

Safety Data Sheet

VERSAMID® 115

Revision date : 2016/02/15

Page: 1/8

Version: 1.0

1. Identification

Product identifier used on the label

VERSAMID® 115

Recommended use of the chemical and restriction on use

Recommended use*: for industrial use only

* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheet

Company:

GABRIEL PHENOXIES INC.
808 CEL-RIVER ROAD
ROCK HILL, SC 29730, USA

Telephone: (803) 329-8059

Emergency telephone number

CHEMTREC: 1-800-424-9300
OUTSIDE U.S.: 1-703-527-3887 (COLLECT)

Other means of identification

Synonyms: Polyamdie Resin

2. Hazards Identification

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product

| | | |
|-------------------|----|--|
| Skin Corr./Irrit. | 2 | Skin corrosion/irritation |
| Eye Dam./Irrit. | 1 | Serious eye damage/eye irritation |
| Skin Sens. | 1B | Skin sensitization |
| Aquatic Chronic | 1 | Hazardous to the aquatic environment - chronic |

Label elements

Pictogram:

Safety Data Sheet

VERSAMID® 115

Revision date : 2016/02/15

Page: 2/8

Version: 1.0



Signal Word:
Danger

Hazard Statement:

H318 Causes serious eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P280 Wear protective gloves and eye/face protection.
P273 Avoid release to the environment.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P264 Wash with plenty of water and soap thoroughly after handling.

Precautionary Statements (Response):

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/physician.
P303 + P362 IF ON SKIN (or hair): Wash with plenty of soap and water.
P391 Collect spillage.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash before reuse.

Precautionary Statements (Disposal):

P501 Dispose of contents/container in accordance with local regulations.

According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Emergency overview

CAUTION:

Risk of serious damage to eyes.
Irritating to skin.
Use with local exhaust ventilation.
Wear suitable protective clothing, gloves and eye/face protection.
Wear full face shield if splashing hazard exists.
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

3. Composition / Information on Ingredients

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

| <u>CAS Number</u> | <u>Content (W/W)</u> | <u>Chemical name</u> |
|-------------------|-------------------------------|----------------------|
| Trade Secret | $\geq 99.0 - \leq 100.0$ % | Polyaminoamide |

According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

| <u>CAS Number</u> | <u>Content (W/W)</u> | <u>Chemical name</u> |
|-------------------|--------------------------|----------------------|
| Trade Secret | $\geq 99.0 - \leq 100.0$ | Polyaminoamide |

Safety Data Sheet

VERSAMID® 115

Revision date : 2016/02/15

Page: 3/8

Version: 1.0

%

4. First-Aid Measures

Description of first aid measures

If inhaled:

Fresh air.

If on skin:

After contact with skin, wash immediately with plenty of water and soap. Change contaminated clothing and shoes. Wash contaminated clothing before reuse. If irritation should develop, seek medical attention.

If in eyes:

Hold eyelids open to facilitate rinsing. Flush immediately with water for 20-30 minutes. Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Washing within one minute is essential to achieve maximum effectiveness. Immediate medical attention required.

If swallowed:

Do not induce vomiting. If vomiting occurs naturally, keep airway clear. Obtain medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

Most important symptoms and effects, both acute and delayed

Indication of any immediate medical attention and special treatment needed

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:

water spray, foam, carbon dioxide, dry powder

Special hazards arising from the substance or mixture

Advice for fire-fighters

Protective equipment for fire-fighting:

Wear a self-contained breathing apparatus.

Further information:

If exposed to fire, keep containers cool by spraying with water.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Environmental precautions

Prevent entry into sewage systems, ground and surface waters.

Safety Data Sheet

VERSAMID® 115

Revision date : 2016/02/15

Page: 4/8

Version: 1.0

Methods and material for containment and cleaning up

Pick up spilled material and containerize for recovery or disposal.

7. Handling and Storage

Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame.

Conditions for safe storage, including any incompatibilities

Further information on storage conditions: Keep container tightly sealed. Keep in a cool place. Keep only in the original container.

Protect from temperatures below: 10 °C

Protect from temperatures above: 40 °C

8. Exposure Controls/Personal Protection

Advice on system design:

Ensure adequate ventilation.

Personal protective equipment

Respiratory protection:

Not applicable with adequate ventilation. Wear a NIOSH-certified (or equivalent) respirator as necessary. Follow manufacturer's recommendations.

Hand protection:

Chemical resistant protective gloves

Eye protection:

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

General safety and hygiene measures:

Adequate personal protective equipment should be worn by all personnel involved in the clean-up work.

