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# SAFETY DATA SHEET

Issue Date: 29 October 2015

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Version 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identifier

**Product Name:** DUSTEX

**Product Description:** DUST RETARDANT FOR INDUSTRIAL PLANTS

### Other Means of Identification

**Product #** 084C  
**Synonyms** None

### Details of the Supplier of the Safety Data Sheet

**Company Name** CHEMCO INDUSTRIES, INC.  
5731 Manchester Avenue  
St. Louis, MO 63110  
www.chemcoindustries.com  
314-647-1888  
1-800-854-4236 (to Reorder)

### Emergency Telephone Number

**Emergency Telephone** INFOTRAC 1-800-535-5053

## 2. HAZARDS IDENTIFICATION

### Classification (GHS-US)

Acute Tox. 4 (oral) H302  
Eye Dam. 1 H318  
Carc. 2 H351  
\*Full text of H-phrases: see section 16

### GHS-US Labeling

#### Hazard pictograms (GHS-US):



**Signal Word (GHS-US):** Danger

#### Hazard Statements (GHS-US):

Harmful if swallowed  
Causes serious eye damage  
Suspected of causing cancer

#### Precautionary statements (GHS-US):

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood  
Wash thoroughly after handling  
Do not eat, drink, or smoke when using this product  
Wear eye protection, protective clothing, protective gloves  
If swallowed: Call a doctor, a POISON CENTER if you feel unwell  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If exposed or concerned: Get medical advice/attention  
Immediately call a doctor, a POISON CENTER  
Rinse mouth  
Store locked up

Dispose of contents/container to comply with local/regional/national/international regulations

**Other hazards:** No additional information available

**Unknown acute toxicity (GHS-US):** Not applicable

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance:** Not applicable

\*Full text of H-phrases: see section 16

**Mixture:**

Name	Product identifier	%	Classification (GHS-US)
Nonylphenoxypoly(ethyleneoxy)ethanol (9EO)	(CAS No) 9016-45-9	15.0-40.0	Acute Tox. 4 (oral), H302 Eye Dam. 1, H318
2,2'-iminodiethanol, diethanolamine	(CAS No) 111-42-2	0.1-1.0	Acute Tox. 4 (oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Carc. 2, H351 STOT RE 2, H373

### 4. FIRST AID MEASURES

**Description of first aid measures:**

**First-aid measures general:**

If you feel unwell, seek medical advice (show the label where possible).

**First-aid measures after inhalation:**

Remove person to fresh air and keep comfortable for breathing.

**First-aid measures after skin contact:**

Rinse skin with water/shower.

**First-aid measures after eye contact:**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.

**First-aid measures after ingestion:**

Rinse mouth. Do NOT induce vomiting.

**Most important symptoms and effects, both acute and delayed:**

**Symptoms/injuries:**

Causes damage to organs (eyes). May cause cancer.

**Symptoms/injuries after inhalation:**

None under normal use.

**Symptoms/injuries after skin contact:**

Contact during a long period may cause light irritation.

**Symptoms/injuries after eye contact:**

Causes serious eye damage.

**Symptoms/injuries after ingestion:**

Harmful if swallowed.

**Indication of any immediate medical attention and special treatment needed:**

No additional information available.

### 5. FIRE-FIGHTING MEASURES

**Extinguishing media:**

**Suitable extinguishing media:**

All extinguishing media allowed.

**Special hazards arising from the substance or mixture:**

**Reactivity:**

Upon combustion: CO and CO<sub>2</sub> are formed.

**Advice for firefighters:**

**Firefighting instructions:**

Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Use water moderately and if possible collect or contain it.

**Protection during firefighting:**

Do not enter fire area without proper protective equipment, including respiratory protection.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:**

**General measures:**

Isolate from fire, if possible, without unnecessary risk.

**For non-emergency personnel:**

Protective equipment:

Protective goggles. Gloves. Face-shield.

Emergency procedures:

Keep upwind.

**For emergency responders:**

Protective equipment:

Equip cleanup crew with proper protection.

Emergency procedures:

Stop leak if safe to do so. Stop release. Ventilate area.

**Environmental precautions:**

Avoid release to the environment. Prevent soil and water pollution.

**Methods and material for containment and clean up:****For containment:**

Contain released substance, pump into suitable containers.

**Methods for cleaning up:**

This material and its container must be disposed of in a safe way, and as per local legislation.

**Reference to other sections:**

No additional information available.

## 7. HANDLING AND STORAGE

**Precautions for safe handling:****Precautions for safe handling:**

Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.

**Hygiene measures:**

before reuse.

Do not eat, drink, or smoke when using this product. Wash contaminated clothing

**Conditions for safe storage, including any incompatibilities:****Storage conditions:**

Keep container closed when not in use. Store in original container.

**Incompatible products:**

Strong acids.

