



P&WC

# SAFETY DATA SHEET

## DUSTREAT DC9136 (Dustsolv DS 936)

Version : 1.1  
Date of preparation : 13 January 2018  
Previous date : 19 August 2011

### 1. Chemical product and company identification

**Product name** DUSTREAT DC9136 (Dustsolv DS 936)

**Synonyms** Not available.

#### Recommended use and Limitations on use

**Recommended use** Material handling treatment.

**Limitations on use** Take precautionary measures against static discharge.

**Issue date** Jan-27-2011

**Revision date** 13/01/2018

**Supersedes date** 19/08/2011

#### Company/undertaking identification

JV Process and Water Chemicals LLC

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### 2. Hazards identification

#### Emergency overview

Causes serious eye irritation. Causes mild skin irritation. Dangerous for the environment if discharged into watercourses.

#### Hazard categories

**Physical hazards** Not classified.

**Health hazards** Skin corrosion/irritation Category 3  
Serious eye damage/eye irritation Category 2A

**Environmental hazards** Hazardous to the aquatic environment, acute hazard Category 3  
Hazardous to the aquatic environment, long-term hazard Category 3

#### Label elements

##### Pictograms



##### Signal word

Warning

##### Hazard statement

H316 Causes mild skin irritation.  
H319 Causes serious eye irritation.  
H412 Harmful to aquatic life with long lasting effects.

##### Precautionary statement

###### Prevention

P280 Wear eye/face protection.  
P264 Wash thoroughly after handling.  
P273 Avoid release to the environment.  
P280 Wear eye protection/face protection.



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### Response

P302 + P352  
 P305 + P351 + P338  
  
 P332 + P313  
 P337 + P313  
 P305 + P351 + P338

IF ON SKIN: Wash with plenty of soap and water.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 If skin irritation occurs: Get medical advice/attention.  
 If eye irritation persists: Get medical advice/attention.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### Storage

Store away from incompatible materials.

### Disposal

P501

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

### Physical and chemical hazards

The product is stable and non-reactive under normal conditions of use, storage and transport. No unusual fire or explosion hazards noted.

### - Health/physical hazard

Causes mild skin irritation. Expected to be a low ingestion hazard. Causes serious eye irritation.

### - Environmental hazards

Harmful to aquatic life with long lasting effects.

### Supplemental information

None.

## 3. Composition/information on ingredients

### Substance/mixture

Mixtures

### Chemical name

### Concentration (%)

### CAS Number

CARBOXYLATED STYRENE/BUTADIENE

30 - 60

PROPRIETARY

## 4. First aid measures

### Inhalation

Move to fresh air. Call a physician if symptoms develop or persist.

### Skin contact

Do not peel polymer from the skin. Wash off with soap and water.

### Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Continue rinsing. Get medical attention if irritation develops and persists.

### Ingestion

Rinse mouth. Get medical attention if symptoms occur.

### Most important symptoms and health effects

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Mild skin irritation.

### Expected acute symptoms and delayed symptoms

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Mild skin irritation.

### Personal protection for first-aid responders

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

### Notes to physician

Provide general supportive measures and treat symptomatically. Symptoms may be delayed.

## 5. Fire-fighting measures

### Extinguishing media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

### Extinguishing media to avoid

Do not use water jet as an extinguisher, as this will spread the fire.

### Specific hazards

During fire, gases hazardous to health may be formed.

### Special fire fighting procedures

Move containers from fire area if you can do so without risk.

### Protection of fire-fighters

Move containers from fire area if you can do so without risk.

### General fire hazards

No unusual fire or explosion hazards noted.

### Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

#### For emergency responders

Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.



