

SECTION 1: Identification

1.1. Identification

Product Name Allantoin powder
CAS number 95-59-6

1.2. Recommended use and restrictions on use

Recommended Use Raw material for cosmetics
Pharmaceutical
Chemical family 5-Ureido-Hydantoin

1.3. Supplier

Camden-Grey Essential Oils, Inc.
5751 Halifax Ave., Unit 2
Fort Myers, FL 33912
Emergency Tel. No.: Chemtrec 1-800-262-8200 // 1- 703-741-5500

1.4. Emergency telephone number

Emergency number: Chemtrec -1.800.424.9300/ 1.703.527.3887 CCN 797608

SECTION 2: Hazard(s) identification

GHS classification in accordance with 29 CFR 1910.1200

Not a hazardous substance or mixture.

GHS label elements

Not a hazardous substance or mixture.

Other hazards

None known.

SECTION 3: Composition/information on ingredients

Substance / Mixture Substance

Substance name 5-Ureido-Hydantoin
CAS-No. 97-59-6

Components

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

SECTION 4: First-aid measures

If inhaled Move the victim to fresh air.
Give oxygen or artificial respiration if needed. Get immediate medical advice/ attention.
Never give anything by mouth to an unconscious person.

In case of skin contact Immediately flush skin under running water for at least fifteen minutes. Seek medical attention if irritation or chemical burn is present.

In case of eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Get medical attention immediately if irritation develops and persists.

If swallowed IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

Most important symptoms and effects, both acute and delayed

The possible symptoms known are those derived from the labelling (see section 2).
No additional symptoms are known.

SECTION 5: Fire-fighting measures

Suitable extinguishing media Foam
Carbon dioxide (CO2) Dry chemical
Water spray jet

Unsuitable extinguishing High volume water jet media
High volume water jet

Specific hazards during firefighting In case of fire hazardous decomposition products may be produced such as:
Carbon monoxide Carbon dioxide (CO2) Nitrogen oxides (NOx)

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Ammonia
Amines

Emits toxic fumes under fire conditions. This product presents no unusual fire or explosion hazards while sealed in a shipping container. During usage, if a dust cloud is generated, organic powders have the potential to be explosive with static spark or flame initiation.

Further information

Exercise caution when fighting any chemical fire. Use NIOSH approved self-contained breathing apparatus and full protective clothing.

Self-contained breathing apparatus

Wear full protective clothing and self-contained breathing apparatus.

Special protective equipment

Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Wear suitable protective equipment.

Wear suitable protective equipment. Collect for disposal. Avoid discharge into sewers, on ground or into any body of water.

Environmental precautions

Do not allow to enter drains or waterways Take up mechanically

Methods and materials for containment and cleaning up

Soak up condensate with inert absorbent material and collect in ventilated waste container for disposal.

Rinse away rest with plenty of water

SECTION 7: Handling and storage

Advice on protection against fire and explosion

Observe the general rules of industrial fire protection

Advice on safe handling

Store in cool, dry area. Avoid excessive heat. Keep away from sources of heat, sparks or open flames.

Conditions for safe storage

Keep only in the original container. Keep container tightly closed.

Further information on storage conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away sources of ignition.

Materials to avoid

No conditions to be specially mentioned.

Further information on storage stability

No data available

SECTION 8: Exposure controls/personal protection

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Engineering measures

Provide adequate ventilation.

Use adequate exhaust ventilation and/or dust collection to keep dust levels below exposure limits.

Personal protective equipment

Respiratory protection

If airborne concentrations pose a health hazard, become irritating, or exceed recommended limits, use a NIOSH approved respirator in accordance with OSHA respiratory protection requirements under 29CFR1910.134.

Hand protection

Remarks

Butyl Rubber, PVC Or Neoprene.

Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Wear suitable gloves. Nitrile rubber Neoprene Viton-coated butyl rubber gloves PVC butyl-rubber

Eye protection

Safety glasses or chemical splash goggles.

Skin and body protection

Protective clothing to minimize skin contact should be worn.

Chemically resistant safety shoes. Wash contaminated clothing with soap and water and dry before reuse. Safety showers and eyewash stations should be provided in all areas where this material is handled.

Protective measures

Handle in accordance with good industrial hygiene and safety practice.

Observe the usual precautions for handling chemicals. When using do not eat, drink or smoke. Avoid contact with skin and eyes.

Hygiene measures

Wash hands before breaks and at the end of workday.

