

OTTO CHEMIE PVT LTD

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-----ISO 9001: 2015-----

MATERIAL SAFETY DATA SHEET

1. Identification

1.1GHS Product identifier
Butyl stearate
Code B 2420

2. Hazard identification

2.1Classification of the substance or mixture

Not classified.

2.2GHS label elements, including precautionary statements

Pictogram(s) No symbol.
Signal word No signal word.
Hazard statement(s) none
Precautionary statement(s)
Prevention none
Response none
Storage none
Disposal none

2.3Other hazards which do not result in classification
none

3. Composition/information on ingredients

3.1Substances

Chemical name	Common names and synonyms	CAS number	EC number	Concentration
butyl octadecanoate	butyl octadecanoate	123-95-5	none	100%

4. First-aid measures

4.1Description of necessary 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

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2Most important symptoms/effects, acute and delayed

no data available

4.3Indication of immediate medical attention and special treatment needed, if necessary

no data available

5. Fire-fighting measures

5.1Extinguishing media

Suitable extinguishing media

CARBON DIOXIDE, DRY CHEMICAL, FOG OR MIST.

5.2Specific hazards arising from the chemical

no data available

5.3Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

6. Accidental release measures

6.1Personal 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.

6.2Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3Methods and materials for containment and cleaning up

Pick up and arrange disposal. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. Handling and storage

7.1Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Avoid exposure - obtain special instructions before use. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.

7.2Conditions for safe storage, including any incompatibilities

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

8. Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure limit values

no data available

Biological limit values

no data available

8.2 Appropriate engineering controls

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

8.3 Individual protection measures, such as personal protective equipment (PPE)

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

Wear impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. 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.

Respiratory protection

Wear dust mask when handling large quantities.

Thermal hazards

no data available

9. Physical and chemical properties

Physical state light yellow liquid or semi-solid

Colour Crystals from alcohol, propanol, or ether

Odour ODORLESS OR FAINTLY FATTY ODOR

Melting point/ freezing point -37°C (lit.)

Boiling point or initial boiling point and boiling range 66°C/11mmHg (lit.)

Flammability no data available

Lower and upper explosion limit / flammability limit no data available

Flash point 160°C

Auto-ignition temperature 671 DEG F (355 DEG C)

Decomposition temperature no data available

pH no data available

Kinematic viscosity no data available

Solubility Insoluble in water; soluble in ethanol; very soluble in acetone

Partition coefficient n-octanol/water (log value) no data available

Vapour pressure 5.80X10⁻⁶ mm Hg @ 25°C

Density and/or relative density 0.861g/mL at 20°C (lit.)

Relative vapour density 11.4 (AIR= 1)

Particle characteristics no data available

10. Stability and reactivity

10.1 Reactivity

no data available

10.2 Chemical stability

STABLE LIQUID

10.3 Possibility of hazardous reactions

no data available

10.4 Conditions to avoid

no data available

10.5 Incompatible materials

no data available

10.6 Hazardous decomposition products

When heated to decomposition it emits acrid smoke and irritating fumes.