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<b>Environmental precautions</b>	Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
<b>Clean-up methods and materials and containment measures</b>	Prevent product from entering drains.  Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.  Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.  Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
<b>Recovery and neutralization</b>	Not available.
<b>Prevention of secondary hazards</b>	Not available.
<b>7. Handling and storage</b>	
<b>Handling</b>	Static electricity and formation of sparks must be prevented. Avoid contact with eyes, skin, and clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.
<b>Storage</b>	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. To maintain product quality, do not store in heat or direct sunlight. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).
<b>8. Exposure controls/personal protection</b>	
<b>Exposure limits</b>	No exposure limits noted for ingredient(s).
<b>Biological limit values</b>	No biological exposure limits noted for the ingredient(s).
<b>Monitoring methods</b>	Follow standard monitoring procedures.
<b>Engineering measures</b>	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.
<b>Personal protective equipment</b>	
<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Hand protection</b>	Wear appropriate chemical resistant gloves.
<b>Eye protection</b>	Wear safety glasses with side shields (or goggles).
<b>Skin and body protection</b>	Wear suitable protective clothing.
<b>Hygiene measures</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

<b>Appearance</b>	Emulsion
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	White
<b>Odor</b>	Mild
<b>pH (concentrated product)</b>	8.7
<b>pH in aqueous solution</b>	9.1 (5% DISP.)
<b>Melting point/freezing point</b>	-1 °C
<b>Boiling point, initial boiling point, and boiling range</b>	Not available.



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Flash point	> 93 °C P-M(CC)
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	17.5 mm Hg
Vapor pressure temp.	20 °C
Vapor density	0.62 (Air = 1)
Relative density	1.02
Relative density temperature	21 °C
Density	Not available.
Solubility(ies)	
Solubility (water)	< 0.1 %
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Evaporation rate	< 1 (Ether = 1)
Flammability (solid, gas)	Not applicable.
Other data	
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Pour point	-3 °C
Specific gravity	1.021
Viscosity	380 cps
Viscosity temperature	21 °C
VOC (Weight %)	0 % (Estimated)

### 10. Stability and reactivity

Stability	Not available.
Possibility of hazardous reactions	Not available.
Conditions to avoid	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

### 11. Toxicological information

#### Acute toxicity

Product	Species	Test Results
DUSTREAT DC9136 (Dustsolv DS 936) (CAS Mixture)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	> 5000 mg/kg, (Calculated according to GHS additivity formula)
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg, (Calculated according to GHS additivity formula)

\* Estimates for product may be based on additional component data not shown.

**Routes of exposure** Skin contact. Eye contact.



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<b>Symptoms</b>	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Mild skin irritation.
<b>Skin corrosion/irritation</b>	Prolonged skin contact may cause temporary irritation.
<b>Serious eye damage/eye irritation</b>	Causes serious eye irritation.
<b>Respiratory or skin sensitization</b>	
<b>Respiratory sensitization</b>	This product is not expected to cause respiratory sensitization. Not a respiratory sensitizer.
<b>Skin sensitizer</b>	This product is not expected to cause skin sensitization.
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
<b>Carcinogenicity</b>	Not available.
<b>Toxic to reproduction</b>	This product is not expected to cause reproductive or developmental effects.
<b>Specific target organ toxicity following single exposure</b>	Not classified.
<b>Specific target organ toxicity following repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not an aspiration hazard.

## 12. Ecological information

### Ecotoxicological data

Product	Species	Test Results
DUSTREAT DC9136 (Dustsolv DS 936) (CAS Mixture)		
	0% Mortality    Fathead Minnow	5000 mg/L, Static Bioassay with 48-Hour Renewal, 96 hour
<b>Aquatic</b>		
Crustacea	LC50            Daphnia magna	97 mg/L, Static Renewal Bioassay, 48 hour
	NOEL            Daphnia magna	31 mg/L, Static Renewal Bioassay, 48 hour

\* Estimates for product may be based on additional component data not shown.

