

SECTION 1. Identification

3-Nonanol

Synerzine[™] Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

1.1. Identification		
Product form	:	Substance
Substance name	:	3-Nonanol
CAS-No.	:	624-51-1
Product code	:	(US) W1485
Formula	:	С9Н20О
Synonyms	:	Nonan-3-ol
1.2. Recommended use	and restrictions	s on use
No additional information availab		
1.3. Supplier		
Synerzine 5340 Hwy 42 S Ellenwood, Georgia 30294 - USA T 404-524-6744 - F 404-577-1652 info@synerzine.com - www.syner	<u>zine.com</u>	
1.4. Emergency telepho		
Emergency number	:	Infotrac 1-800-535-5053 (Contract# 102471) Dial +1-352-323-3500 when outside the US
SECTION 2: Hazard(s) i	dentification	
2.1. Classification of th		mixture
GHS-US classification		
	401	Toxic to aquatic life
environment - Acute Hazard		
environment - Chronic	411	Toxic to aquatic life with long lasting effects
Hazard Category 2 Serious eye damage/eye H irritation Category 2B	320	Causes eye irritation
Full text of H statements : see sect	tion 16	
2.2 CUC Label element		
2.2. GHS Label element GHS-US labeling	s, menualing pret	cautionary statements
0		
Hazard pictograms (GHS-US)		
Signal word (GHS-US)	:	Warning
Hazard statements (GHS-US)	:	H320 - Causes eye irritation H401 - Toxic to aquatic life H411 - Toxic to aquatic life with long lasting effects
Precautionary statements (GHS-U	S) :	
2.3. Other hazards whic	ch do not result	in classification
No additional information availab	le	
2.4. Unknown acute tox	(icity (GHS US)	
Not applicable		

Not applicable

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	ation on ingredients			
3.1. Substances				
Name		Product identifier	%	GHS-US classification
3-Nonanol (Main constituent)		(CAS-No.) 624-51-1	98 - 100	Aquatic Acute 2, H401 Aquatic Chronic 2, H411 Eye Irrit. 2B, H320
Full text of hazard classes and H-statements : se	ee section 16			
3.2. Mixtures				
Not applicable				
SECTION 4: First-aid measures				
4.1. Description of first aid measu	ires			
First-aid measures after inhalation	: Remove person to fresh air	r and keep comfortable for	breathing.	
First-aid measures after skin contact	: Wash skin with plenty of w			
First-aid measures after eye contact	Continue rinsing. If eye irr	itation persists: Get medica	l advice/atte	lenses, if present and easy to do. ention.
First-aid measures after ingestion	: Call a poison center/docto	r/physician if you feel unw	ell.	
4.2. Most important symptoms an	d effects (acute and delaye	ed)		
Symptoms/effects after eye contact	: Mild eye irritation.			
4.3. Immediate medical attention	and special treatment, if n	ecessary		
Treat symptomatically.				
SECTION 5: Fire-fighting measu	res			
5.1. Suitable (and unsuitable) ext				
Suitable extinguishing media	: Water spray. Dry powder.	Foam. Carbon dioxide.		
5.2. Specific hazards arising from				
Reactivity	: The product is non-reactiv	e under normal conditions	of use, stora	ge and transport.
5.3. Special protective equipment	-			· ·
Protection during firefighting	: Do not attempt to take acti apparatus. Complete prote	on without suitable protec	tive equipmo	ent. Self-contained breathing
SECTION 6: Accidental release n	neasures			
6.1. Personal precautions, protect	tive equipment and emerge	ncy procedures		
6.1.1. For non-emergency personnel Emergency procedures	: Ventilate spillage area. Avo	oid contact with skin and ey	/es.	
6.1.2. For emergency responders				
Protective equipment	: Do not attempt to take acti to section 8: "Exposure con			ent. For further information refe
6.2. Environmental precautions				
Avoid release to the environment.				
6.3. Methods and material for con	tainment and cleaning up			
For containment	: Collect spillage.			
Methods for cleaning up	: Take up liquid spill into ab	sorbent material.		
Other information	: Dispose of materials or sol	id residues at an authorize	d site.	
6.4. Reference to other sections				
For further information refer to section 13.				
SECTION 7: Handling and storag	e			
7.1. Precautions for safe handling				
Precautions for safe handling	: Ensure good ventilation of protective equipment.	the work station. Avoid co	ntact with sl	kin and eyes. Wear personal
Hygiene measures	: Do not eat, drink or smoke	when using this product. A	Always wash	hands after handling the
	product.			

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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

: Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls Environmental exposure controls : Ensure good ventilation of the work station.: Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

SECTION 9: Physical and chemical properties 9.1. Information on basic physical and chemical properties

5.1. Information on basic physical	
Physical state	: Liquid
Appearance	: A colorless liquid.
Color	: colorless
Odor	: herbaceous, mildly spicy-earthy odor
Odor threshold	: No data available
pH	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: 192 - 194 °C
Flash point	: 205 °F closed cup
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Specific gravity / density	: 0.821 - 0.828 g/ml
Molecular mass	: 144.26 g/mol
Solubility	: insoluble in water. soluble in alcohols.
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available

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Oxidizing properties	: No data available
9.2. Other information	
No additional information available	
SECTION 10: Stability and reactiv	<i>v</i> ity
10.1. Reactivity	
The product is non-reactive under normal condit	cions of use, storage and transport.
10.2. Chemical stability	
Stable under normal conditions.	
10.3. Possibility of hazardous reaction	ons
No dangerous reactions known under normal co	nditions of use.
10.4. Conditions to avoid	
None under recommended storage and handling	conditions (see section 7).
10.5. Incompatible materials	
No additional information available	
10.6. Hazardous decomposition prod	lucts
Under normal conditions of storage and use, haza	ardous decomposition products should not be produced.
SECTION 11: Toxicological inform	nation
11.1. Information on toxicological et	ffects
Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes eye irritation.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Considia tangat angan tanjaity single angang	Net description

Specific target organ toxicity – single exposure	: Not classified
Specific target organ toxicity – repeated exposure	: Not classified
Aspiration hazard	: Not classified
Symptoms/effects after eye contact	: Mild eye irritation.

