



Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Imidurea NF

30-2370

Section 1: Identification

Product Name Imidurea NF
Commercial Name Germall (TM) 115
Product Use Preservative, Personal Care
Restrictions On Use Not available

Product Code 30-2370

Company PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: Combustible Dust. Skin Sensitization, Sub-category 1B
CFR 1910.1200

Signal Word WARNING

Hazard Statement(s) May form combustible dust concentrations in air. May cause an allergic skin reaction.

Pictogram(s) or Symbol(s)



Precautionary Statement(s):

Prevention	Avoid breathing dust/fume/gas/mist/vapours/spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves. Keep dust/air mixtures away from ignition sources.
Response	If on skin, wash with plenty of soap and water. If skin irritation or rash occur, get medical advice/attention. Wash contaminated clothing before reuse.
Storage	Not available
Disposal	Dispose of contents/container to an approved waste disposal plant.

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Imidurea
% By Weight 97
CAS# 39236-46-9
Molecular Weight 388.29 g/mole
Chemical Formula C₁₁H₁₆N₈H₈
Synonym(s) Imidazolinidyl Urea; N,N"-methylenebis[N;-[3-(hydroxymethyl)-2,5-dioximidazolidin-4-yl]urea]

Mixtures				
Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Imidurea	39236-46-9	97	Not available.	Not applicable.

Section 4: First-Aid Measures

Inhalation	If breathed in, move person into fresh air. If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
Skin Contact	Remove contaminated clothing. If irritation develops, get medical attention. If on skin, rinse well with water. First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water. Wash contaminated clothing before re-use.
Eye Contact	Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist.
Ingestion	Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.
Symptoms/Effects	
Acute	May cause an allergic skin reaction.
Delayed	May cause an allergic skin reaction.

Immediate Medical Attention

General Advice: Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.

Section 5: Fire-Fighting Measures**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray Foam

Unsuitable Extinguishing Media

High volume water jet

Products of Combustion

Organic dusts at sufficient concentration can form explosive mixtures in air.

Firefighters Special Equipment and Precautions

Do not allow run-off from fire fighting to enter drains or water courses. Product is compatible with standard fire-fighting agents. In the event of fire, wear self-container breathing apparatus.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Material can create slippery conditions. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Environmental precautions: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. Methods and materials for containment and cleaning up: Keep in suitable, closed containers for disposal. Other information: Comply with all applicable federal, state, and local regulations.

Section 7: Handling and Storage

Handling: Avoid dust formation. Do not breathe vapours/dust. Do not smoke. Ensure all equipment is electrically grounded and bonded before beginning transfer operations. The material can accumulate static charge and can therefore cause electrical ignition of flammable atmospheres. Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Container hazardous when empty. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8. Dispose of rinse water in accordance with local and national regulations. Maintain good housekeeping. Do not permit dust layers to accumulate, for example, on floors, ledges, and equipment, in order to avoid any potential for dust explosion hazards. Storage: Keep container tightly closed in a dry and well-ventilated place. No smoking.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Not available.
Engineering Controls	Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects. Provide appropriate exhaust ventilation at places where dust is formed.

Personal Protection

Respiratory protection: In the case of dust or aerosol formation use respirator with an approved filter within the capabilities of the respirator/filter combination. Where concentrations are above recommended limits or are unknown, or a cartridge type respirator is not adequate, wear a positive-pressure supplied-air respirator. Hand protection: Material: butyl-rubber Break through time: 480 min Glove thickness: > 0.5 mm Remarks: The exact break through time can be obtained from the protective glove producer and this has to be observed. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Eye protection: Safety glasses Skin and body protection: Wear resistant gloves (consult your safety equipment supplier). Wear as appropriate: Safety shoes Dust impervious protective suit Choose body protection according to the amount and concentration of the dangerous substance at the work place. Discard gloves that show tears, pinholes, or signs of wear. Hygiene measures: Avoid breathing dust. Wash hands before breaks and at the end of workday.

