



Material Safety Data Sheet (2001/58/EC)

1. Identification of the substance/preparation and of the company

• Date of issue: Jan. 7, 2013

Product name: 1041 Octanol Natural

Recommended use: Flavorings

Manufacturer: Advanced Biotech, Totowa, NJ 07512

• Emergency telephone no.: 1-800-535-5053 (Infotrac)

1-352-323-3500 International (call collect)

2. Composition/information on ingredients

Chemical identity: Octyl alcohol
Molecular formula: C₈H₁₈O
CAS No.: 111-87-5
EC No.: 203-917-6

• EC-Index-No.: N/a

3. Hazards identification

Irritating to eyes.

4. First aid measures

After inhalation: Provide with fresh air

After skin contact:
 Take off all contaminated clothing, wash with

plenty of water

After eye contact:
 Rinse thoroughly with plenty of water and seek

medical advice

After swallowing: Immediately drink plenty of water; Seek

medical advice and show this container or label

5. Fire-fighting measures

Suitable extinguishing media:

Carbon Dioxide (CO₂), foam, powder, spray water

Special protective equipment for fire fighting:

Do not stay in danger zone without self-contained breathing apparatus.

Other information:

Cool container with water spray from a safe distance. Contain escaping vapors with water. Prevent fire-fighting water from entering surface water or groundwater. Keep away from sources of ignition.

Special risks:

Combustible. Vapors heavier than air. May form explosive mixtures with air at ambient temperatures. Development of hazardous combustion gases or vapors possible in the event of fire.

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6. Accidental release measures

Person-related precautionary measures:

Do not inhale vapors/aerosols. Ensure supply of fresh air in enclosed rooms.

• Environmental-protection measures:

Do not allow to enter sewage system.

Procedures for cleaning / absorption:

Take up with liquid-absorbent material. Forward for disposal. Clean affected area.

7. Handling and storage

Handling:

Take precautionary measures against static discharges. Keep away from source of ignition. When using do not eat or drink.

Storage:

Tightly closed, in a well-ventilated place. Keep away from source of ignition - no smoking.

8. Exposure controls and personal protection

Exposure limits

Avoid contact with eyes, skin, clothing, and breathing vapor.

Personal protective equipment:

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Respiratory protection: Required when vapors/aerosols are generated.

Eye protection: Wear eye/ face protectionHand protection: Wear suitable gloves

• Industrial hygiene: Change contaminated clothing. Application of

skin-protective barrier cream recommended. Wash hands after working with substance.

9. Physical and chemical properties:

• Form: Liquid

Color: Colorless to pale yellow

Odor: Orange-rose

pH value at 10 g/l H₂O
 No information available

Boiling point: 195℃
Flash point: 65.5°C
Melting point: N/a

• Explosive properties: No information available

Lower explosion limit: 0.8 Vol%
Upper explosion limit: N/a
Ignition temperature: 270℃

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Oxidizing properties: Not oxidizing; Not flammable

Vapor pressure: 0.031hPa
 Density/specific gravity@20°C: 0.825-0.840
 Solubility in Water: Organic solvents: Soluble

10. Stability and reactivity

Conditions to be avoided: Heating

Substances to be avoided: Strong oxidizing agents, strong acids, strong

alkalis.

Hazardous decomposition

products:

Carbon monoxide, carbon dioxide

Further information:
 Keep away from sources of ignition.

Light sensitive.

11. Toxicological information

LD₅₀ oral, rat: >5000 mg/kg
 LD₅₀ dermal, rabbit: >5000 mg/kg

• LD₅₀ inhalation, rat: No information available

• Further toxicological information: May be harmful if inhaled, swallowed, or if

absorbed through the skin.

12. Ecological information

Biologic degradation

Biodegradation: 82% /28 d; (reduction DOC >70%; BOD>60%;

 BOD_5 to COD > 50%

Ecotoxic effects

Biological effects: No information available

Fish toxicity: P. Promelas LC 50: 13 mg/L / 96hr

Bacterial toxicity: Photobacterium phosphoreum EC50: 3.7-7.3

ma/L 30 min. microtox test

Daphnia toxicity: EC50; 23 mg/L /48h

Algeal toxicity: Desmodesmus subspicatus; IC50: 14 mg/L /

48h

Behavior in environmental compartments

Distribution: log P(oct): 2.78

Further ecological data

BOD5: 1.1 g/g, TOD: 2.95 g/g, COD: 82-98% from TOD. Do not allow to enter water, drain or soil.

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13. Disposal considerations

• Product:

according to official local regulations.

Packing:

according to official local regulations.

14. Transport information

Not subject to transport regulations.

15. Regulatory information

· Labeling according to EC Directives:

Symbol: Xi Irritant

R-phrases: 36 Irritating to eyes S-phrases: 26 Do not breathe vapor

EC-no.: 204-683-8

16. Other information

• The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

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