9. Physical and Chemical Properties

| | | |
|-----------------------------|---------------|------------------------|
| Form: | liquid | |
| Odour: | ammonia-like | |
| Colour: | amber | |
| pH value: | | not applicable |
| solidification temperature: | 15 - 20 °C | See user defined text. |
| boiling temperature: | > 200 °C | |
| Flash point: | > 293.40 °C | (ASTM D92) |
| Flammability: | not flammable | |
| Upper explosion limit: | | Not determined. |
| Vapour pressure: | < 1 Pa | (20 °C) |

Safety Data Sheet

VERSAMID® 115

Revision date : 2016/02/15

Page: 5/8

Version: 1.0

| | | |
|---|---|--------------------------------------|
| Density: | approx. 0.98 g/cm ³ | (25 °C) |
| Relative density: | 0.98 | (25 °C) |
| Partitioning coefficient n-octanol/water (log Pow): | | Study does not need to be conducted. |
| Self-ignition temperature: | | not self-igniting |
| Thermal decomposition: | No decomposition if stored and handled as prescribed/indicated. | |
| Viscosity, dynamic: | 3,100 - 3,800 mPa*s | (ASTM D 3236-88) |
| Solubility in water: | | (20 °C) insoluble |

10. Stability and Reactivity

Reactivity

Chemical stability

Possibility of hazardous reactions

Reacts with oxidizing agents. Reacts with strong acids.

Conditions to avoid

Incompatible materials

None known during use and storage if used according to instructions.

Hazardous decomposition products

Decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

11. Toxicological information

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Primary routes of entry

Inhalation.

Dermal contact.

Ingestion.

Acute Toxicity/Effects

Acute toxicity

Assessment of acute toxicity: Considered practically non-toxic. May cause respiratory irritation. Virtually nontoxic after a single ingestion.

Oral

Type of value: LD50

Safety Data Sheet

VERSAMID® 115

Revision date : 2016/02/15

Page: 6/8

Version: 1.0

Species: rat
Value: > 5,000 mg/kg

Dermal

Type of value: ATE
Value: > 5,000 mg/kg

Irritation / corrosion

Assessment of irritating effects: Causes serious eye irritation. Causes skin irritation.
May cause severe damage to the eyes.
Skin contact causes slight irritation.

Skin

Species: rabbit

Eye

Species: rabbit

Aspiration Hazard

No aspiration hazard expected.

Chronic Toxicity/Effects

Repeated dose toxicity

Assessment of repeated dose toxicity: None known

Symptoms of Exposure

12. Ecological Information

Toxicity

Toxicity to fish

LC50 > 1 - 10 mg/l (DIN EN ISO 7346-2)

Aquatic invertebrates

EC50 > 0.1 - 1 mg/l (OECD Guideline 202, part 1)

Microorganisms/Effect on activated sludge

Toxicity to microorganisms

DIN 38412 Part 8 EC0: > 100 mg/l

Persistence and degradability

Assessment biodegradation and elimination (H2O)

Poorly biodegradable. The product has not been tested. The statement has been derived from the properties of the individual components.

13. Disposal considerations

Waste disposal of substance:

Must be dumped in accordance with local regulations. This product, if disposed as shipped, is not a hazardous waste as specified in 40 CFR 261.

Safety Data Sheet

VERSAMID® 115

Revision date : 2016/02/15

Page: 7/8

Version: 1.0

14. Transport Information

Land transport

USDOT

Hazard class: 9
Packing group: III
ID number: UN 3082
Hazard label: 9, EHSM
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains FATTY ACID AMIDOAMINE RESIN)

Sea transport

IMDG

Hazard class: 9
Packing group: III
ID number: UN 3082
Hazard label: 9, EHSM
Marine pollutant: YES
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains FATTY ACID AMIDOAMINE RESIN)

Air transport

IATA/ICAO

Hazard class: 9
Packing group: III
ID number: UN 3082
Hazard label: 9, EHSM
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains FATTY ACID AMIDOAMINE RESIN)

15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Acute;

NFPA Hazard codes:

Health : 2 Fire: 1 Reactivity: 0 Special:

HMIS III rating

Health: 2 Flammability: 1 Physical hazard: 0

16. Other Information

SDS Prepared by:

GABRIEL PHENOXIES INC.

SDS Prepared on: 2016/02/15

Safety Data Sheet

VERSAMID® 115

Revision date : 2016/02/15

Page: 8/8

Version: 1.0

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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