

1 - Product and Company Identification

Product name: Purton 9502/3
Product type/usage/industry: Fatty alkanolamide
Emulsifier and lubricant
Manufacturer/Supplier Information: Zschimmer and Schwarz, Inc.
70 GA Hwy. 22 W
Milledgeville, GA 31061
Phone: (478) 454-1942
Emergency contact: **Company:** (478) 454-1942
CHEMTREC (24HR): (800) 424-9300

2 – Hazards Identification

Classification of the substance or mixture: Classification of this substance/mixture is based on
29 CFR 1910.1200/HazCom 2012 (GHS-US)

Serious Eye Damage/Irritation	Category 2A	H319	Causes serious eye irritation
Skin Corrosion/Irritation	Category 2	H315	Causes skin irritation

Labelling:

Signal Word:

WARNING!

Hazard Symbols:



Precautionary Statements:

P264: Wash thoroughly after handling.
P280: Wear protective gloves /eye protection/face protection.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P337+313: If eye irritation persists get medical advice/attention.
P302+352: IF ON SKIN: Wash with plenty of soap and water.
P332+313: If skin irritation occurs: Get medical advice/attention.
P362+364: Take off contaminated clothing and wash it before reuse.

Key to Hazard Categories:

1=Severe Hazard 2=Serious Hazard 3=Moderate Hazard 4=Slight Hazard 5=Minimal Hazard

3 – Composition/Information on Ingredients

<u>CAS Number</u>	<u>Material or component</u>	<u>Avg % weight</u>
124-68-5	2-amino-2-methyl-1-propanol	< 30%

This is not intended to be a complete compositional disclosure. Information provided pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200/ HazCom 2012). See Section 8 for Exposure Limits, if any.

4 - First Aid Measures

- Eyes:** Immediately flush with gentle but large stream of water for 15 min, lifting upper and lower eyelids occasionally. If eye irritation persists, get medical advice/attention.
- Skin:** Wash affected area with soap and water. If itching or redness develops, seek medical attention. Contaminated clothing should be removed immediately and washed before reuse. Contaminated shoes should be discarded.
- Inhalation:** Move the person to fresh air. If breathing becomes difficult, contact a physician.
- Ingestion:** Do not induce vomiting. If large amounts were swallowed, give water to rinse mouth and get medical attention.

5 - Firefighting Measures

- Extinguishing Media:** Water spray, dry chemical, alcohol foam, or carbon dioxide.
- Unsuitable Extinguishing Media:** Water jet.
- Special Protective Equipment for Firefighters:** Self-contained breathing apparatus and protective clothing when fighting any chemical fire.
- Unusual Fire & Explosion Hazards:** In case of fire, containers may explode from internal pressure. Cool with water. May emit toxic fumes of CO_x and NO_x under fire conditions.

6 - Accidental Release Measures

- Personal precautions:** Avoid contact with skin and eyes. Avoid breathing vapors or mists. Keep people away from and upwind of spill/leak. Ensure adequate ventilation, especially in confined areas. Keep away from heat and sources of ignition.
- Environmental precautions:** P273: Avoid release to the environment
Limit leakage with earth or sand. Do not discharge into the drains/surface water/groundwater. Dispose of absorbed material in accordance with local, state and federal regulations.
- Methods for Containment/Cleaning Up:** Take up with absorbent material (e.g. vermiculite, general purpose binder). Dispose of absorbed material in accordance with local, state, and federal regulations.

7 - Handling and Storage

Handling: P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking
P261: Avoid breathing mists of product
P262: Do not get in eyes, on skin, or on clothing
P264: Wash thoroughly after handling
P280: Wear protective gloves/protective clothing/eye protection/face protection

Storage: P402+404: Store in a dry place. Store in a closed container
P403+233: Store in a well ventilated place. Keep container tightly closed
Protect from frost. Store in cool dry places between 50°F (10°C) and 122°F (50°C) in a tightly sealed container.

Special Packaging Requirements: Do not store in aluminum, zinc, copper, or galvanized containers.

Incompatible Materials or Fire/Explosion Protection: Store away from strong oxidizers, bases, strong acids.

8 - Exposure Controls/Personal Protection

Personal Protective Equipment (PPE):

Hand Protection: Use impervious gloves.

Eye Protection: Wear safety glasses with side shields or full face shield.

Skin Protection: Wear protective clothing.

Respiratory Protection: Recommended if ventilation is limited.

Engineering Measures/Controls:

Ventilation: Ensure adequate ventilation to maintain product at acceptable airborne levels.

Other measures: Eye-wash station.