Use protective skin cream before handling the product. Take off immediately all contaminated

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clothing and wash it before reuse.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Powder
Colour	White
Odour	Odourless
Odour Threshold	Not available
pH	4 - 6
Melting point	ca. 444 °F 229 °C
Boiling point	Not applicable
Flash point	Not applicable
Evaporation rate	Not applicable
Flammability (solid, gas)	Not determined
Self-ignition	Not auto-flammable
Burning number	2
	Short flaring up without spreading
Upper explosion limit upper flammability limit	Not available
Lower explosion limit Lower flammability limit	Not available
Vapour pressure	Not applicable
Relative vapour density	Not applicable
Relative density	Not available
Density	ca. 1.71 g/cm ³ (72 °F 22 °C)
Bulk density	ca. 800 kg/m ³
Solubility(ies)	
Water solubility	4.9 g/l soluble (68 °F 20 °C)
Partition coefficient: n- octanol/water	log Pow: -2.26 (73 °F 23 °C) Method: OECD Test Guideline 107 GLP: No information available.
Auto-ignition temperature	Not available
Decomposition temperature	ca. 446 °F 230 °C
Viscosity	
Viscosity, dynamic	Not applicable
Viscosity, kinematic	Not applicable
Flow time	Not applicable
Oxidizing properties	Not available
Minimum ignition energy	Not available
Particle size	ca. 20 µm

9.2. Other information

None

SECTION 10: Stability and reactivity

Reactivity	No dangerous reaction known under conditions of normal use.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use. No decomposition if used as directed.
Conditions to avoid	Keep away from open flames, hot surfaces and sources of ignition.
Incompatible materials	No data available
Hazardous decomposition products	When handled and stored appropriately, no dangerous decomposition products are known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity Product:

Acute oral toxicity	LD50 (Rat): > 5,000 mg/kg
Remarks:	No adverse effect has been observed in acute toxicity tests.
Acute inhalation toxicity	Remarks: no data available
Acute dermal toxicity	LOSO (Rat): > 5,000 mg/kg
	Remarks: No adverse effect has been observed in acute toxicity tests.

Skin corrosion/irritation Product:

Species: Rabbit
Method: OECD Test Guideline 404
Remarks: No significant adverse effects were reported

Serious eye damage/eye irritation Product:

Species: Rabbit
Method: OECD Test Guideline 405
Remarks: No significant adverse effects were reported

Respiratory or skin sensitisation Product:

Species: Mouse
Method: OECD Test Guideline 429
Remarks: No significant adverse effects were reported

Germ cell mutagenicity

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Product:
Genotoxicity in vitro

Test Type: Ames test
Test system: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative GLP: yes

Germ cell mutagenicity – Assessment

Not mutagenic in Ames Test

Carcinogenicity

Product:
Species: Rat
Application Route: Oral
Remarks: No significant adverse effects were reported

Application Route: Dermal
Remarks: not available

Application Route: Inhalation
Remarks: not available

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.

OSHA
No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

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.

Reproductive toxicity

Product:
Reproductive toxicity
-Assessment
No information available.
No information available.

STOT - single exposure
Product:
Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure
Product:
Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Repeated dose toxicity
Product:
Remarks: no data available

Aspiration toxicity
Product:
no data available

Further information
Product:
Remarks: The product has not been tested. The information is derived from the properties of the individual components.

SECTION 12: Ecological information

Ecotoxicity

Product:
Toxicity to fish
LC50 (Danio rerio (zebra fish)): > 5,000 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates
EC50 (Daphnia magna (Water flea)): > 100 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants
EC50 (Desmodesmus subspicatus (green algae)): 100 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

Toxicity to fish (Chronic toxicity)
Remarks: no data available

Toxicity to daphnia and other aquatic invertebrates
Remarks: no data available

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(Chronic toxicity)

Toxicity to microorganisms

EC10: 1,000 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 209

Persistence and degradability

Product:

Biodegradability

Test Type: aerobic
Inoculum: activated sludge
Concentration: 51 mg/l
Result: Readily biodegradable.
Biodegradation: 76 % (Carbon dioxide (CO₂))
Exposure time: 28 d
Method: OECD Test Guideline 301B
GLP: yes

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects Product:

Additional ecological
Information

The product has not been tested. The information is derived from the properties of the individual components.

SECTION 13: Disposal considerations

Disposal methods

RCRA - Resource Conservation and
Recovery Authorization Act

This product, if discarded as sold, is not a Federal RCRA hazardous waste.

Waste Code

NONE

Waste from residues

Product should be taken to a suitable and authorized waste disposal site in accordance with relevant regulations and if necessary after consultation with the waste disposal operator and/or the competent Authorities

Contaminated packaging

Packaging that cannot be cleaned should be disposed of as product waste.

SECTION 14: Transport information

DOT
IATA
IMDG

Not restricted
Not restricted
Not restricted

SECTION 15: Regulatory information

EPCRA - Emergency Planning and Community Right-to-Know Act CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards

No SARA Hazards

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.

Clean Water Act

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

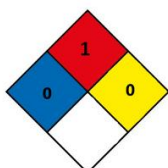
The components of this product are reported in the following inventories:

TSCA

All components of this product are listed on the TSCA Inventory. However, the primary use of this product is NOT subject to TSCA but rather to FDA and must comply with the FDA regulations.

SECTION 16: Other information

NFPA 704:



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Full text of other abbreviations:

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization ; KECI - Korea Existing Chemicals Inventory ; LC50-Lethal Concentration to 50 % of a test population; LOSO - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS-Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity ; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SOS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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