



SAFETY DATA SHEET

DREXEL X-DCD NITROGEN STABLIZER

Section 1: Material Identification

Product Name: Drexel X-DCD Nitrogen Stabilizer

Company: Drexel Chemical Company
1700 Channel Avenue
Memphis, TN 38106

Recommended use: Nitrogen Stabilizer

Recommended restrictions: None available

Synonyms: Non-ionic surfactant

Identifiers:
DOT information: See Section 14 for Transportation Information

Emergency Telephone Number:

CHEMTREC Tel: 1-800-424-9300	Drexel Chemical Co. 901-774-4370
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Section 2: Hazard Identification (As defined by the OSHA Hazard Communication Standard, 29)

GHS classification:

Health Hazards:	Eye damage/irritation Skin corrosion/irritation	Category 2B category 2
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Signal word: Warning



Hazard statement: Causes eye irritation
Causes skin irritation

Precautionary Statement:

Prevention: Wash thoroughly after handling
Wear protective gloves

Response: If in eyes rinse cautiously with water for several minutes. Remove contact lens, if present and easy to do. Continue rinsing. If eye irritation persists; Get medical Advice /attention.

If on skin wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

Storage: Store locked up away from heat, children and foodstuffs.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazards not otherwise classified (HNOC) or not covered by GHS: Rapidly absorbed through skin.

Section 3: Composition Information

<u>Components</u>	<u>CAS No.:</u>	<u>% By Wt.:</u>	<u>OSHA PEL:</u>	<u>ACGIH TLV:</u>
Active ingredient:				
DCD (Dicyandiamide)	461-58-5	28.15%	N/A	N/A
Other ingredients		71.85%		

Section 4: First-Aid Measures

Have product container or label with you when calling a poison control center or doctor or going for treatment.

If in Eyes: Immediately flush eyes with water; remove contact lenses, if present, after the first 5 minutes, then continue flushing eye. If irritation occurs and persists, call poison control center or doctor for treatment advice.

If on Skin or Clothing: Immediately flush skin with water while removing contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse.

If Inhaled: Move person to fresh air; If not breathing call 911 and give artificial respiration. Call poison control center or doctor for treatment advice.

If Swallowed: Rinse mouth thoroughly. Do not induce vomiting without advice from a poison control center. If vomiting occurs, keep head low so that stomach content does not get into lungs. Call a poison control center or doctor for medical advice.

Contact a physician if discomfort continues.

Section 5: Fire Fighting Measures

Suitable extinguishing media: Water Spray, Foam, CO₂, Dry chemical. Do not use water jet as an extinguisher as this will spread fire.

Specific hazards arising from the chemical: Vapors released in fire conditions may be toxic, irritating and corrosive.

Protective equipment and precautions for firefighters: Firefighters should be equipped with protective clothing and self-contained breathing apparatus to protect against potentially toxic and irritating vapors. In case of fire or explosion, keep unnecessary people away. Isolate hazard area and prevent any entry by non-emergency personnel. Stay upwind out of low areas and ventilate closed spaces before entering.

NFPA: Health: Flammability: Reactivity:

0 0 0

(Rating: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Insignificant)

Section 6: Accidental Release Measures

Personal Precautions:

- Isolate area. Keep unnecessary and unprotected personnel from entering the area. Refer to Section 7, Handling, for additional precautionary measures. Keep upwind of spill. Spilled material may cause a slipping hazard. Ventilate area of leak or spill. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not contaminate water.

Methods for containment: Stop the flow of material, if this is without risk. Collect and dispose of spillage as indicated in section 13. Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up: Pick up spills with absorbent material and place in suitable properly labeled containers.

Section 7: Handling and Storage

KEEP OUT OF REACH OF CHILDREN

Handling: Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Handle in accordance with good industrial hygiene and safety procedures.

Storage: Store in a dry place. Store in original container. Do not store near food, foodstuffs, drugs or potable water supplies.

Section 8: Exposure Controls / Personal Protection

Engineering controls:

Use engineering controls to maintain airborne level below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations.

Personal protective equipment:

Eye/Face Protection: Use chemical goggles.

Skin Protection: Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task. Safety shower should be located in immediate work area. Remove contaminated clothing immediately, wash skin area with soap

and water, and launder clothing before reuse or dispose of properly.

