

Printing date 01/16/2024

Reviewed on 01/10/2023

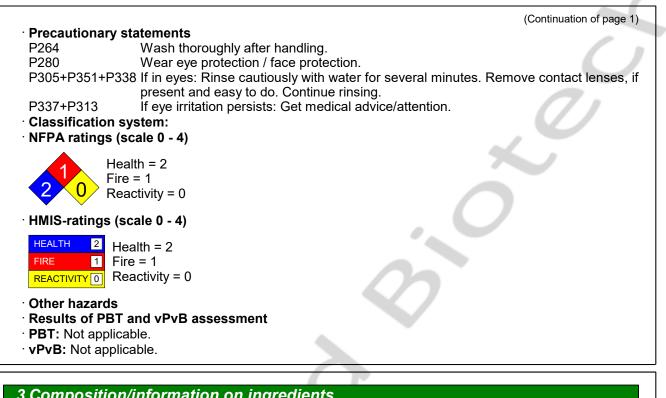




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Trade name: Nonanol natural



3 Composition/information on ingredients

- Chemical characterization: Substances
- · CAS No. Description
- CAS: 143-08-8 Nonyl alcohol · Identification number(s)
- EC number: 205-583-7

4 First-aid measures

- Description of first aid measures
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- · After skin contact: Generally the product does not irritate the skin.
- · After eye contact:
- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- · After swallowing: If symptoms persist consult doctor.
- Information for doctor:
- Most important symptoms and effects, both acute and delayed No further relevant information available.
- Indication of any immediate medical attention and special treatment needed No further relevant information available.

5 Fire-fighting measures

- · Extinguishing media
- Suitable extinguishing agents:
- CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Special hazards arising from the substance or mixture No further relevant information available. (Continued on page 3)



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- Advice for firefighters
- Protective equipment: No special measures required.
- · Additional information
- Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

- · Personal precautions, protective equipment and emergency procedures Not required.
- · Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- Reference to other sections
 See Section 7 for information on safe handling.
 See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.
- Protective Action Criteria for Chemicals
- · PAC-1:
- 11 mg/m³
- · PAC-2:
- 120 mg/m³
- · PAC-3:
- 710 mg/m³

7 Handling and storage

- · Handling:
- Precautions for safe handling No special precautions are necessary if used correctly.
- · Information about protection against explosions and fires: No special measures required.
- · Conditions for safe storage, including any incompatibilities
- · Storage:
- **Requirements to be met by storerooms and receptacles:** No special requirements.

Please refer to the product specification and/or Certificate of Analysis for product storage requirements.

- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

• Additional information about design of technical systems: No further data; see section 7.

- · Control parameters
- · Components with limit values that require monitoring at the workplace: Not required.

• Additional information: The lists that were valid during the creation were used as a basis.

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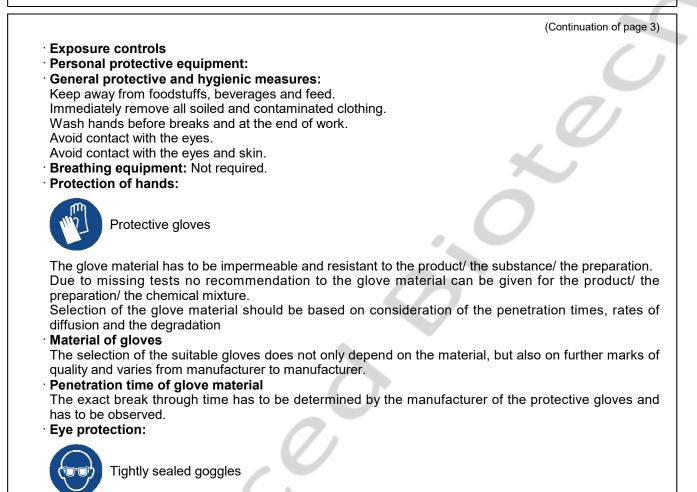
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Information on basic physical and		
General Information	Molecular Weight: 144.26 g/mol	
Appearance:		
Form:	Liquid	
Color:	According to product specification	
Odor:	According to product specification	
Odor threshold:	Not determined.	
pH-value:	Not determined.	
Change in condition		
Melting point/Melting range:	-5 °C (23 °F)	
Boiling point/Boiling range:	213-215 °C (415.4-419 °F)	
Flash point:	99 °C (210.2 °F)	
Flammability (solid, gaseous):	Not applicable.	



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Not determined.
Not determined.
Product does not present an explosion hazard.
Not determined.
Not determined.
0.13 hPa (0.1 mm Hg)
0.825-0.84 g/cm³ (6.88463-7.0098 lbs/gal)
0.825-0.840 @ 20 °C (33.5-33.5 @ 68 °F)
Not determined.
Not determined.
Not determined.
Not miscible or difficult to mix.
ter): Not determined.
Not determined.
Not determined.
0.00 %
0.0 g/l / 0.00 lb/gal
No further relevant information available.

