

# Performance Chemical Co

Product: DC-300

Issue Date: May 4, 2015

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## DC-300

## 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

**Trade Name:** DC-300  
**CAS Number:** Mixture  
**Product Family:** Corrosion Inhibitor and Surfactant  
**Synonyms:** N/A

## 2. Hazards Identification

**Hazard Classifications:** Flammable Solid-Category 4  
Skin Irritation-Category 2  
Eye Irritation-Category 2  
TOST (Repeated)-Category 2



**DANGER**

**Hazard Statements:**

Solids containing toxic liquid.

**Precautionary Statements:**

Harmful in contact with eyes. Irritating to skin. Irritating to respiratory system. Prolonged exposure may cause chronic effects. This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Components of the product may be absorbed into the body by inhalation, ingestion and through the skin.

## 3. Composition/Information on Ingredients

**Chemical characterization:** *Mixtures* 7631-86-9 Precipitated spheroid amorphous gel 20-35%

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

**Dangerous components:**

Corrosion Inhibitor/Surfactant H225; H301; H311; H331; H370 38-58%

## 4. First Aid Measures:

**First aid procedures** Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes.

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	Remove contact lenses, if present and easy to do. Get medical attention if irritation develops or persists.
<b>Skin contact</b>	Immediately flush skin with plenty of water. Remove and isolate contaminated clothing and shoes. Get medical attention if irritation develops or persists.
<b>Inhalation</b>	Move to fresh air. If breathing is difficult, give oxygen. Call a physician if symptoms develop or persist.
<b>Ingestion</b>	Have victim rinse mouth thoroughly with water. Do not induce vomiting without medical advice. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Get medical attention immediately.
<b>Notes to physician</b>	Symptoms may be delayed.
<b>General advice</b>	Call a physician if symptoms develop or persist. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

## 5. Fire Fighting Measures

<b>Flammable Properties</b>	Combustible by OSHA criteria. Containers may explode when heated. Runoff to sewer may cause fire or explosion hazard.
<b>Extinguishing Media</b>	Water. Water Spray. Water fog. Foam. Dry chemical. Carbon Dioxide (CO <sub>2</sub> ) Do not use a solid water stream as it may scatter and spread fire.
<b>Protection of Firefighters</b>	Fire may produce irritating, corrosive and/or toxic gases.
<b>Protective Equipment and Precautions for Firefighters</b>	In the event of fire and/or explosion, do not breathe fume. Wear full protective clothing, including helmet, scba, protective clothing and face mask. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions, also consider initial evacuation for 800 meters (1/2 mile) in all directions. ALWAYS stay away from tanks engulfed in flame. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Withdraw immediately in case of rising sound from venting safety devices or any discoloration of tanks due to fire. Move containers from fire area if you can do it without risk. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn. Use water spray to cool unopened containers. Cool containers with flooding quantities of water until well after fire is out.

## 6. Accidental Release Measures

<b>Personal Precautions</b>	Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate ppe. Ventilate closed spaces before entering. Keep unnecessary personnel away. Stay upwind. Keep out of low areas.
<b>Methods for Containment the flow</b>	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop of material, if this is without risk. Dike the spilled material, where this is possible. Use water spray to

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	reduce vapors or divert vapor cloud drift. Prevent entry into waterways, sewers, basements or confined areas.
Methods of Clean Up	Should not be released into the environment.
like	Large Spills: Dike far ahead of liquid spill for later disposal. Use a non-combustible material
After	vermiculite, sand or earth to soak up the product and place into a container for later disposal.
surface	removal flush contaminated area thoroughly with water. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated thoroughly. Never return spills to original containers for re-use.

## 7. Handling and Storage

### Handling

Will ignite if exposed to intensive heat or open air. Do not handle or store near an open flame, heat or other sources of ignition. Do not breathe vapors or spray mist. All equipment used when handling the product must be grounded. Use only with adequate ventilation. Do not get this material in contact with eyes. Do not get this material in contact with skin. Avoid release to the environment. Wash thoroughly after handling. Avoid prolonged exposure.  
Store in tightly closed containers in a cool place. Keep container closed when not in use.

### Storage

Keep containers tightly closed in a dry, cool and well ventilated place. The pressure in sealed containers can increase under the influence of heat. This material can accumulate static charge which may cause spark and become an ignition source. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Keep this material away from food, drink and animal feed. Keep out of the reach of children. Keep in an area equipped with sprinklers. Use care in handling/storage. Store in accordance with local/state/regional/national/international regulations.

## 8. Exposure Controls and Personal Protection

### Personal Protective Equipment (PPE)

Personal protective equipment should be selected based upon the conditions under which this material is used. A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to OSHA regulations. The following pictograms represent the minimum requirements for personal protective equipment. For certain operations, additional Personal Protective Equipment may be required.



### Eye Protection

None needed at ambient temperatures. If operating conditions result in product melting to liquid, chemical splash goggles with full face shield should be worn. DO NOT wear contact lenses.