<b>Ecotoxicity</b>	Harmful to aquatic life with long lasting effects.
<b>Bioaccumulation</b>	No data available.
<b>Mobility in soil</b>	No data available for this product.
<b>Other hazardous effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.
<b>Environmental fate</b>	Harmful to aquatic life with long lasting effects. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
<b>Persistence and degradability</b>	Not inherently biodegradable. Testing has shown product not to be readily biodegradable.
- COD (mgO <sub>2</sub> /g)	1500
- BOD 5 (mgO <sub>2</sub> /g)	33
- BOD 28 (mgO <sub>2</sub> /g)	29
- Closed Bottle Test (% Degradation in 28 days)	0
- Zahn-Wellens Test (% Degradation in 28 days)	4
- TOC (mg C/g)	400

## 13. Disposal considerations

<b>Residual waste</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
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**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

**Local disposal regulations** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

### 14. Transport information

#### CNDG

**UN number** None  
**UN proper shipping name** Not Applicable  
**Transport hazard class(es)**  
**Class** Not available.  
**Subsidiary risk** -  
**Packing group** Not Applicable

**International regulations** If detailed packaging information is needed, please contact your GE Water & Process Technologies representative or customer service

#### IATA

Not regulated as dangerous goods.

#### IMDG

Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not established.

### 15. Regulatory information

#### Inventory of Existing Chemical Substances in China

Country(s) or region	Inventory name	On inventory (yes/no)*
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)  
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**Applicable regulations** OELs. Occupational Exposure Limits for Hazardous Agents in the Workplace, Part 1, Chemical Hazardous Agents  
Law of the Peoples Republic of China on prevention of environmental pollution caused by solid waste  
Provisions on the Environmental Administration of New Chemical substances  
Rule of safety use the chemicals in workplace This safety data sheet conforms to the following laws, regulations and standards:  
Regulations on the Control over Safety of Dangerous Chemicals  
Regulations on Labor Protection in Workplaces Where Toxic Products Are Used  
Measures for the Safe Use of Chemicals in Workplaces  
Safety Data Sheet for Chemical Products - Content and Order of Sections (GB/T 16483-2008)  
General Rules for Preparation of Precautionary Labels for Chemicals (GB15258-2009 )  
Packing Symbol of Dangerous Goods(GB190-2009)  
Packing - Pictorial Marking for Handling of Goods (GB/T191-2009)

#### Occupational exposure limits for hazardous agents in the workplace (GBZ 2.1-2007)

Not listed.

#### Classification and code of dangerous goods (GB 6944-2012)

Regulated.

#### List of Dangerous Goods (GB 12268-2012)

Regulated.

#### The Principle of Classification of Transport Packaging Groups of Dangerous Goods (GB/T15098-2008)

Regulated.

#### General Specifications for Transport Packages of Dangerous Goods (GB 12463-2009)

Regulated.



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### Regulations on Road Transport of Dangerous Goods

Regulated.

### Regulations on Rail Road Transport of Dangerous Goods

Regulated.

### UN Recommendations on the Transport of Dangerous Goods (UN RTDG)

Regulated.

## 16. Other information

### References

EPA: ACQUIRE database  
GB6944-2012: Classification and Code of Dangerous Goods.  
GB12268-2012: List of Dangerous Goods.  
NLM: Hazardous Substances Data Base  
US. IARC Monographs on Occupational Exposures to Chemical Agents

### List of abbreviations

CAS: Chemical Abstract Service Registration Number

NFPA: National Fire Protection Association  
ACGIH: American Conference of Governmental Industrial Hygienists  
TWA: Time Weighted Average  
STEL: Short Term Exposure Limit  
LD50: Lethal Dose, 50%  
LC50: Lethal Concentration, 50%  
EC50: Effect Concentration, 50%  
NOEL: No Observed Effect Level  
COD: Chemical Oxygen Demand  
BOD: Biochemical Oxygen Demand  
TOC: Total Organic Carbon  
CEN: European Committee for Standardisation

### Further information

Correction in Section: 3,14

### Disclaimer

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### Revision information

This document has undergone significant changes and should be reviewed in its entirety.

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