

SAFETY DATA SHEET



Colonial Chemical Solutions, Inc

SECTION 1 - COMPANY AND PRODUCT IDENTIFICATION

PRODUCT

Product Name: DICYANDIAMIDE
Control Number: 00163
Product Description: Cyanoguanidine

COMPANY IDENTIFICATION

Supplier: COLONIAL CHEMICAL SOLUTIONS, INC.
916 West Lathrop Avenue
Savannah, Georgia 31415

24 Hour Emergency Telephone: (800)-424-9300 CHEMTREC
General Information: (912) 236-1331

SECTION 2- HAZARDS IDENTIFICATION

GHS Classification:

[Health]

Not a hazardous substance or mixture.

[Environmental]

[Physical]

GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

Pictograms NONE

Signal Word: Warning

Hazard statement(s)

Precautionary statement(s)

SECTION 3 - HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS Number	%WT
Dicyandiamide	461-58-5	99.5

SECTION 4 - FIRST AID MEASURES

Eyes: Flush eyes with plenty of water. Get medical attention if irritation occurs and persists.

Skin: Wash skin with soap and water. Seek medical attention if symptoms persist.

Inhalation: Move exposed person to fresh air. If not breathing, give artificial respiration. Get medical attention.

Ingestion: Wash out mouth with water. Get medical attention. Never give anything by mouth to an unconscious person.

SECTION 5 - FIRE FIGHTING MEASURES

Extinguishing Media: To extinguish flames use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Fire Fighting Procedures: Cool exposed containers with water spray. Wear self-contained breathing apparatus (SCBA) operated in pressure demand mode and full bunker firefighter's protective clothing.

Fire and Explosion Hazards: This material is not expected to be a fire or explosion hazard.

SAFETY DATA SHEET



Colonial Chemical Solutions, Inc

SECTION 6 - ACCIDENTAL RELEASE and DISPOSAL MEASURES

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Stop leak if without risk. Prevent entry into drains. Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7 - STORAGE AND HANDLING

Precautions To Be Taken In Handling and Storage Avoid contact with skin and eyes. Avoid generation and inhalation of dusts. Wash thoroughly after handling. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls: Provide ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits indicated below. The level of protection and types of controls will vary depending upon potential exposure conditions.

Exposure Limits: Dicyandiamide Contains no substances with occupational exposure limit values.

Personal Protective Equipment (PPE):

Eyes Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts..

Skin: If Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product

Clothing: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Respirators: Where adequate ventilation is not available an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of OSHA Respiratory Protection Standard, 29 CFR 1920.134. In confined areas, use a self-contained breathing apparatus.

SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

Flash Point: Not applicable

Autoignition Temperature: No available data

Boiling Point: Not applicable

Melting Point/Freezing Point: 406-412 °F

Vapor Pressure: No available data

Vapor Density (Air-1): No available data

Odor/Appearance: White powder with characteristic odor.

Flammability Limits: Not applicable

Specific Gravity: 1.40

Volatile %: Nil

Evaporation Rate (BuAc=1): No available data

pH: No available data

Solubility in Water: No available data

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability: Stable under normal use and temperature conditions.

Conditions to Avoid: No available data.

Materials to Avoid: Strong acids and strong bases.

Decomposition Products: When combusted, oxides of carbon and nitrogen.

SAFETY DATA SHEET



Colonial Chemical Solutions, Inc

SECTION 11 - TOXICOLOGICAL INFORMATION

Signs and Symptoms of Overexposure:

Skin: Contact can cause redness, irritation.

Eyes: Dust or aerosol contact may cause eye irritation..

Inhalation: May cause respiratory tract irritation. May cause irritation of the mucous membranes.

Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful if swallowed.

Acute oral toxicity:

LD50 rat: 10,000 mg/kg

Acute inhalation toxicity:

No available data

Acute dermal toxicity:

LD50 rabbit: 2,000 mg/kg

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: Toxicity to fish LC50 - *Oncorhynchus mykiss* (rainbow trout) - 7,700 mg/l - 96 h

Bio-accumulative potential: Bioaccumulation of this product is not expected.

Mobility: No published data available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

SECTION 14 - TRANSPORTATION

U.S. DEPARTMENT OF TRANSPORTATION (Road or Rail):

Proper Shipping Name: Not a DOT Regulated Material

Hazard Class:

UN Number:

Packaging Group:

SAFETY DATA SHEET



Colonial Chemical Solutions, Inc

SECTION 15 - REGULATORY INFORMATION

US FEDERAL REGULATIONS

Comprehensive Environmental Response and Liability Act (CERCLA)

This material is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. The reportable quantity (RQ) for this material has no published data.

Toxic Substance Control Act (TSCA): All components of this product are listed on the TSCA inventory list.

SARA Section 311/312 (40 CFR 370) Hazard Categories:

Chronic Health Hazards

SARA Section 313 (40 CFR 372) Hazard Categories:

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: None of the chemicals in this product are listed as Hazardous Substances under the CWA.

Clean Air Act: None of the chemicals in this product are listed as Hazardous Substances under the CAA.

California Prop 65: This product contains no chemicals known by the State of California to cause cancer, birth defects or other reproductive harm.

SECTION 16 - OTHER INFORMATION

MSDS Revision Date: November 2014

National Fire Protection Association (NFPA) Ratings: This information is intended solely for the use of individuals trained in the NFPA system.

Health: 0

Flammability: 1

Reactivity: 0

The information above is believed to be accurate and represents the best information currently available to us. However, Colonial Chemical Solutions makes no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Colonial be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Colonial has been advised of the possibility of such damages. The vendor assumes no responsibility for injury or damages resulting from the inappropriate alteration or manipulation of this MSDS and its contents from that originally submitted by Colonial.