### Hand Protection

Impervious PVC coated, rubber, or neoprene.

## 9. Physical and Chemical Properties

Physical State	Granular	Color	Dark
Odor	Slightly alcoholic	pH	7-9
Specific Gravity	0.95-.99	Liquid Density	0.9999 g/cm <sup>3</sup> estimated
Vapor Pressure	N/A	Vapor Density	N/A

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<b>Boiling Point / Range</b>	N/A	<b>Freezing Point</b>	N/A
<b>Evaporation Rate</b>	N/D	<b>Solubility in Water</b>	N/A

## 10. Stability and Reactivity

<b>Chemical Stability</b>	Stable at normal conditions. Risk of ignition.
<b>Hazardous Polymerization</b>	Not expected to occur.
<b>Conditions to Avoid</b>	Avoid ignition sources.
<b>Materials Incompatibility</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	N/A

## 11. Toxicological Information

### Acute effects

**Component analysis - LD50** Acute LD50: 5867 mg/kg estimated, Rat, Oral

#### Toxicology Data – Selected LD50s and LC50s

Alkyl phenol ethoxylate 9016-45-9 Oral LD50 Rat: 1310 mg/kg; Dermal LD50 Rabbit: 2 mL/kg  
Methanol 67-56-1 Inhalation LC50 Rat: 83.2 mg/L/4H; Inhalation LC50 Rat: 64000 ppm/4H; Oral LD50 Rat: 5628 mg/kg; Dermal LD50 Rabbit: 15800 mg/kg

<b>Sensitization</b>	Not expected to be hazardous by OSHA criteria.
<b>Local Effects</b>	Contact may irritate or burn eyes. Irritating to skin. Irritating to respiratory system. Components of the product may be absorbed into the body through the skin.
<b>Chronic Effects</b>	Hazardous by OSHA criteria. Repeated absorption may cause disorder of central nervous system, liver, kidneys and blood. Prolonged or repeated exposure may cause lung injury.
Prolonged	exposure may cause chronic effects.
<b>Carcinogenicity</b>	Not expected to be hazardous by OSHA criteria.
<b>Neurological Effects</b>	Hazardous by OSHA criteria.
<b>Epidemiology</b>	Hazardous by OSHA criteria.
<b>Epidemiology</b>	Symptoms may be delayed.

## 12. Ecological Toxicity

**Ecotoxicity** Components of this product have been identified as having potential environmental concerns.

#### Ecotoxicity - Freshwater Fish Species Data

Methanol 67-56-1 96 Hr LC50 Pimephales promelas: 28100 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 13200 mg/L

#### Ecotoxicity - Microtox Data

Methanol 67-56-1 5 min EC50 Photobacterium phcsphoreum: 43000 mg/L; 15 min EC50 Photobacterium phosphoreum: 40000 mg/L; 25 min EC50 Photobacterium phosphoreum: 39000 mg/L

## 13. Disposal Considerations

### Waste Management Information

U.S.-RCRA (Resource Conservation & Recovery Act)- U Series Wastes-Acutely Toxic Wastes & Other Hazardous Characteristics

Methanol 67-56-1 Waste #U154 (ignitable waste)

Consult authorities before disposal. Do not allow this material to drain into sewers/water supplies. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.

## 14. Transport Information

### UN-Number

- **DOT, ADR, IMDG, IATA** UN3180
- **UN proper shipping name** Flammable solid, corrosive, inorganic, n.o.s. 4.1 (8), II
- **DOT, IMDG, IATA** UN3180, Flammable solid, corrosive, inorganic, n.o.s. 4.1 (8), II
- **ADR** UN3180, Flammable solid, corrosive, inorganic, n.o.s. 4.1 (8), II
- **Transport hazard class(es)**
- **DOT**
- **Class** 4.1 Flammable Solid
- **Label** 4.1
- **ADR, IMDG, IATA**
- **Class** 4.1 Flammable Solid
- **Label** 4.1
- **Packing group**
- **DOT, ADR, IMDG, IATA** II
- **Environmental hazards:**
- **Marine pollutant:** No
- **Special precautions for user** Warning: Flammable Solid
- **Danger code (Kemler):** 60
- **EMS Number:** F-A,S-A
- *Transport in bulk according to Annex II of*

**MARPOL73/78 and the IBC Code** Not applicable.

- **UN "Model Regulation":** UN3180, Flammable solid, corrosive, inorganic, n.o.s. 4.1 (8), II (Corrosion Inhibitor/Surfactant), 4.1, II



PLACARD REQUIRED:

## 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):  
Corrosion Inhibitor/Surfactant
- TSCA (Toxic Substances Control Act):

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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:

Corrosion Inhibitor/Surfactant

· 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.

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms



· Signal word Danger

· Hazard-determining components of labeling:

Corrosion Inhibitor/Surfactant

· Hazard statements

H332 Harmful if inhaled.

H320 Causes eye irritation.

H370 Causes damage to organs.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 Specific treatment (see on this label).

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

## 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

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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

- \* **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.