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Material Safety Data Sheet

Butafosfan MSDS

Section 1: Chemical Product and Company Identification

Product Name: Butafosfan

Catalog Codes: Not applicable.

CAS#: 17316-67-5

RTECS: Not applicable.

TSCA: Not applicable.

CI#: Not applicable.

Synonym: 1-(butylamino)-1-methylethyl]-phosphonic acid

Chemical Name: Not applicable.

Chemical Formula: C7H18NO2P

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Section 2: Composition and Information on Ingredients

Synonyms : 2-(butylamino)propan-2-ylphosphinic acid

Formula : C7H18NO2P

Molecular Weight : 179.20 g/mol

CAS-No. : 17316-67-5

EC-No. : 241-341-7

Hazardous ingredients according to Regulation (EC) No 1272/2008

Component	Classification	Concentration
Butafosfan		
CAS-No. 17316-67-5		<= 100 %
EC-No. 241-341-7		

Hazardous ingredients according to Directive 1999/45/EC		
Component	Classification	Concentration
Butafosfan		
CAS-No. 17316-67-5 EC-No. 241-341-7		<= 100 %

For the full text of the H-Statements and R-Phrases mentioned in this Section, see Section 16

Section 3: Hazards Identification

Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008
 For the full text of the H-Statements mentioned in this Section, see Section 16.
Classification according to EU Directives 67/548/EEC or 1999/45/EC
 not available
 For the full text of the R-phrases mentioned in this Section, see Section 16.
Label elements
Labelling according Regulation (EC) No 1272/2008
 Hazard statement(s)
 Precautionary statement(s)
 Supplemental Hazard Statements None
Other hazards
 None

Section 4: First Aid Measures

Description of first aid measures
General advice
 Consult a physician. Show this safety data sheet to the doctor in attendanc.
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
 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
 The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
Indication of any immediate medical attention and special treatment needed
 no data available

Section 5: Fire and Explosion Data

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 dioxide, nitrogen oxides (NO_x), Hydrogen chloride gas

Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

Further information

no data available

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas.

Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

For personal protection see section 8.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

Section 7: Handling and Storage

Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed.

For precautions see section 2.2.

Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Store under inert gas. Hygroscopic.

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

Section 8: Exposure Controls/Personal Protection

Control parameters

Components with workplace control parameters

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

Safety glasses with side-shields conforming to EN166 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, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges.

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance White to off-white crystal powder

pH Not available

Melting point Not available

Boiling point Not available

Autoignition Temperature Not available

Flash Point Not available

Explosion Limits: Lower Not available

Explosion Limits: Upper Not available

Decomposition Temperature Not available

Solubility in water Not available

Specific Gravity/Density Not available

Other safety information

no data available

Section 10: Stability and Reactivity Data

Reactivity

no data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

no data available

Conditions to avoid

Avoid moisture.

Incompatible materials

acids, Acid chlorides, Acid anhydrides, Oxidizing agents

Hazardous decomposition products

Other decomposition products - no data available

In the event of fire: see section 5

Section 11: Toxicological Information

Information on toxicological effects

Acute toxicity

no data available

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitisation

Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals. The preceding data, or interpretation of data, was determined using Quantitative Structure Activity

Relationship (QSAR) modeling.

Germ cell mutagenicity

no data available

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.

Reproductive toxicity

no data available

Specific target organ toxicity - single exposure

Inhalation - May cause respiratory irritation.

Specific target organ toxicity - repeated exposure

no data available

Aspiration hazard

no data available

Additional Information

RTECS: Not available

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

Section 12: Ecological Information

Toxicity

no data available

Persistence and degradability

no data available

Bioaccumulative potential

no data available

Mobility in soil

no data available

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects

no data 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 nonrecyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of as unused product.

Section 14: Transport Information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

Section 15: Other Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

no data available

Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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