

Performance Chemical Co

Product: DC-229

Issue Date: June 1, 2016

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DC-229

GHS

Safety Data Sheet

From: Performance Chemical Company

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All non-emergency questions should be directed to (432) 332-3059 for assistance.

24 Hour Emergency Telephone
CHEM-TEL, INC. 1-800-255-3924

NOTE: CHEM-TEL emergency number to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals.

1. Product Identification

Product Name:

DC-229

Chemical Family:

Phosphonate

2. Hazards Identification

Hazards Classifications: Eye Irritant-Category 2
Skin Irritant-Category 3



WARNING

Hazard Statement: Inhalation Hazard

Eye Irritant
Skin Irritant
Ingestion Hazard

Precautionary Statement:

Prolonged inhalation may be harmful. Avoid breathing dust/fume/gas/mist/vapors/spray
May cause severe eye irritation May cause immediate skin irritation and blistering.X
Prolonged or repeated contact may cause defatting,
Dermatitis, swelling, pain, and itching. Swallowing this material will result in seriousX
Toxic effects potentially leading to collapse and death.

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3. Composition/Information on Ingredients

Chemical characterization: Mixtures

· **Description:** Mixture of the substances listed below with nonhazardous additions.

Dangerous components:

7631-86-9 silicon dioxide, chemically prepared Eye Irrit. 2B, H320 15-35%

4. First Aid Measures:

EMERGENCY AND FIRST AID

Inhalation	If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention. Prompt action is essential.
Eye Contact	In case of eye contact, immediately flush eyes with clean, low pressure, lukewarm water for at least 15 minutes, occasionally lifting eyelids. Obtain emergency medical attention.
Skin Contact	Immediately remove contaminated clothing. Wash skin thoroughly with mild soap and water. Flush with lukewarm water for 15 minutes. If sticky, use waterless cleaner first. Obtain emergency medical attention.
Ingestion	If swallowed, give lukewarm water (pint) if victim completely conscious and alert. Induce vomiting only if victim is conscious. Obtain emergency medical attention. Prompt action is essential.

5. Fire Fighting Measures:

Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes. Some are oxidizers and may ignite combustibles (wood, paper, oil, clothing, etc.). Contact with metals may evolve flammable hydrogen gas. Containers may explode when heated.

6. Accidental Release Measures

Take proper precautions to ensure your own health and safety before attempting spill control or clean-up. For more specific information, refer to the Emergency Overview on Page 1, Exposure Controls and Personal Protection in Section 8 and Disposal Considerations in Section 13 of this MSDS.

General	Dispose of in accordance with applicable local, state, and federal regulations.
Small Spills	Recover spilled product and return to container for use. If contaminated with undesirable materials, sweep or vacuum up and place disposal containers.

7. Handling and Storage

Handling	Wear rubber gloves when handling. Do not take internally.
Storage	Store in tightly closed containers in a cool place. Keep container closed when not in use.

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8. Exposure Controls and Personal Protection

Respiratory If exposure can exceed the PEL/TLV, use only NIOSH/OSHA approved air respiratory operated in a positive pressure mode as specified in the NIOSH/OSHA 1981 Occupational Health Guidelines for Chemical Hazards.

Eye Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles. Contact lenses must not be worn.

Skin Impervious protective suit with gloves, boots, and full head protection must be worn. The equipment must be cleaned thoroughly after each use.

Engineering Controls Local exhaust ventilation may be required to meet exposure standards(s) in addition to general room ventilation.

Other Hygienic And Work Practices Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Promptly remove soiled clothing; wash thoroughly before reuse. Shower after work using plenty of soap and water.

9. Physical and Chemical Properties

Boiling Point: Not determined
Vapor Press: 128 hPa (96 mm Hg)
Vapor Density (AIR=1) Not Determined%

Sol. In Water: Soluble
Sp. Gravity: 1.3

Appearance and Odor: Light dry granular compound

Stability: Stable

Hazardous Polymerization: Not Expected

Materials to Avoid: Strong bases and Oxidizing Agents

Hazardous Decomposition Products: Carbon Monoxide, Carbon Dioxide, Oxides of Nitrogen and Sulfur or Ammonia.

10. Stability and Reactivity

Chemical Stability Stable
Hazardous Polymerization Not expected to occur.
Conditions to Avoid Not expected to occur.
Materials Incompatibility N/A
Hazardous Decomposition N/A

11. Toxicological Information

Local effects Components of the product may be absorbed into the body through the skin. Contact may irritate or burn eyes.

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INHILATION May cause nose, throat and respiratory irritation.
EYES Eye contact may cause severe irritation and possible damage.
INGESTION Acidic material. May cause severe irritation.
SKIN (DERMAL) Acidic material. Skin contact may cause irritation possibly severe, or burns. Prolonged or repeated skin contact may cause irritation and possibly dermatitis.
LISTED CARCINOGEN None listed.

12. Ecological Information

Ecotoxicity Ecological effects testing have not been conducted on this material. If spilled, this material, its storage tank water bottoms and sludge, and any contaminated soil or water may be hazardous to human, animal, and aquatic life.

Environmental Fate This material is potentially toxic to freshwater and saltwater ecosystems. The Isopropanol component of this product will normally evaporate rapidly. Isopropanol is expected to biodegrade in soil and water rapidly.

13. Disposal Considerations

Precautions If Material is Spilled or Released Flammable Solid. Release can cause fire / explosion / human health hazard / contaminate water supplies / be toxic to aquatic life. Evacuate / limit access. Equip responders with proper protection (see Sec. V.). Stop release, prevent flow to sewers / public waters, kill all ignition sources. Notify fire / environmental authorities. Blanket with firefighting foam.

