



P&WC

SAFETY DATA SHEET

DUSTREAT DC9112E (Dustsolv DS 912)

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name or designation of the mixture DUSTREAT DC9112E (Dustsolv DS 912)

Version number 4.3

Revision date 12/12/2019

Supersedes date 24/02/2018

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Binder for dust control

Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

JV Process and Water Chemicals LLC

Address: Street V. Kadirov 10, Chirchik city,
Tashkent Region, Republic of Uzbekistan, 111727

Tel: +99871 209 10 40

Email address: info@pwch.uz

www.pwch.uz

1.4. Emergency telephone number

Multilingual emergency number (24/7)

Street V. Kadirov 10, Chirchik city,
Tashkent Region,
Republic of Uzbekistan, 111727

Tel: +99871 209 10 40

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 as amended

This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Hazard pictograms None.

Signal word None.

Hazard statements The product does not need to be labelled in accordance with EC directives or respective national laws.

Precautionary statements

Prevention Not available.

Response Not available.

Storage Not available.



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Disposal	Not available.
Supplemental label information	None.
2.3. Other hazards	None known.

SECTION 3: Composition/information on ingredients

Mixtures

Chemical description	Sulphonate in aqueous solution
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The components are not hazardous or are below required disclosure limits.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move to fresh air.
Skin contact	Wash off with plenty of water.
Eye contact	Immediately flush eye(s) with plenty of water.
Ingestion	Rinse mouth.

4.2. Most important symptoms and effects, both acute and delayed	Not applicable.
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4.3. Indication of any immediate medical attention and special treatment needed	Not available.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Dry chemical, CO ₂ , water spray or regular foam.
Unsuitable extinguishing media	Not available.

5.2. Special hazards arising from the substance or mixture	Oxides of carbon and sulphur evolved in fire.
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5.3. Advice for firefighters

Special protective equipment for firefighters	Self contained breathing apparatus. (CEN : EN 137) Protective clothing (CEN : EN 469) Protective gloves (CEN : EN 659) Helmet (CEN : EN 443)
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Special fire fighting procedures	Use standard firefighting procedures and consider the hazards of other involved materials. Prevent spillage and fire-fighting water from entering in public sewers or the immediate environment.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Protective clothing
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For emergency responders	Use personal protection recommended in Section 8 of the SDS.
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6.2. Environmental precautions	Prevent from entering sewers or the immediate environment. Accidental release of large quantities into the aquatic environment may harm aquatic organisms.
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6.3. Methods and material for containment and cleaning up	Absorb onto inert material and dispose of according to Controlled Waste Regulations.
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6.4. Reference to other sections	Please refer also to section no. 8 'Exposure controls' for further information.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling	Normal chemical handling. Ensure good ventilation.
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7.2. Conditions for safe storage, including any incompatibilities Store in dry, cool, well ventilated area.

7.3. Specific end use(s) Only for professional and industrial users

Shelf life 270 days

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits No exposure limits noted for ingredient(s).

Biological limit values No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures Not available.

Derived no effect levels (DNELs) Not available.

Predicted no effect concentrations (PNECs) Not available.

8.2. Exposure controls

Appropriate engineering controls Ensure good ventilation.

Individual protection measures, such as personal protective equipment

Eye/face protection Safety goggles.
CEN : EN 166

Skin protection

- Hand protection Protective gloves (Plastic, impervious) (Protection against unintentional short-term contact)
Neoprene gloves (Protection against unintentional short-term contact)
Rubber gloves (Protection against unintentional short-term contact)
Penetration time: > 480 min
Coating thickness: 0,5 mm
CEN : EN 420

- Other Protective clothing if splashing or repeated contact with product is likely.
CEN : EN ISO 13688

Respiratory protection Not required.

Thermal hazards Not available.

Environmental exposure controls Prevent from entering in public sewers or the immediate environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Colour Brown

Physical state Liquid

Odour Mild

Odour threshold Not available.

pH (concentrated product) Not available.

pH in aqueous solution 4,5 (10% SOL.)

Melting point/freezing point 0 °C

Initial boiling point and boiling range 100 °C

Flash point Not applicable.

Evaporation rate < 1 (Ether = 1)

Flammability (solid, gas) Not applicable.



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Upper/lower flammability or explosive limits

Flammability limit - lower (%) Not available.
Flammability limit - upper (%) Not available.

Vapour pressure 18 mm Hg
Vapour pressure temp. 21 °C
Vapour density < 1 (Air = 1)
Relative density 1,24
Relative density temperature 21 °C

Solubility

Solubility (water) 100 %

Partition coefficient (n-octanol/water) Not available.

Auto-ignition temperature Not applicable.

Decomposition temperature Not available.

Viscosity 1000 cps

Viscosity temperature 21 °C

Explosive properties Not available.

Oxidising properties Not available.