12.1.	DN 12: Ecological informatio	
Ecology -	general	: Toxic to aquatic life with long lasting effects. Toxic to aquatic life.
12.2.	Persistence and degradability	
No additi	onal information available	
12.3.	Bioaccumulative potential	
No addit	ional information available	
12.4.	Mobility in soil	
No additi	onal information available	
12.5.	Other adverse effects	
No additi	onal information available	

SECTION 13: Disposal considerations 13.1. Disposal methods Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions. EN (English US) 06/22/2018 4/7

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: UN3082

: Yes

: Yes

: III - Minor Danger

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Transport document description UN-No.(DOT) Proper Shipping Name (DOT) Class (DOT) Packing group (DOT) Hazard labels (DOT)

Dangerous for the environment Marine pollutant

DOT Packaging Non Bulk (49 CFR 173.xxx)
DOT Packaging Bulk (49 CFR 173.xxx)
DOT Symbols
DOT Special Provisions (40 CEP 172 102)

	₹¥2
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203
DOT Packaging Bulk (49 CFR 173.xxx)	: 241
DOT Symbols	: G - Identifies PSN requiring a technical name
DOT Special Provisions (49 CFR 172.102)	 8 - A hazardous substance that is not a hazardous waste may be shipped under the shipping description "Other regulated substances, liquid or solid, n.o.s.", as appropriate. In addition, for solid materials, special provision B54 applies. 146 - This description may be used for a material that poses a hazard to the environment but does not meet the definition for a hazardous waste or a hazardous substance, as defined in 171.8 of this subchapter, or any hazard class as defined in Part 173 of this subchapter, if it is designated as environmentally hazardous by the Competent Authority of the country of origin, transit or destination. 173 - An appropriate generic entry may be used for this material. 335 - Mixtures of solids that are not subject to this subchapter and environmentally hazardous liquids or solids may be classified as "Environmentally hazardous substances, solid, n.o.s," UN3077 and may be transported under this entry, provided there is no free liquid visible at the time the material is loaded or at the time the packaging or transport unit is closed. Each transport unit must be leak-proof when used as bulk packaging. IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672). T4 - 2.65 178.274(d)(2) Normal
DOT Packaging Exceptions (49 CFR 173.xxx)	: 155
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: No limit
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: No limit
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
Other information	: No supplementary information available.

: UN3082 Environmentally hazardous substances, liquid, n.o.s., 9, III

: 9 - Class 9 - Miscellaneous hazardous material 49 CFR 173.140

: Environmentally hazardous substances, liquid, n.o.s.

: 9 - Class 9 (Miscellaneous dangerous materials)

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Transportation of Dangerous Goods

Transport by sea

- Transport document description (IMDG) UN-No. (IMDG) Proper Shipping Name (IMDG) Class (IMDG) Packing group (IMDG) Limited quantities (IMDG) Marine pollutant
- : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III
- : 3082
- : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
- : 9 Miscellaneous dangerous substances and articles
- : III substances presenting low danger
- : 5 L



Air transport

Transport document description (IATA)	: UN 3082 Environmentally hazardous substance, liquid, n.o.s., 9, III
UN-No. (IATA)	: 3082
Proper Shipping Name (IATA)	: Environmentally hazardous substance, liquid, n.o.s.
Class (IATA)	: 9 - Miscellaneous Dangerous Goods
Packing group (IATA)	: III - Minor Danger

SECTION 15: Regulatory information

15.1. US Federal regulations

3-Nonanol (624-51-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

3-Nonanol (624-51-1)

Listed on the Canadian NDSL (Non-Domestic Substances List)

EU-Regulations

3-Nonanol (624-51-1)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

3-Nonanol (624-51-1)

Listed on the AICS (Australian Inventory of Chemical Substances)

- Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
- Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
- Listed on the Japanese ISHL (Industrial Safety and Health Law)

Listed on the Korean ECL (Existing Chemicals List)

Listed on NZIoC (New Zealand Inventory of Chemicals)

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Listed on the TCSI (Taiwan Chemical Substance Inventory)

15.3. US State regulations

No additional information available

SECTION 16: Other information

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Full text of H-phrases:	
H320	Causes eye irritation
H401	Toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects
NFPA health hazard	: 1 - Materials that, under emergency conditions, can cause significant irritation.
NFPA fire hazard	: 1 - Materials that must be preheated before ignition can occur.
NFPA reactivity	: 0 - Material that in themselves are normally stable, even under fire conditions.
Hazard Rating	
Health	: 1 Slight Hazard - Irritation or minor reversible injury possible
Flammability	: 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)
Physical	: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.
Personal protection	: B
	B - Safety glasses, Gloves

Synerzine US

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product