11. Toxicological information

Acute toxicity

Oral: LD50 Rat oral 32 g/kg

Inhalation: no data available

Dermal: no data available

Skin corrosion/irritation

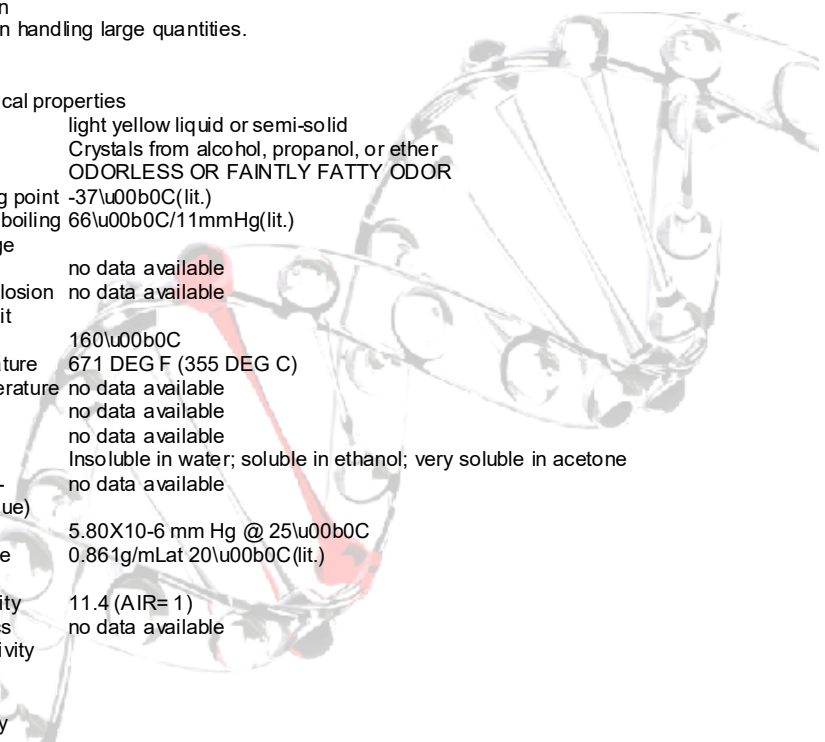
no data available

Serious eye damage/irritation

no data available

Respiratory or skin sensitization

no data available



Germ cell mutagenicity

no data available

Carcinogenicity

A4; Not classifiable as a human carcinogen. /Stearates; does not include stearates of toxic metals/

Reproductive toxicity

no data available

STOT-single exposure

no data available

STOT-repeated exposure

no data available

Aspiration hazard

no data available

12.Ecological information

12.1Toxicity

Toxicity to fish: no data available

Toxicity to daphnia and other aquatic invertebrates: no data available

Toxicity to algae: no data available

Toxicity to microorganisms: no data available

12.2Persistence and degradability

AEROBIC: By analogy to chemically similar long chain fatty acid esters that were rapidly degraded by mixed sewage sludge(1-3), n-butyl stearate is expected to rapidly biodegrade under aerobic conditions(SRC).

12.3Bioaccumulative potential

An estimated BCF of 1 was calculated for n-butyl stearate(SRC), using an estimated log Kow of 9.70(1,SRC) and a regression-derived equation(2). According to a classification scheme(3), the estimated BCF suggests the potential for bioconcentration in aquatic organisms is low.

12.4Mobility in soil

Using a structure estimation method based on molecular connectivity indices(1), the Koc for n-butyl stearate can be estimated to be about 39,000(SRC). According to a classification scheme(2), this estimated Koc value suggests that butyl stearate is expected to be immobile in soil.

12.5Other adverse effects

no data available

13.Disposal considerations

13.1Disposal methods

Product

The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

Contaminated packaging

Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

14.Transport information

14.1UN Number

ADR/RID: UN3265

IMDG: UN3265

IATA: UN3265

14.2UN Proper Shipping Name

ADR/RID: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.

IMDG: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.

IATA: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.

14.3Transport hazard class(es)

ADR/RID: 8

IMDG: 8

IATA: 8

14.4Packing group, if applicable

ADR/RID: III

IMDG: III

IATA: III

14.5Environmental hazards

ADR/RID: no

IMDG: no

IATA: no

14.6Special precautions for user

no data available

14.7Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

no data available

15.Regulatory information

15.1Safety, health and environmental regulations specific for the product in question

Chemical name	Common names and synonyms	CAS number	EC number
butyl octadecanoate	butyl octadecanoate	123-95-5	none
European Inventory of Existing Commercial Chemical Substances (EINECS)			Listed.
EC Inventory			Listed.
United States Toxic Substances Control Act (TSCA) Inventory			Listed.
China Catalog of Hazardous chemicals 2015			Not Listed.
New Zealand Inventory of Chemicals (NZIoC)			Listed.
Philippines Inventory of Chemicals and Chemical Substances (PICCS)			Listed.
Vietnam National Chemical Inventory			Listed.
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)			Listed.

Section 16: Other Information

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products.

