24N2O2
formula weight	： 264.36

Part 4: emergency treatment

Description of the necessary first-aid measures

General advice

Consult with a doctor. Show this safety technical instruction to the doctor at the site.

inhalation

If inhaled, move the patient to fresh air. If breathing stops, perform artificial respiration. Consult the doctor.

skin exposure

Rlush with soap and plenty of water. Immediately transport the patient to the hospital. Consult the doctor.

eye contact

Wash the eyes with water with caution.

ingestion

Do not feed the unconscious person with anything. Rinse your mouth with water. Consult the doctor.

Most important symptoms and health effects

The most important known symptoms and effects are described in the labeling (see Section 2.2) and / or section 11

Instructions and instructions for prompt medical treatment and special treatment required

No data

Special tips for the doctor

No data

Part 5: Fire protection measures

Fire fighting medium

Fire extinguishing methods and fire extinguishing agent

Put out the fire with water mist, alcohol-resistant foam, dry powder or carbon dioxide.

A particular hazard arising from this substance or mixture

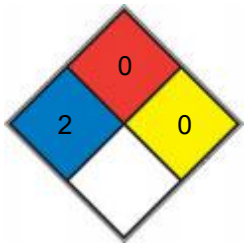
Carbon oxides, and nitrogen oxides

combustible.

Fire prevention and extinguishing precautions and protection measures

If necessary, wear a self-contained breathing apparatus for fire-fighting operations.

NFPA 704



Health hazards 2 High concentrations or persistent exposure may cause temporary loss of incapacity or possible persistent injury.

Flammability 0 does not burn.

Reactive 0 is usually stable, does not react even when exposed to open flames, and does not react with water.

Special harm

Part 6: Emergency treatment of leakage

Personnel protective measures, protective equipment and emergency response procedures

Wear a breathing mask. Avoid dust generation. Avoid inhaling vapors, aerosol, or gases. Ensure adequate ventilation. Evacuate personnel to safe areas.

Avoid inhalation of dust.

See part 8 for personal protection.

Environmental protection measures

If safety can be ensured, measures may be taken to prevent further leakage or overflow. Do not let the product go into the drain.

The reception and removal methods of the leaking chemicals and the disposal materials used

Do not produce dust during the collection and disposal. Sweep off and shovel off. Place in a suitable enclosed container for disposal.

Refer to other sections

See Section 13 for the discard processing.

Part 7: Operational disposal and storage

Notes for safe operation

Avoid contact with the skin and the eyes. Avoid dust and aerosol formation. Where dust is generated, provide suitable exhaust equipment.

For precautions, see Section 2.2.

Conditions for safe storage, including any incompatibilities

Keep the container closed and store it in a dry and ventilated place.

Recommended storage temperature of 2-8 °C

Part 8: Contact control / personal protection

controlling parameter

Hazard composition and occupational exposure limits

There are no known state-prescribed exposure limits.

Exposure control

Appropriate technical controls

Avoid contact with the skin, eyes, and clothing. Wash your hands immediately before the rest and after operating this product.

Individual protective equipment

Eye protection

Protect the eye with face masks and safety glasses with equipment tested and approved by official standards such as NIOSH (USA) or EN 166 (EU).

skin sparing

Wearing gloves and gloves must be inspected before use. Please remove the gloves (do not touch the external surface of the gloves) and avoid any skin contact with the product. Use the contaminated gloves carefully according to relevant laws and regulations and effective laboratory regulations and procedures. Please clean and blow dry your hands

The protective gloves selected must comply with the specifications given by Regulation (EU) 2016 / 425 and the EN 374 standard derived from it.

Body protection

Complete set of anti-chemical reagent overalls, the type of protective equipment must be selected according to the concentration and quantity of hazardous substances in a specific workplace.

Respiratory system protection

If the risk assessment shows that the air purification gas mask is needed, please use the full mask multi-function particulate gas mask N 100 (US) or P 3 (EN 143) gas mask cartridge as alternate for engineering control. If the gas mask is the only way of protection, a full hood air supply gas mask is used. The use of the respirator was tested and approved Government standards such as NIOSH (US) or CEN (Breathing apparatus and parts of (EU).

Control of the environmental exposure

If safety can be ensured, measures may be taken to prevent further leakage or overflow. Do not let the product go into the drain.

Part 9: Physicochemical properties

Information on the basic physicochemical properties

Shape: It is formed in a solid state

Appearance and traits	
smell	No data
threshold odour number	No data
pH price	No data
Melting point / setting point	No data
Initial boiling point and the boiling range	No data
flash point	No data
evaporation rate	No data
Flammability (solid, gas)	No data
vapour pressure	No data
vapour density	No data
Density / relative density	No data
water-solubility	solvable
N-octanol / water distribution coefficient	No data
autogenous ignition temperature	No data
decomposition temperature	No data
viscosity	No data
Explosion characteristics	No data
oxidability	No data

Part 10: Stability and Reactivity

stability

Stable under the recommended storage conditions.

Dangerous reaction

No data

Conditions that should be avoided

No data

Ban the match

Iodide, inorganic mercury, and silver salt

Hazardous decomposition product

In the case of fire, it will decompose to produce harmful substances.-Carbon oxide, other decomposition products of nitrogen oxide-no data data When burning: see Section 5 Fire Fighting Measures.

