

Material Safety Data Sheet

Sec-butyl Acetate

Section 1 - Chemical Product and Company Identification

MSDS Name : Sec-butyl Acetate
Synonyms : Sec-butyl Ester
Company Identification : Tradeasia International Pte Limited
Email : contact@chemtradeasia.com

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent
105-46-4	Sec-butyl Acetate	100

Section 3 - Hazards Identification

GHS Classification: Flammable liquids (Category 2)

GHS Label elements, including precautionary statements

Signal word: Danger

Hazard statement(s):

H225: Highly flammable liquid and vapour.

Precautionary statement(s): Prevention:

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response: P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

Storage: P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal: P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards: Repeated exposure may cause skin dryness or cracking.

Section 4 - First Aid Measures

Description of first aid measures: General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact: Wash off with soap and plenty of water. Consult a physician.

In case of eye contact. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 5 - Fire Fighting Measures

Extinguishing media: Suitable extinguishing media. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture: Carbon oxides. Nature of decomposition products not known.

Advice for firefighters: Wear self contained breathing apparatus for fire fighting if necessary.

Further information: Use water spray to cool unopened containers.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up: Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations.

Section 7 - Handling and Storage

Precautions for safe handling: Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

Conditions for safe storage, including any incompatibilities: Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section 8 - Exposure Controls, Personal Protection

Exposure controls: Appropriate engineering controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment: Eye/face protection: Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection: Impervious clothing, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Section 9 - Physical and Chemical Properties

Information on basic physical and chemical properties:

Appearance Form	: liquid
Melting point/freezing point, Melting point/range	: -99 °C - lit.
Initial boiling point and boiling range	: 111 - 112 °C - lit.
Flash point	: 16 °C
Relative density	: 0.872 g/cm ³ at 25 °C

Section 10 - Stability and Reactivity

Conditions to avoid: Heat, flames and sparks.

Heat, flames and sparks. Extremes of temperature and direct sunlight.

Incompatible materials: Strong oxidizing agents

Section 11 - Toxicological Information

Information on toxicological effects:

Acute toxicity: LD50 Oral - rat - 3,200 mg/kg

Carcinogenicity: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Potential health effects: Inhalation May be harmful if inhaled. Causes respiratory tract irritation.

Ingestion: May be harmful if swallowed.

Skin: May be harmful if absorbed through skin. Causes skin irritation.

Eyes: Causes serious eye irritation.

Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Additional Information: RTECS: AF7380000

Section 12 - Ecological Information

No information available.

Section 13 - Disposal Considerations

Waste treatment methods: Product: Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Dispose of as unused product.

Section 14 - Transport Information

UN number: ADR/RID: 1123 IMDG: 1123 IATA-DGR: 1123

UN proper shipping name:

ADR/RID: BUTYL ACETATES (sec-Butyl acetate)

IMDG: BUTYL ACETATES (sec-Butyl acetate)

IATA-DGR: Butyl acetates (sec-Butyl acetate)

Transport hazard class(es): ADR/RID: 3 IMDG: 3 IATA-DGR: 3

Packaging group: ADR/RID: II IMDG: II IATA-DGR: II

Environmental hazards: ADR/RID: no IMDG Marine pollutant: no IATA-DGR: no

Section 15 - Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture Notification status:

AICS: Not in compliance with the inventory - sec-Butyl acetate

DSL: All components of this product are on the Canadian DSL list.

ENCS: On the inventory, or in compliance with the inventory

IECSC: On the inventory, or in compliance with the inventory

ISHL: On the inventory, or in compliance with the inventory

KECI: On the inventory, or in compliance with the inventory

NZIoC: On the inventory, or in compliance with the inventory

PICCS: Not in compliance with the inventory - sec-Butyl acetate

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall Tradeasia International Pte. Ltd. Be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Tradeasia International Pte. Ltd. has been advised of the possibility of such damages.