

1 - Product and Company Identification

Product name: Purton 9481/2

Product type/usage/industry: 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>
Proprietary 110-97-4	Fatty alkanolamide Diisopropanolamine	60 – 75% 25 – 40%

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. Get medical attention if irritation persists.
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 if you feel unwell.

5 - Firefighting Measures

Extinguishing Media:	Water spray, dry chemical, alcohol foam, or carbon dioxide.
Unsuitable Extinguishing Media:	Water jet - may spread fire.
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 COx and NOx 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/eye 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 moisture and freezing. Do not store together with acids. Store below 122°F (50°C).
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:	Viscous, yellow to amber liquid	Odor:	Amine
pH:	~10.0 @ 1%	Odor Threshold:	N/D
Boiling Point:	N/D	Melting/Freezing point:	<32°F (0°C)
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:	Slightly soluble
Octanol/Water Partition Coefficient:	N/D	Specific Gravity/ Bulk Density:	~ 0.96 @ 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 COx and NOx.

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	Derived from product of similar composition

Environmental Fate

Persistence/Degradability: Product is expected to be readily biodegradable.

COD/BOD5: NDA

Bioaccumulation Potential: Not expected to bioaccumulate.

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

IATA/ICAO Regulations (Air Transport):

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

IMDG/IMO Regulations (Maritime Transport):

Proper Shipping Name:	Not regulated.	UN Number:	Not regulated.
Hazard Class:	Not regulated.	Label Required:	Not regulated.
Packing Group:	Not regulated.	Segregation Groups:	Not regulated.
EMS Number:	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 (< 10 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.

Diisopropanolamine (110-97-4)

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	No	No	No	Yes	No	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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