

# SAFETY DATA SHEET



Issuing Date No data available

Revision Date 24-Oct-2017

Revision Number 3

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product Name** Versamid® Standard Series

**Products Included** Versamid® 115; Versamid® 125; Versamid® 140; Versamid® 150; Versamid® 2540

**Other means of identification**

**Product Code(s)** V 115

**UN/ID no** UN3082

**Synonyms** Polyamide Resin Solution

### Recommended use of the chemical and restrictions on use

**Recommended Use** Industrial use only

**Uses advised against** No information available

### Details of the supplier of the safety data sheet

**Supplier Address**  
Gabriel Phenoxies Inc.  
808 Cel-River Road  
Rock Hill, SC 27930

**Manufacturer Address**  
Gabriel Phenoxies Inc.  
808 Cel-River Road  
Rock Hill, SC 27930  
Contact Name: Regulatory Manager  
Tel: 1-866-800-2436 (CHEM)  
regulatory@gabrielchem.com  
www.gabrielchem.com

### Emergency telephone number

**Emergency Telephone** Chemtrec 1-800-424-9300 Outside U.S. 1-703-527-3887 (COLLECT)

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1A

### Label elements

#### **Danger**

#### **Hazard statements**

Causes skin irritation  
Causes serious eye damage  
May cause an allergic skin reaction

Toxic to aquatic life with long lasting effects

**Appearance** Yellow liquid**Physical state** Liquid**Odor** Ammonia-like**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Contaminated work clothing should not be allowed out of the workplace  
 Avoid release to the environment

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 Immediately call a POISON CENTER or doctor/physician  
 IF ON SKIN: Wash with plenty of soap and water  
 If skin irritation or rash occurs: Get medical advice/attention  
 Take off contaminated clothing and wash before reuse  
 Collect spillage

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other Information**

Toxic to aquatic life with long lasting effects

**Unknown acute toxicity** 97-99.9 % of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance**

**Synonyms** Polyamide Resin Solution.

Chemical name	CAS No	Weight-%	Trade secret
Fatty acids, C-18-unsatd., dimers, reaction products with polyethylenepolyamines	68410-23-1	97-99.9	*
Triethylene tetramine	112-24-3	0.1-3	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**Description of first aid measures**

**Inhalation** Remove to fresh air. Get medical attention if symptoms occur.

**Eye contact** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

**Skin contact** Wash off immediately with plenty of water. Take off contaminated clothing. Wash contaminated clothing before reuse. Get medical attention if irritation develops and persists.

**Ingestion** Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Get medical attention.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** No information available.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media** Dry chemical, CO<sub>2</sub>, or foam.

**Unsuitable extinguishing media** CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical** In the event of fire, cool tanks with water spray.

**Explosion data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Special protective equipment for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Ensure adequate ventilation.

**Environmental precautions**

**Environmental precautions** Keep out of waterways. Collect rinsate for disposal.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Keep away from open flames, hot surfaces and sources of ignition.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep/store only in original container. Keep at 10 - 40 °C.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

### Appropriate engineering controls

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Tight sealing safety goggles.

**Hand Protection** Wear suitable gloves.

**Skin and body protection** Wear suitable protective clothing.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

**Physical state** Liquid  
**Appearance** Yellow liquid  
**Odor** Ammonia-like  
**Color** amber  
**Odor threshold** -

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	-	
<b>Melting point / freezing point</b>	-	
<b>Boiling point / boiling range</b>	> 200 °C	
<b>Flash point</b>	> 293.4 °C	ASTM D92
<b>Evaporation rate</b>	-	
<b>Flammability (solid, gas)</b>	-	Not flammable
<b>Flammability Limit in Air</b>		
<b>Upper flammability limit:</b>	-	
<b>Lower flammability limit:</b>	-	
<b>Vapor pressure</b>	< 1 Pa	@ 20 °C
<b>Vapor density</b>	~ 0.98 g/cm <sup>3</sup>	@ 25 °C
<b>Relative density</b>	0.98	@ 25 °C
<b>Water solubility</b>	Insoluble in water	@ 20 °C
<b>Solubility in other solvents</b>	-	
<b>Partition coefficient</b>	-	
<b>Autoignition temperature</b>	-	
<b>Decomposition temperature</b>	-	No decomposition if stored and handled as prescribed/indicated.

Kinematic viscosity	-	
Dynamic viscosity	3100 - 3800 mPa s	ASTM D 3236-88
Explosive properties	-	
Oxidizing properties	-	

**Other Information**

Softening point	-
Molecular weight	-
VOC Content (%)	-
Liquid Density	-
Bulk density	-

**10. STABILITY AND REACTIVITY**

Reactivity	No information available.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	Reacts with acids and strong oxidizing agents.
Conditions to avoid	None known based on information supplied.
Incompatible materials	None known during use and storage if used according to instructions.
Hazardous decomposition products	None if stored and handled as prescribed/indicated.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure:****Product Information**

Inhalation	Specific test data for the substance or mixture is not available.
Eye contact	Specific test data for the substance or mixture is not available.
Skin contact	Specific test data for the substance or mixture is not available.
Ingestion	Specific test data for the substance or mixture is not available.

**Information on toxicological effects**

Symptoms	Causes skin irritation. May cause allergic skin reaction. Causes serious eye damage.
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**Numerical measures of toxicity****Acute toxicity**

The following values are calculated based on chapter 3.1 of the GHS document .