9.2. Other information

Pour point 3 °C
Shelf life 270 days
VOC 0 % (Calculated)

SECTION 10: Stability and reactivity

10.1. Reactivity Not available.

10.2. Chemical stability Material is stable under normal conditions.

10.3. Possibility of hazardous reactions Not applicable.

10.4. Conditions to avoid Protect from freezing.

10.5. Incompatible materials Avoid contact with strong oxidisers.

10.6. Hazardous decomposition products Oxides of carbon and sulphur evolved in fire.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Product	Test Results
DUSTREAT DC9112E (Dustsolv DS 912) (Mixture)	Oral LD50 rat: > 2000 mg/kg
Acute toxicity	Based on available data, the classification criteria are not met.
Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/irritation	May be irritating to eyes.
Respiratory or skin sensitisation	Based on available data, the classification criteria are not met.
Specific target organ toxicity - repeated exposure	Based on available data, the classification criteria are not met.
Specific target organ toxicity - single exposure	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.

Material name: DUSTREAT DC9112E (Dustsolv DS 912)

**SAFETY DATA SHEET****DUSTREAT DC9112E (Dustsolv DS 912)****Germ cell mutagenicity** Based on available data, the classification criteria are not met.**Reproductive toxicity** Based on available data, the classification criteria are not met.**Information on likely routes of exposure**

Ingestion May cause irritation of the gastrointestinal tract.
Inhalation Prolonged or excessive inhalation may cause respiratory tract irritation.
Skin contact May be irritating to the skin.
Eye contact May be irritating to eyes.

Symptoms Not available.**Aspiration hazard** Based on available data, the classification criteria are not met.**Mixture versus substance information** None known.**Other information** Not available.**SECTION 12: Ecological information****12.1. Toxicity**

Product	Species		Test Results
DUSTREAT DC9112E (Dustsolv DS 912) (CAS Mixture)			
Aquatic			
Crustacea	0% Mortality	Daphnia magna	2000 mg/l, Static Screen, 48 hour, (Estimated)
Fish	0% Mortality	Fathead minnow	2000 mg/l, Static Screen, 48 hour, (Estimated)

12.2. Persistence and degradability

- COD (mgO₂/g) 600 (calculated data)
- BOD 5 (mgO₂/g) 150 (calculated data)
- Zahn-Wellens Test (% Degradation in 28 days) > 70

12.3. Bioaccumulative potential Not available.**Partition coefficient n-octanol/water (log K_{ow})** Not available.**Bioconcentration factor (BCF)** Not available.**12.4. Mobility in soil** Not available.**12.5. Results of PBT and vPvB assessment** Not a PBT or vPvB substance or mixture.**12.6. Other adverse effects** Not available.**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

Contaminated packaging According to Controlled Waste Regulations.
 EWC (European Waste Code) recommendation : 15 01 02
 15 Waste packaging; absorbents, wiping cloths, filter materials and protective clothing not otherwise specified.
 15 01 Packaging (including separately collected municipal packaging waste).
 15 01 02 Plastic packaging.
 Depending on the origin and state of the waste, other EWC numbers may be applicable too.

Disposal methods/information According to Controlled Waste Regulations.
 EWC (European Waste Code) recommendation : 16 03 06
 16 Wastes not otherwise specified in the list.
 16 03 Off-specification batches and unused products.
 16 03 06 Organic wastes
 Depending on the origin and state of the waste, other EWC numbers may be applicable too.



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SECTION 14: Transport information

ADR

Not regulated as dangerous goods.

RID

Not regulated as dangerous goods.

ADN

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.

Not listed.

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

Not listed.

National regulations

Not available.

15.2. Chemical safety assessment

Not available.

Inventory status

Country(s) or region

Europe

Inventory name

European Inventory of Existing Commercial Chemical Substances (EINECS)

On inventory (yes/no)*

Yes



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Country(s) or region	Inventory name	On inventory (yes/no)*
Europe	European List of Notified Chemical Substances (ELINCS)	No

*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).

SECTION 16: Other information

List of abbreviations

EC-No: European Commission Number
COD: Chemical Oxygen Demand
IATA: International Air Transport Association
CAS: Chemical Abstract Service.
CLP: Classification, Labeling and Packaging REGULATION (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures.
CEN: European Committee for Standardization (Comité Européen de Normalisation).
TWA: Time Weighted Average.
STEL: Short-term Exposure Limit.
LD50: Lethal Dose 50%.
LC50: Lethal Concentration 50%.
EC50: Effective Concentration 50%.
NOEL: No observed effect level.
BOD: Biochemical oxygen demand.
TOC: Total Organic Carbon.
ADR: European agreement concerning the international carriage of dangerous goods by road (Accord européen relatif transport des marchandises dangereuses par route).
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures).
IMDG Code: International Maritime Dangerous Goods Code.
RID: Regulations concerning the international carriage of dangerous goods by rail (Règlement International concernant le transport de marchandises dangereuses par chemin de fer).
Safety data sheets of raw materials.

References

Information on evaluation method leading to the classification of mixture

The physical, health and environmental hazards of this mixture are assessed by applying the classification criteria for each hazard class or differentiation in Parts 2 to 5 of Annex I to Regulation (EC) No 1272/2008 (CLP).

Full text of any H-statements not written out in full under Sections 2 to 15

None.

Revision information

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

Training information

Provide training on safe handling while considering the type of application and exposure scenarios.

Based on EC Directive / Regulations

(EC) No 1907/2006 (REACH)
(EC) No 1272/2008
(EU) No 1357/2014
(EU) 2015/830

Further information

Correction in Section: 8,11,13,15,16