

SAFETY DATA SHEET

Section 1: Product and Company Identification

Name: Nitazoxanide

CAS Number: 55981-09-4

Catalog Number: PE-1849-10, PE-1851-250, PE-1850-50

Chemical Formula: C₁₂H₉N₃O₅S **Alt. Name:** O-[N-(5-Nitrothiazol-2-yl)carbamoyl]phenyl acetate; NTZ

Recommended use: For research use only not for diagnostic or clinical use or applications

Company Contact Information: Biosensis Pty. Ltd.
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Thebarton, South Australia, 5031
+ 61 8 83527711 (Australia)

Emergency Contact Information: 1800 605-5127; info@biosensis.com; www.biosensis.com
Please contact your local Poison Control Centre Australia –
131126 New Zealand – 0800 POISON (0800 764 766) United States – 1800 222
1222CHEMTREC Within USA and Canada: +1(800)424-9300

Section 2: Hazards Identification

GHS – Classification

Acute toxicity, Oral (Category 4), H302

Skin irritation (Category 2), H315

Eye irritation (Category 2A), H319

Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335

Signal Word

Warning



Hazard Statements

H302 - Harmful if swallowed

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H335 - May cause respiratory irritation

Precautionary statements - EU (28, 1272/2008)

P261 - Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

P264 - Wash skin thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P271 - Use only outdoors or in a well-ventilated area

P280 - Wear protective gloves/ eye protection/ face protection

P301 + P312 - IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P312 - Call a POISON CENTER/doctor if you feel unwell
P330 - Rinse mouth
P332 + P313 - If skin irritation occurs: Get medical advice/ attention
P337 + P313 - If eye irritation persists: Get medical advice/ attention
P362 - Take off contaminated clothing and wash before reuse
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed
P501 - Dispose of contents/ container to an approved waste disposal plant

Other information

Not available

Section 3: Composition / Information on Ingredients

This product contains only the ingredient described in Section 1.

Section 4: First Aid Measures

General Advice: Consult physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Contact: Wash off with soap and plenty of water. Consult a physician.

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Notes to Physician: Treat symptomatically

Section 5: Fire and Explosion Data

Flammability: Not Available

Flash Point: Not Available

Combustion Products: Carbon oxides, Nitrogen oxides (NOx), Sulphur oxides

Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special Firefighting Procedures: Wear self-contained breathing apparatus for firefighting if necessary.

Explosion Data:

Sensitivity to mechanical impact: None

Sensitivity to static discharge: None

Section 6: Accidental Release Measures

Personal Precautions: Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods of Containment: Prevent further leakage or spillage if safe to do so.

Methods for Clean up: Cover powder with wet paper towels. Minimize spreading. Pick up and transfer to properly labeled containers for disposal.

Section 7: Storage and Handling Precautions

Advice on Safe Handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

Storage and Handling: This product should be stored at -20°C.

Section 8: Exposure Controls / Personal Protection

Exposure Guidelines: This product does not contain any hazardous materials with occupational exposure limits established by region-specific regulatory bodies.

Engineering Measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal Protective Equipment:

Eye / Face Protection: Tightly fitting safety goggles. Face shield

Skin Protection: Handle with gloves

Respiratory Protection: Wear NIOSH / MSHA approved respirator if required.

Body Protection: Impervious clothing

Personal Hygiene Measures: When using this product, do not eat, drink or smoke.

Remove and wash contaminated clothing before re-use. Provide regular cleaning of equipment, work area and clothing.

Section 9: Physical and Chemical Properties

Appearance: Off-white powder

Odor Threshold: Not available

pH: Not Applicable

Flash Point: Not available

Decomposition Temp.: Not Available

Odor: Not Available

Physical state @ 20°C: Solid

Auto-ignition Temp.: Not Available

Boiling point: Not Available

Flammability limits in air: Not Available

Melting Point: Not found
Explosion Limits: Not Applicable
Specific Gravity: Not Available
Evaporation Rate: Not Applicable
VOC Content: Not Applicable

Solubility: Aqueous solubility unknown
Vapor Density: Not Available

Section 10: Stability and Reactivity Data

Reactivity: None known

Chemical Stability: This material is stable if stored as directed

Possibility of Hazardous Reactions: None known

Incompatible products: None known

Conditions to avoid: None known

Hazardous decomposition products: Carbon oxides, Nitrogen oxides (NOx), Sulphur oxides

Hazardous polymerization: Will not occur

Section 11: Toxicological Information

Acute Toxicity:

Target Organs or Systems: No data available

Toxicity data: No data available

Oral toxicity: No data available

Inhalation: No data available

Dermal: No data available

Skin corrosion / Irritation: No data available

Serious eye damage / eye irritation: No data available

Respiratory or skin sensitization: No data available

Germ cell mutagenicity: No data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive Toxicity: None known

RTECS#: No data available

Chronic Toxicity:

Target Organs or Systems: No data available

Section 12: Ecological Information

Ecotoxicological Information: No data available

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Results of PBT and vPvB assessment: No data available

Section 13: Disposal Considerations

Waste Disposal Method: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Section 14: Transport Information

Land Transport (US DOT): Not dangerous goods

Marine Transport (IMDG):
Not dangerous goods

Air Transport (ICAO / IATA):
Not dangerous goods

Additional Transport Information: Not available

Section 15: Regulatory Information

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Acute Health Hazard

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

Nitazoxanide, CAS-No. 55981-09-4

New Jersey Right To Know Components

Nitazoxanide, CAS-No. 55981-09-4

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16: Other Information

The above information is believed to be correct to the best of our knowledge, information and belief at the date of its publication and / or revision. The information given is designed only as a guide for safe handling, use, storage transportation disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific product 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. This information does not purport to be complete and should be used only as a guide since new information on this product may not be known to us. The burden of safe use of this material rests entirely with the user.

Last Revised : 4/28/20