Part 11: Toxicology information

Information on the toxicological impact

acute toxicity
LD 50 Oral-mouse-300 mg / kg
Skin corrosion / irritation
No data
Severe eye injury / eye irritation
No data
Breathing or skin allergy
Germ-cell mutagenicity
human being
Hela cell
Unconventional DNA synthesis
carcinogenicity
Limited evidence of carcinogenicity in animal studies
IARC: None of the components in this product of 0.1% were identified as a known or possible carcinogen by IARC.

genotoxicity

Specific target organ system toxicity (primary contact)
No data
Specific target organ system toxicity (repeated exposure)
No data
inhalation hazard
No data

Additional instructions

Register of chemical substance toxic effects: DG 4725000
euphoria, confusion, dizziness, tinnitus, double pupil, blurred vision, vomiting, fever, cold, shivering, accompanying,:, sleep, spasm, sleep, hypotension, loss of heart, heart, central nervous system inhibition, central nervous system excitement, as far as our knowledge, the chemical, physical and toxic properties have not been fully studied.

Part 12: Ecological information

Ecological toxicity

No data

Persistence and degradability

No data

Biostock potential

No data

Mobility in the soil

No data

Evaluation of the results for the PBT and vPvB

The PBT / vPvB assessment is not available as the chemical safety assessment is not required / not performed

Other environmental harmful effects

No data

Part 13: Waste disposal

Waste disposal methods

product

Leave the remaining and non-recyclable solutions to licensed companies for disposal. Solution or mix with flammable solvents, and combustion in a chemical incinerator equipped with post-combustion treatment and washing action

Pollution packaging

Dispose as an unused product.

Part 14: Transportation information

United Nations number / UN number

European Land / ADR / RID: 2811 International Marine / IMDG: 2811 International Air / I ATA-DGR: 2811

UN Transport Name / UN proper shipping name

European land transport hazards: organic toxic solids, not otherwise listed (Tetracaine) ADR / RID: TOXIC SOLID, ORGANIC, N.O.S.(Tetracaine)

International Marine hazards: organic toxic solids, not otherwise listed (Tetracaine)

IMDG : TOXIC SOLID , ORGANIC , N.O.S.(Tetracaine)

International air transport risk regulations: organic toxic solids, unspecified (Te tracaine) IATA-DGR: Toxic solid, organic, n.o .s .(Tetracaine)

Transportation Hazard Category / Transport hazard class (es)

European Land Risk / ADR / RID: 6.1 International Marine Risk / IMDG: 6.1 International Air Risk / IATA-DGR: 6.1

Package group / Packaging group

European Land Risk / ADR / RID: III International Marine Risk / IMDG: III International Air Risk / IATA-DGR: III

Environmental hazards / Environmental hazards

ADR / RID European Agency for Road Transport / European Agency for Rail Transport: No

International Maritime Dangerous Goods Rules (IMDG) Marine pollutants (Yes / No): No

International Air Transport Risk Regulation: No

Special precautions / Special precautions for user

Please select the appropriate transport means and the corresponding transport and storage conditions according to the nature of the chemical. The means of transport shall be equipped with corresponding varieties and quantity of fire fighting materials and leakage emergency treatment equipment. If you choose road transportation, please follow the prescribed route.

Proer / Incompatible materials

Iodide, inorganic mercury, and silver salt

Part 15: Regulatory information

Rules / regulations specifically governing the safety, health and environment of this substance or mix

Law of the Occupational Disease Prevention Law of the People's Republic of China

Classification list of occupational-disease-inductive factors: not included

Regulations on the Safety Management of Hazardous Chemicals

List of Dangerous Goods and Chemicals (2018): not included

Measures for the environmental management and registration of hazardous chemicals

List of Hazardous Chemicals for Key Environmental Management (2014): Not included

Regulations on the administration of narcotic drugs and psychotropic drugs

List of narcotic drugs (2013): not included in the list of psychotropic drugs (2013): not included

New measures for the environmental management of chemical substances

China's existing chemical substances list: not included

Other provisions

Please note that waste disposal should also meet local regulations.

Part 16: Other information

reference documentation

[1] International Chemicals Safety Programme: International Chemicals Safety Card (ICSC) at http: / / www.ilo.org/dyn/icsc/showcard.home 。

[2] International Agency for Research on Cancer, http: / / www.iarc.fr/。

[3] OECD Global Chemicals Information Platform, available at: http: / / www.echemportal.org/echemportal/index?pageID=0&request_loca l e =en 。

[4] CAMEO Chemical Database http: / / cameochemicals.noaa.gov/search/simple 。

[5] American Library of Medicine: Chemical Identification Database at http: / / chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp 。

[6] U. S. Environmental Protection Agency: Integrated Risk Information System at http: / / cfpub.epa.gov/iris/。

[7] U. S. Department of Transportation: Emergency Response Guide at http: / / www.phmsa.dot.gov/hazmat/library/erg 。

[8] German GESTIS-Database of Hazardous Substances at http: / / gestis-en.itrust.de/。

[9] Sigma-Aldrich, at: https: / / www.sigmaaldrich.com/

Other information

The full text of the danger description mentioned in parts 2 and 3 of the safety technical specification

H 301 Swallowing causes poisoning.

H 317 May cause a skin allergic reaction.

H 351 carcinogenesis is suspected.