Section 9: Physical and Chemical Properties

Appearance	Solid: Powder (20 C, 101.3 kPa) Color: White.		
Odor	odourless		
Odor Threshold	No data available		
Melting Point	464.9 F/240.5 C (1,013 hPa)	pH	6.0-7.5 (Concentration: 1% aqueou
Freezing Point	Not applicable	Vapor Pressure	< 0.0000001 Pa (25 °C)
Boiling Point/Range	Not available.	Vapor Density	Not available.
Decomposition temperature	Not applicable	Viscosity	Not available.
Partition Coefficient: n-octanol/water	Not applicable	Evaporation Rate	Not applicable
Flash Point	Not available.	Autoignition temperature	Not applicable
Flammability	The product is not flammable		
		Flammability or Explosive Limits:	
		Lower	Not applicable
		Upper	Not applicable
Solubility(ies)	1,000 g/l (20 °C) in water.		
Other	Density : 1.24 g/cm3 (20 °C) Partition coefficient: n-octanol/water: log Pow: 0.9 (20 C) Molecular weight : 388.29 g/mol		

Section 10: Stability and Reactivity

Reactivity	No decomposition if stored and applied as directed.
Chemical Stability	Stable under recommended storage conditions.
Hazardous Polymerization	Dust may form explosive mixture in air.
Conditions to Avoid	Keep away from heat, flame, sparks and other ignition sources
Incompatible Materials	None known
Hazardous Decomposition Products	No hazardous decomposition products are known.

Section 11: Toxicological Information

RTECS	Not available.
Acute Toxicity	Not classified based on available information.
Skin Corrosion/Irritation	No skin irritation/May cause skin irritation in susceptible persons
Serious Eye Damage/Irritation	No eye irritation
Respiratory or Skin Sensitization	Unlikely to cause eye irritation or injury., Product dust may be irritating to eyes, skin and respiratory system.
Germ Cell Mutagenicity	No data found
Carcinogenicity	Not available
Reproductive Toxicity	No data found
Routes of Entry	Inhalation Skin contact Eye Contact Ingestion
Symptoms Related to Exposure	Not available.



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Potential Health Effects

Not available

Target Organ(s)

Not available

Section 12: Ecological Information

Ecotoxicity

Not expected to cause short-term toxicity to fish., Not expected to cause short-term toxicity to aquatic invertebrates., Not expected to cause short-term toxicity to aquatic plants. Not expected to cause long-term toxicity to fish., Not expected to cause long-term toxicity to aquatic invertebrates., Not expected to cause long-term toxicity to aquatic plants.

Persistence and Degradability

Not available

Bioaccumulative Potential

Not available

Mobility in Soil

Not available

Other Adverse Effects

Not available

Section 13: Disposal Considerations

Waste Disposal

Dispose of in accordance with all applicable local, state and federal regulations. Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.

Disposal of Container

Empty remaining contents. Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

Other Considerations

Not available

Section 14: Transport Information

DOT Classification

DOT Not a DOT controlled material (United States). This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA). Dangerous goods descriptions (in indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

Section 15: Regulatory Information

Regulations

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311 and 312). Components present in this product at a level which could require reporting under the statute are: NONE Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual report release of toxic chemicals that appear in 40 CFR 372 (used for SARA 313). This information must be included in all MSDSs that are copied and distributed for this material. Components present in this product at a level which could require reporting under the statute are: NONE; Pennsylvania Right-To-Know, Hazardous substance List, Hazardous Substances and Special hazardous Substances on the list must be identified when present in products. Components present in this product at a level which could require reporting under the statute are: NONE Massachusetts Right-To-Know, Substance List (MSL) Hazardous Substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products. Components present in this product at a level which could require reporting under the statute are: NONE Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of Hazardous Substances equal or greater than the reportable quantities (RQs) in 40 CFR 302.4. Components present in this product at a level which could require reporting under the statute are: NONE



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Other

WHMIS Not controlled under WHMIS (Canada). (Canada);DSCL (EEC) This product is not classified according to the EU regulations.;Gloves.;Lab coat.;Dust respirator. Be sure to use an approved/certified respirator or equivalent.;Safety glasses.

Section 16: Other Information

Not available.