Restrict water use for cleanup. Impound / recover large land spill. Soak up small spill with inert solids, use suitable disposal containers. On water, material soluble / may float or sink. Contain / minimize dispersion / collect. Disperse residue to reduce aquatic harm. Report per regulatory requirements.

Waste Disposal Methods Contaminated product / soil / water may be RCRA / OSHA hazardous waste due to potentially low flash point. Landfill solids at permitted sites. Use registered transporters. Burn concentrated liquids in systems compatible with water soluble wastes. Avoid flameouts. Assure emissions comply with applicable regulations. Dilute aqueous waste may biodegrade. Avoid overloading / poisoning plant biomass. Assure effluent complies with applicable regulations.

14. Transport Information

UN-Number

- **DOT, ADR, ADN, IMDG, IATA** Non-Regulated Material
- **UN proper shipping name** Not Regulated for Transportation
- **DOT, ADR, ADN, IMDG, IATA** Non-Regulated Material
- **Transport hazard class(es)**
- **DOT, ADR, ADN, IMDG, IATA**
- **Class** Non-Regulated Material
- **Packing group**
- **DOT, ADR, IMDG, IATA** Non-Regulated Material
- **Environmental hazards:**
- **Marine pollutant:** No
- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

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· **UN "Model Regulation":** -
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15. Regulatory Information

· *Safety, health and environmental regulations/legislation specific for the substance or mixture*

· *Sara*

· *Section 355 (extremely hazardous substances):*

None of the ingredients is listed.

· *Section 313 (Specific toxic chemical listings):*

None of the ingredients is listed.

· *TSCA (Toxic Substances Control Act):*

All ingredients are listed.

· *Proposition 65*

· *Chemicals known to cause cancer:*

None of the ingredients is listed.

· *Chemicals known to cause reproductive toxicity for females:*

None of the ingredients is listed.

· *Chemicals known to cause reproductive toxicity for males:*

None of the ingredients is listed.

· *Chemicals known to cause developmental toxicity:*

None of the ingredients is listed.

· *Carcinogenic categories*

· *EPA (Environmental Protection Agency)*

None of the ingredients is listed.

· *TLV (Threshold Limit Value established by ACGIH)*

None of the ingredients is listed.

· *NIOSH-Ca (National Institute for Occupational Safety and Health)*

None of the ingredients is listed.

· *OSHA-Ca (Occupational Safety & Health Administration)*

None of the ingredients is listed.

16. Other Information

Disclaimer of Liability:

The information in this msds was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. This msds was prepared and is to be used only for this product.

The conditions or methods of handling, storage, use, and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with handling, storage, use or disposal of the product.

Abbreviations:

App. = Approximately EQ = Equal > = Greater Than < = Less Than N/AP = Not Applicable ND = No Data
NE = Not Established

ACGIH = American Conference of Governmental Industrial Hygienists
IARC = International Agency for Research on Cancer
NIOSH = National Institute of Occupational Safety and Health
NPCA = National Paint and Coating Manufacturers Association
NFPA = National Fire Protection Association

AIHA = American Industrial Hygiene Association
NTP = National Toxicology Program
OSHA = Occupational Safety and Health Administration
HMIS = Hazardous Materials Information System
EPA = Environmental Protection Agency

Explanation of the HMIS® Ratings

HMIS® III - HEALTH HAZARD RATINGS

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* **Chronic Hazard** Chronic (long-term) health effects may result from repeated overexposure

0 Minimal Hazard No significant risk to health

1 Slight Hazard Irritation or minor reversible injury possible

2 Moderate Hazard Temporary or minor injury may occur

3 Serious Hazard Major injury likely unless prompt action is taken and medical treatment is given

4 Severe Hazard Life-threatening, major or permanent damage may result from single or repeated overexposures

HMIS® III - FLAMMABILITY RATINGS

0 Minimal Hazard Materials that will not burn

1 Slight Hazard Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)

2 Moderate Hazard Materials which must be moderately heated or exposed to high ambient temperatures before ignition will occur. Includes liquids having a flash point at or above 100 F but below 200 F. (Classes II & IIIA)

3 Serious Hazard Materials capable of ignition under almost all normal temperature conditions. Includes flammable liquids with flash points below 73 F and boiling points above 100 F. as well as liquids with flash points between 73 F and 100 F. (Classes IB & IC)

4 Severe Hazard Flammable gases, or very volatile flammable liquids with flash points below 73 F, and boiling points below 100 F. Materials may ignite spontaneously with air. (Class IA)

HMIS® III - PHYSICAL HAZARD RATINGS

0 Minimal Hazard Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

1 Slight Hazard Materials that are normally stable but can become unstable (self-react) at high temperatures and pressures. Materials may react non-violently with water or undergo hazardous polymerization in the absence of inhibitors.

2 Moderate Hazard Materials that are unstable and may undergo violent chemical changes at normal temperature and pressure with low risk for explosion. Materials may react violently with water or form peroxides upon exposure to air.

3 Serious Hazard Materials that may form explosive mixtures with water and are capable of detonation or explosive reaction in the presence of a strong initiating source. Materials may polymerize, decompose, self-react, or undergo other chemical change at normal temperature and pressure with moderate risk of explosion.

4 Severe Hazard Materials that are readily capable of explosive water reaction, detonation or explosive decomposition, polymerization, or self-reaction at normal temperature and pressure.