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Material Safety Data Sheet (2001/58/EC)

Octyl alcohol C₈H₁₈O

111-87-5

N/a

203-917-6

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

- Date of issue:
- Product name:
- Recommended use:

• Emergency telephone no.:

• Manufacturer:

Jan. 7, 2013 1041 Octanol Natural Flavorings Advanced Biotech, Totowa, NJ 07512 1-800-535-5053 (Infotrac) 1-352-323-3500 International (call collect)

2. Composition/information on ingredients

- Chemical identity:
- Molecular formula:
- CAS No.:
- EC No.:
- EC-Index-No.:

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 protection
 Hand 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°C

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 Oxidizing properties: Vapor pressure: Density/specific gravity@20°C: Solubility in Water: Organic solvents: 	Not oxidizing; Not flammable 0.031hPa 0.825-0.840 Insoluble Soluble	
10. Stability and reactivity		
Conditions to be avoided:Substances to be avoided:	Heating 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: LD₅₀ dermal, rabbit: LD₅₀ inhalation, rat: Further toxicological information: 	>5000 mg/kg >5000 mg/kg No information available 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: Fish toxicity: Bacterial toxicity: Daphnia toxicity: Algeal toxicity:	No information available P. Promelas LC 50: 13 mg/L / 96hr Photobacterium phosphoreum EC50: 3.7-7.3 mg/L 30 min. microtox test EC50; 23 mg/L /48h 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: EC-no.:	26	Do not breathe vapor 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.

Issued by:

Contact person:

Advanced Biotech 10 Taft Road Totowa, NJ 07512 - USA Robert S. DeSimone, Ph.D., M.B.A.