**Storage area:**

Keep only in the original container. Store in a dry area. Store in a cool area.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters:**

No additional information available.

**Exposure controls:****Personal protective equipment:**

Use appropriate personal protective equipment when risk assessment indicates this is necessary. Gloves. Protective clothing. Protective goggles.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties:**

Physical state	Liquid
Appearance	Clear, colorless liquid.
Odor	Mild odor.
Odor threshold	No data available
pH	8-8.75
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	> 200 F Closed Cup
Relative evaporation rate (butyl acetate=1)	No data available
Flammability (solid, gas)	No data available
Explosion limits	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Vapor pressure	No data available
Relative density	No data available
Relative vapor density at 20 C	No data available
Specific gravity/density	1.01 g/ml
Solubility	Soluble in water.
Log Pow	No data available
Log Kow	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available

VOC content 0%

## 10. STABILITY AND REACTIVITY

### Reactivity:

Upon combustion: CO and CO<sub>2</sub> are formed.

### Chemical stability:

No additional information available.

### Possibility of hazardous reactions:

No additional information available.

### Conditions to avoid:

No additional information available.

### Incompatible materials:

Strong acids.

### Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects:

**Acute toxicity:** Oral: Harmful if swallowed.

<b>2,2'-iminodiethanol, diethanolamine</b>	
LD50 dermal rabbit	8180 mg/kg
ATE CLP (oral)	500.000 mg/kg body weight

**Skin corrosion/irritation:** Not classified.  
pH: 8-8.75

**Serious eye damage/irritation:** Causes serious eye damage.  
pH: 8-8.75

**Respiratory or skin sensitization:** Not classified.

**Germ cell mutagenicity:** Not classified.

**Carcinogenicity:** Suspected of causing cancer

<b>2,2'-iminodiethanol, diethanolamine</b>	
IARC group	2B - Possibly Carcinogenic to Humans

**Reproductive toxicity:** Not classified

**Specific target organ toxicity (single exposure):** Not classified.

**Specific target organ toxicity (repeated exposure):** Not classified

**Aspiration hazard:** Not classified.

**Symptoms/injuries after inhalation:** None under normal use.

**Symptoms/injuries after skin contact:** Contact during a long period may cause light irritation.

**Symptoms/injuries after eye contact:** Causes serious eye damage.

**Symptoms/injuries after ingestion:** Harmful if swallowed.

## 12. ECOLOGICAL INFORMATION

### Toxicity:

<b>Nonylphenoxypoly(ethyleneoxy)ethanol (9EO) (9016-45-9)</b>	
LC50 fish 1	5 mg/l (96 h; Gasterosteus aculeatus; Intermittent flow)
EC50 other aquatic organisms 1	500 mg/l (Selenastrum capricornutum; Chronic)
LC50 fish 2	7 mg/l (96 h; Leuciscus idus)
Threshold limit algae 1	500 mg/l (Selenastrum capricornutum; Cell numbers)

### Persistence and degradability:

<b>Nonylphenoxypoly(ethyleneoxy)ethanol (9EO) (9016-45-9)</b>	
Persistence and degradability	Not readily biodegradable in water.

### Bioaccumulative potential:

<b>Nonylphenoxypoly(ethyleneoxy)ethanol (9EO) (9016-45-9)</b>	
Log Pow	> 4

### 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods:**

**Waste disposal recommendations:** No additional information available.

### 14. TRANSPORT INFORMATION

**Department of Transportation (DOT)**

**In accordance with DOT:** Not regulated for transport.

**Additional information:**

**Other information:** No supplementary information available.

**ADR:**

No additional information available.

**Transport by sea:**

No additional information available.

**Air Transport:**

No additional information available.

### 15. REGULATORY INFORMATION

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) or 1986 and 40 CFR Part 372.

2,2'-iminodiethanol, diethanolamine	CAS No 111-42-2	0.1-1.0
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2,2'-iminodiethanol, diethanolamine	
Listed on SARA Section 313 (Specific toxic chemical listings)	
RQ (Reportable quantity, section 304 of EPA's List of Lists)	100 lb

**California Proposition 65** - This product contains, or may contain, trace quantities of a substance(s) known to the State of California to cause cancer and /or reproductive toxicity.

### 16. OTHER INFORMATION

**Training advice:** Normal use of this product shall imply use in accordance with the instructions on the packaging.

**Full text of H-phrases:**

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Carc. 2	Carcinogenicity Category 2
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H351	Suspected of causing cancer
H373	May cause damage to organs through prolonged or repeated exposure.

**NFPA health hazard:** 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

**NFPA fire hazard:** 0 - Materials that will not burn.

**NFPA reactivity:** 0 - Normally stable, even under fire exposure conditions, and are not reactive with water

**Disclaimer**

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Our company assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material. Such vendee or users assume all risks associated with the use of this material.