

Section 1. Product and Company Identification

Product Name Niacin
CAS Number 59-67-6

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EMERGENCY RESPONSE NUMBER
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Section 2. Hazards Identification

Classification of the substance or mixture
GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Eye irritation (Category 2A): H319
Acute aquatic toxicity (Category 3): H402

GHS Label Elements

Pictograms:



Signal word: WARNING

Hazard and precautionary statements

Hazard statements

H319: Causes serious eye irritation.
H402: Harmful to aquatic life.

Precautionary statements

P264: Wash skin thoroughly after handling.
P273: Avoid release to the environment.
P280: Wear eye protection/ face protection.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313: If eye irritation persists: Get medical advice/ attention.
P501: Dispose of contents/ container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC) or not covered by GHS: None



Section 3. Composition / Information on Ingredients

Common Name	Niacin
Synonym(s)	Nicotinic acid; Pyridine-3-carboxylic acid; Pellagra preventive factor; 3-Picolinic acid; Vitamin B3
Formula	$C_6H_5NO_2$
CAS Number	59-67-6

COMPONENT	CAS NUMBER	CONCENTRATION
Niacin	59-67-6	≤ 100%

Section 4. First Aid Measures

Description of first-aid measures

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

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

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

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

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

Most important symptoms and effects, both acute and delayed: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Indication of any immediate medical attention and special treatment needed: No data available

Section 5. Firefighting Measures

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

Special hazards arising from the substance or mixture: Carbon oxides, Nitrogen oxides (NO_x)

Advice for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

Further information: No data available

Section 6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist, or gas. Ensure adequate



ventilation. Avoid breathing dust. For personal protection see section 8.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to other sections: For disposal see section 13

Section 7. Handling and Storage

Precautions for safe handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.

Conditions for safe storage, including any incompatibilities: Keep container tightly closed in a dry and well-ventilated place. Light sensitive. Keep in a dry place.

Storage class (TRGS 510): Non Combustible Solids

Section 8. Exposure Controls / Personal Protection

Control parameters

Components with workplace control parameters: Contains no substances with occupational exposure limit values.

Exposure controls

Appropriate engineering controls: 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: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection: Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided

Section 9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance: White powder

Odor: Odorless

Odor Threshold: No data available

pH: 3.4 at 10 g/l at 20°C (68°F)

Melting point/freezing point: Melting point/range: 236 - 239°C (457 - 462°F) - lit.

Initial boiling point and boiling range: No data available

Flash point (Closed Cup): 193°C (379°F)

Evaporation rate: No data available

Flammability (solid, gas): No data available

Upper/lower flammability or explosive limits: No data available

Vapor pressure: No data available

Vapor density: No data available

Relative density: 1.473 g/cm³ at 25°C (77°F)

Water solubility: 180 g/l at 20°C (68°F) - OECD Test Guideline 105 - soluble

Partition coefficient: n-octanol/water: log Pow: -0.590 at 25°C (77°F)

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Viscosity: No data available

Explosive properties: No data available

Oxidizing properties: No data available

Other safety information

Bulk density: 650 - 750 kg/m³

Solubility in other solvents: Ethanol 12.5 g/l at 25°C (77°F)

Section 10. Stability and Reactivity

Reactivity: No data available

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: No data available

Conditions to avoid: No data available

Incompatible materials: Strong oxidizing agents

Hazardous decomposition products

Other decomposition products: No data available

In the event of fire: see section 5

Section 11. Toxicological Information

Information on toxicological effects

Acute toxicity

LD50 Oral: Rat - female - 6,450 mg/kg (OECD Test Guideline 401)

Inhalation: No data available

LD50 Dermal: Rat - > 2,000 mg/kg (OECD Test Guideline 402)

LD50 Intraperitoneal: Rat - 730 mg/kg

LD50 Subcutaneous: Rat - 5,000 mg/kg

Skin corrosion/irritation

Skin: Rabbit

Result: No skin irritation - 4h (OECD Test Guideline 404)

Serious eye damage/eye irritation

Eyes: Rabbit

Result: Irritating to eyes. (OECD Test Guideline 405)

Respiratory or skin sensitization

Maximization Test (GPMT): Guinea pig

Results: Did not cause sensitization on laboratory animals. (OECD Test Guideline 406)

Germ cell mutagenicity

Ames test: *S. typhimurium*

Result: negative

OECD Test Guideline 475

Rat: male and female

Result: negative

Carcinogenicity

IARC: No components 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 components 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 components 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 components 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: No data available

Specific target organ toxicity - single exposure: No data available



Specific target organ toxicity - repeated exposure: No data available

Aspiration hazard: No data available

Additional Information

Repeated dose toxicity: Rat - male and female - Oral - NOAEL : 50 mg/kg - OECD Test Guideline 407

RTECS: QT0525000

Reversible liver enzyme abnormalities

Section 12. Ecological Information

Toxicity

Toxicity to fish

Static test LC50: Salmo trutta - 520 mg/l - 96h (OECD Test Guideline 203)

Toxicity to daphnia and other aquatic invertebrates

Immobilization EC50: Daphnia magna (Water flea) - 77 mg/l - 48h (OECD Test Guideline 202)

Toxicity to algae

Growth inhibition EC50: Desmodesmus subspicatus (Scenedesmus subspicatus) - 105.6 mg/l - 72h (OECD Test Guideline 201)

Toxicity to bacteria

Growth inhibition IC50: Pseudomonas putida - 120 mg/l - 72h

Persistence and degradability

Biodegradability

Aerobic: Exposure time 14 d

Result: 100 % - Readily biodegradable

Bioaccumulative potential: No data available

Mobility in soil: No data available

Results of PBT and vPvB assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

**Section 14. Transport Information****DOT (US):** Not dangerous goods**IMDG:** Not dangerous goods**IATA:** Not dangerous goods**Section 15. Regulatory Information****SARA 302 Components:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.**SARA 313 Components:** 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

Nicotinic acid (CAS-No. 59-67-6)

New Jersey Right to Know Components

Nicotinic acid (CAS-No. 59-67-6)

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.**HMIS Rating****Health hazard:** 2**Flammability:** 1**Physical Hazard:** 0**NFPA Rating****Health hazard:** 2**Fire Hazard:** 1**Reactivity Hazard:** 0**Section 16. Other Information****Disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

REVISION DATE: 12/11/2015