10 Stability and reactivity

- · Reactivity No further relevant information available.
- · Chemical stability
- Thermal decomposition / conditions to be avoided:
- No decomposition if used according to specifications.
- · Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

· Information on toxicological effects

· Acute toxicity:

· LD/LC50 values that are relevant for classification:

CAS: 143-08-8 Nonyl alcohol

- Oral LD50 6,400 mg/kg (mouse)
- Dermal LD50 5,660 mg/kg (rabbit)

Primary irritant effect:

- · on the skin: No irritant effect.
- · on the eye: Irritating effect.

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- · Sensitization: No sensitizing effects known.
- · Additional toxicological information:
- Carcinogenic categories
- · IARC (International Agency for Research on Cancer)

Substance is not listed.

• NTP (National Toxicology Program)

Substance is not listed.

· OSHA-Ca (Occupational Safety & Health Administration)

Substance is not listed.

12 Ecological information

- · Toxicity
- · Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- · Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- Mobility in soil No further relevant information available.
- Additional ecological information:
- · General notes:
- Water hazard class 1 (Assessment by list): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- Results of PBT and vPvB assessment
- · PBT: Not applicable.
- · **vPvB:** Not applicable.
- Other adverse effects No further relevant information available.

13 Disposal considerations

- · Waste treatment methods
- Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations.

· UN-Number	
DOT, IMDG, IATA	UN3082
· UN proper shipping name	
DOT	Environmentally hazardous substance, liquid, n.o. (Nonyl alcohol)



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IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
ΙΑΤΑ	LIQUID, N.O.S. (Nonyl alcohol), MARINE POLLUTANT ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
	LIQUID, N.O.S. (Nonyl alcohol)
Transport hazard class(es)	(7)
DOT, IMDG, IATA	
Class Label	9 Miscellaneous dangerous substances and articles 9
Packing group	
DOT, IMDG, IATA	
Environmental hazards:	
Marine pollutant:	Yes
	Symbol (fish and tree)
Special marking (ADR):	Symbol (fish and tree)
Special marking (IATA):	Symbol (fish and tree)
Special precautions for user	Warning: Miscellaneous dangerous substances and articles
Stowage Category	A
Transport in bulk according to Annex	ll of
MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information:	
DOT	
Quantity limitations	On passenger aircraft/rail: No limit
Remarka.	On cargo aircraft only: No limit
Remarks:	Special marking with the symbol (fish and tree).
IMDG	-
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1
	Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
UN "Model Regulation":	UN 3082 ENVIRONMENTALLY HAZARDOUS
	SUBSTANCE, LIQUID, N.O.S. (NONYL ALCOHOL), 9, III

15 Regulatory information

 $^{\rm \cdot}$ Safety, health and environmental regulations/legislation specific for the substance or mixture $^{\rm \cdot}$ Sara

• Section 355 (extremely hazardous substances):

Substance is not listed.

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Safety Data Sheet acc. to OSHA HCS (29 CFR § 1910.1200)

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	atural
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· Section 313 (Specifi	c toxic chemical listings):
Substance is not liste	d.
· TSCA (Toxic Substa	nces Control Act):
ACTIVE	
· Hazardous Air Pollu	tants
Substance is not liste	
Proposition 65	
Chemicals known to	o cause cancer:
Substance is not liste	d.
· Chemicals known to	cause reproductive toxicity for females:
Substance is not liste	
	o cause reproductive toxicity for males:
Substance is not liste	
Substance is not liste	o cause developmental toxicity:
Substance is not liste	u.
Carcinogenic catego	
EPA (Environmental	
Substance is not liste	d.
TLV (Threshold Limi	it Value)
Substance is not liste	d.
NIOSH-Ca (National	Institute for Occupational Safety and Health)
Substance is not liste	d.
symbol on a white bac	shall be in the shape of a square set at a point and shall include a black hazard ckground with a red frame sufficiently wide to be clearly visible. sified and labeled according to the Globally Harmonized System (GHS).
P280 We P305+P351+P338 If i	eye irritation.

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16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Department issuing SDS: Product Safety Department

Contact: Product Safety Department productsafety@adv-bio.com

- Date of preparation / last revision 01/16/2024
- · Abbreviations and acronyms: ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA) HMIS: Hazardous Materials Identification System (USA) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety OSHA: Occupational Safety & Health TLV: Threshold Limit Value PEL: Permissible Exposure Limit **REL: Recommended Exposure Limit** Eye Irritation 2A: Serious eye damage/eye irritation - Category 2A