Unknown acute toxicity	97-99.9 % of the mixture consists of ingredient(s) of unknown toxicity
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Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Triethylene tetramine 112-24-3	= 2500 mg/kg ( Rat )	= 550 mg/kg ( Rabbit )	-

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

Skin corrosion/irritation	Causes skin irritation.
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<b>Serious eye damage/eye irritation</b>	Causes serious eye damage.
<b>Respiratory or skin sensitization</b>	May cause an allergic skin reaction.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	No information available.

## 12. ECOLOGICAL INFORMATION

This product contains a chemical which is listed as a marine pollutant according to DOT.

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Triethylene tetramine 112-24-3	2.5: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50 20: 72 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50 3.7: 96 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50	570: 96 h <i>Poecilia reticulata</i> mg/L LC50 semi-static 495: 96 h <i>Pimephales promelas</i> mg/L LC50	-	31.1: 48 h <i>Daphnia magna</i> mg/L EC50

**Persistence and degradability** No information available.

**Bioaccumulation** .

Chemical name	Partition coefficient
Triethylene tetramine 112-24-3	-1.4

**Other adverse effects** No information available.

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

<b>Waste from residues/unused products</b>	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
<b>Contaminated packaging</b>	Do not reuse empty containers.
<b>US EPA Waste Number</b>	D002.

## 14. TRANSPORT INFORMATION

**DOT**

<b>UN/ID no</b>	UN3082
<b>Proper shipping name</b>	Environmentally hazardous substance, liquid, n.o.s.
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>Special Provisions</b>	8, 146, 173, 335, IB3, T4, TP1, TP29
<b>Marine pollutant</b>	This product contains a chemical which is listed as a marine pollutant according to DOT.
<b>Description</b>	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Fatty Acid Amidoamine Resin, Triethylene tetramine), 9, III, Marine pollutant
<b>Emergency Response Guide Number</b>	171

**TDG**

<b>UN/ID no</b>	UN3082
<b>Proper shipping name</b>	Environmentally hazardous substance, liquid, n.o.s.
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>Description</b>	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Fatty Acid Amidoamine Resin, Triethylene tetramine), 9, III

**MEX**

<b>UN/ID no</b>	UN3082
<b>Proper shipping name</b>	Environmentally hazardous substance, liquid, n.o.s.
<b>Hazard Class</b>	9
<b>Special Provisions</b>	274, 331, 335
<b>Packing Group</b>	III
<b>Description</b>	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Fatty Acid Amidoamine Resin, Triethylene tetramine), 9, III

**ICAO (air)**

<b>UN/ID no</b>	UN3082
<b>Proper shipping name</b>	Environmentally hazardous substance, liquid, n.o.s.
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>Special Provisions</b>	A97, A158, A197
<b>Description</b>	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Fatty Acid Amidoamine Resin, Triethylene tetramine), 9, III

**IATA**

<b>UN/ID no</b>	UN3082
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>ERG Code</b>	9L
<b>Description</b>	UN3082, Environmentally hazardous substance, liquid, n.o.s. ((Fatty Acid Amidoamine Resin, Triethylene tetramine), 9, III

**IMDG**

<b>UN/ID no</b>	UN3082
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>EmS-No</b>	F-A, S-F
<b>Special Provisions</b>	274, 335, 969
<b>Marine pollutant</b>	This material meets the definition of a marine pollutant
<b>Description</b>	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Fatty Acid Amidoamine Resin, Triethylene tetramine), 9, III, Marine pollutant

**RID**

<b>UN/ID no</b>	UN3082
<b>Proper shipping name</b>	Environmentally hazardous substance, liquid, n.o.s.

<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>Classification code</b>	M6
<b>Special Provisions</b>	274, 335, 375, 601
<b>Description</b>	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Fatty Acid Amidoamine Resin, Triethylene tetramine), 9, III

**ADR**

<b>UN/ID no</b>	UN3082
<b>Proper shipping name</b>	Environmentally hazardous substance, liquid, n.o.s.
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>Classification code</b>	M6
<b>Special Provisions</b>	274, 335, 601, 375
<b>Description</b>	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Triethylene tetramine), 9, III (Fatty Acid Amidoamine Resin)
<b>Labels</b>	9

**ADN**

<b>Proper shipping name</b>	Environmentally hazardous substance, liquid, n.o.s.
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>Classification code</b>	M6
<b>Special Provisions</b>	274, 335, 375, 601
<b>Description</b>	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Triethylene tetramine), 9, III (Fatty Acid Amidoamine Resin)
<b>Hazard label(s)</b>	9
<b>Limited quantity (LQ)</b>	5 L
<b>Equipment Requirements</b>	PP

## 15. REGULATORY INFORMATION

**International Inventories**

<b>TSCA</b>	Listed
<b>DSL/NDSL</b>	Listed
<b>EINECS/ELINCS</b>	Listed
<b>ENCS</b>	Listed
<b>IECSC</b>	Listed
<b>KECL</b>	Listed
<b>PICCS</b>	Listed
<b>AICS</b>	Listed
<b>NZICS</b>	Listed
<b>TCSI</b>	Listed

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**NZICS** - New Zealand Inventory of Chemicals

**TCSI** - Taiwan Chemical Substance Inventory

**US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.



**SARA 311/312 Hazard Categories**

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations****US State Regulations**

Chemical name	New Jersey	Massachusetts	Pennsylvania
Triethylene tetramine 112-24-3	X	X	X

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR

Canadian NPRI	Not Listed
WHIMIS (Canada)	Class D2B: Skin/Eye Irritation reversible damage

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

<b>NFPA</b>	Health hazards 2	Flammability 1	Instability 0	Physical and chemical properties -
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<b>HMIS</b>	Health hazards 2	Flammability 1	Physical hazards 0	Personal protection X
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**Revision Date** 24-Oct-2017

**Revision Note** No information available.

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**