Exposure Limits/Guidelines:

Material	CAS #	BASIS	TYPE	VALUE
None				

9 - Physical and Chemical Properties

Form and Appearance:	Amber liquid	Odor:	Amine
pH:	~10.0 @ 1%	Odor Threshold:	N/D
Boiling Point:	N/D	Melting/Freezing point:	N/D
Vapor Pressure:	N/D	Vapor Density (Air=1):	N/D
Flash Point:	>302°F (150°C)	Evaporation Rate:	< 0.01
UEL:	N/D	LEL:	N/D
Viscosity:	N/D	Solubility in Water:	Soluble
Octanol/Water Partition Coefficient:	N/D	Specific Gravity/ Bulk Density:	~ 0.92 @ 25°C
Auto-ignition temperature:	N/D	Decomposition Temperature:	N/D
Volatile content:	N/D	VOC Data:	N/D

10 - Stability and Reactivity

Chemical Stability:	Product is stable under ordinary conditions of use and storage.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Avoid exposure to extreme heat / ignition sources.
Incompatible Materials:	To strong oxidizers, bases, strong acids; aluminum, copper, zinc, and galvanized containers.
Hazardous Decomposition Products:	Extremely high temperatures and thermal decomposition may produce CO _x and NO _x .

11 - Toxicological Information

Acute Data:

Principle Routes of Exposure: Eye contact, skin contact, ingestion, inhalation (mist).

Acute Toxicity

Route of exposure:	Test type:	Species:	Results:	Comments:
Oral	LD50	Rat	>2000 mg/kg	H303: May be harmful if swallowed (can cause burns of the mouth and esophagus)

Irritation and Corrosion

Target organ:	Species:	Results:	Comments:
Eyes	Rabbit	Serious irritation	-
Skin	Rabbit	Irritating	-

Sensitization

Target organ:	Species:	Results:	Comments:
Skin	Human	No effects known	-

Specific Target Organ Toxicity – Single Exposure

Target organ:	Species:	Results:	Comments:
NDA			-

Chronic Data:

Carcinogenicity

IARC	NTP	ACGIH	OSHA
No	No	No	No

Mutagenicity: NDA

Reproductive Effects: NDA

Target Organ Effects: Repeated ingestion may cause kidney or liver effects.

12 - Ecological Information

Acute Aquatic Toxicity

Species:	Test type:	Exposure time:	Results:	Comments:
Fish	LC50	96h	>100 mg/l (ATE mix)	-
Daphnia magna	EC50	48h	>100 mg/l (ATE mix)	

Environmental Fate

Persistence/Degradability:	NDA
COD/BOD5:	NDA
Bioaccumulation Potential:	NDA
Mobility in Soil:	NDA
Other Adverse Effects:	NDA

13 - Disposal Considerations

Product:	Dispose of absorbed material/content and/or container in accordance with local, state, federal and/or international regulations.
Packaging:	NDA

14 - Transport Regulations

US DOT Regulations (Land Transport):

Proper Shipping Name:	Not regulated.
Hazard Class:	Not regulated.
UN Number:	Not regulated.
Packing Group:	Not regulated.
Label Required:	Not regulated.
Other Information:	Not regulated.

IATA/ICAO Regulations (Air Transport):

Proper Shipping Name:	Not regulated.
Hazard Class:	Not regulated.
UN Number:	Not regulated.
Packing Group:	Not regulated.
Label Required:	Not regulated.
Other Information:	Not regulated.

IMDG/IMO Regulations (Maritime Transport):

Proper Shipping Name:	Not regulated.
Hazard Class:	Not regulated.
UN Number:	Not regulated.
Packing Group:	Not regulated.
Label Required:	Not regulated.
EMS Number:	Not regulated.
Segregation Groups:	Not regulated.
Marine Pollutant (Y/N):	Not regulated.
Other Information:	Not regulated.

15 - Regulatory Information

Domestic Regulations

Components requiring notification

SARA 302 (TPQ)	SARA 304 (RQ)	SARA 313	CERCLA (RQ)	CAA 112(b) HAPS	CAA 112(r)
None	None	None	None	None	None

SARA 311/312 Hazard Categorization: Acute Health Hazard

State Information

California Proposition 65: May contain traces (< 100 ppm) of the following components known to the State of California to cause cancer, birth defects, or other reproductive harm.
None.

**State Right to Know/
Hazardous Substance List
Information:** The following chemicals are present on one or more Right to Know/Hazardous Substance Lists for the states of MA, MN, NJ, PA and RI.

2-amino-2-methyl-1-propanol (124-68-5)

This is not an exhaustive list. For information on listings in other states, please consult that state's RTK/HSL.

Chemical Inventories

United States (TSCA)	EUROPE (EINECS/ELINCS/NLP)	Australia (AICS)	Philippines (PICCS)	Canada		Korea (ECL)	Japan (ENCS/ISHL)	China (IECSC)	New Zealand (NZIoC)
				DSL	NDSL				
Yes	No	Yes	NDA	Yes	Yes	Yes	No	No	No

16 - Additional Information

Key to Abbreviations:

NDA - No data available N/D - Not determined N/A - Not applicable N/E - Not established

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