Hand protection: Use gloves chemically resistant to this material. Examples of preferred glove barrier materials include: Neoprene. Nitrile/butadiene rubber (“nitrile” or “NBR”) Polyvinyl chloride (“PVC” or “vinyl”).

Respiratory Protection: Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use an approved respirator. Selection of air-purifying or positive-pressure supplied-air will depend on the specific operation and the potential airborne concentration of the material.

Section 9: Physical and Chemical Properties

Physical state:	Liquid
Color:	Slightly clear to hazy green or grey
Form:	Liquid
Odor:	Typical
Odor threshold:	Not available
pH:	Not available
Melting/freezing point:	Not available
Boiling point:	Not available
Flash point:	>200°F
Evaporation rate:	Not available
Flammability:	Not available
Flammability limits in air, lower:	Not available
Flammability limits in air, upper:	Not available
Vapor pressure:	Not available
Vapor density:	Not available
Relative density (specific gravity):	1.16 @ 20°C
Solubility:	Complete in water
Octanol/water coefficient:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	27cSt @ 40°C

Section 10: Stability and Reactivity

Chemical stability/instability: Stable or non reactive under normal conditions of storage or transport.

Conditions to avoid: Avoid extreme temperatures and open flames.

Incompatible materials Avoid contact with: Strong oxidizers, strong reducing agents, acids.

Hazardous decomposition products: Methanethiol, formaldehyde, dimethyl sulfide, dimethyl sulfone, sulfur dioxide.

Section 11: Toxicological Information

Toxicology data:

Acute toxicity:

Ingestion:

Oral LD50, (mouse): >10,000 mg/kg

Dermal:

Dermal LD50, (rabbit): >2000 mg/kg

Inhalation:

Inhalation LD50 (rat): 40250 ppm

Eye Irritation: Not available.

Skin Irritation: Mildly irritating to the skin.

Skin Sensitization: Not available.

Carcinogenicity: Not listed as carcinogenic by IARC, OSHA, NTP, nor ACGIH.

Chronic effects: Not available.

Mutagenicity: Not available.

Reproductive effects: Not available.

Teratogenicity: Not available.

Section 12: Ecological Information

Ecotoxicological data:

Fish Chronic Toxicity:

- Fathead minnow: LC50 34,000 mg/l
- Rainbow trout LC50 35,000 mg/l,

Aquatic Invertebrates Chronic Toxicity:

- Daphnia: 3700 mg/l

Persistence and degradability: Not readily biodegradable

Bioaccumulation: Not established

Mobility in soil: Not available

Other adverse effects: Avoid release to open bodies of water

Ecotoxicity: Not expected to be harmful to aquatic organisms.

Persistence and degradability: Not inherently biodegradable

Bioaccumulation: Not established.

Mobility in soil: Not established.

Section 13: Disposal Considerations

Disposal methods: Dispose of in accordance with label instructions and all applicable regulations.

Contaminated packaging: Dispose of in accordance with applicable federal, state and local regulations.

Section 14: Transport Information

DOT: Not dangerous goods.

IMDG: Not dangerous goods

IATA: Not dangerous goods

Freight Description: Fertilizer coating

ERG Guide No.: 171

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

Section 15: Regulatory Information

OSHA Hazard Communication Standard:

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SARA Title III:

Section 302 Extremely Hazardous Substance Notification:

No components in this product are subject to reporting.

Sections 311/312 Hazard Categories:

Immediate (Acute) Health Hazard: Yes

Delayed (Chronic) Health Hazard: No

Fire Hazard: No

Reactive Hazard: No

Sudden Release of Pressure Hazard: No

Section 313 Toxic Chemicals: This product is not known to contain any Toxic Chemical constituents.

RCRA Waste Code: Not applicable.

California Prop 65: This product does not contain any chemicals known to the State of California to cause cancer, birth defects or any other reproductive harm.

Section 16: Other Information

Drexel Chemical Company recommends that each customer or recipient of this SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown below. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific SDSs, we are not and cannot be responsible for SDSs obtained from any source other than ourselves. If you have obtained an SDS from another source or if you are not sure that the SDS you have is current, please contact us for the most current version.

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