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Version 1

**1. IDENTIFICATION****Product Name** WD-A52**Other means of identification****Synonyms** None**Recommended use of the chemical and restrictions on use****Recommended Use** Flocculating agent**Uses advised against** No information available**Manufacturer Address**

Anderson Chemical Company, 325 South Davis Avenue, Litchfield, MN 55355 (320-693-2477)

**Emergency telephone number**

Chemtrec 1-800-424-9300

**2. HAZARDS IDENTIFICATION****GHS Classification**

The product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

**GHS-Labeling**

Product is not hazardous under US GHS.

**Hazard(s) not otherwise classified (HNOC) or not covered/classified by GHS****Advice;** Forms slippery/greasy layers with water.**Potential environmental effects;** This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.**3. COMPOSITION/INFORMATION ON INGREDIENTS****Substances /Mixtures**Mixture  
Chemical nature : Anionic polyacrylamide.

Contains no hazardous ingredients according to GHS

**Further information**

This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

## 4. FIRST AID MEASURES

### Description of first aid measures

#### General advice

Show this safety data sheet to the doctor in attendance.

#### Inhalation

No hazards which require special first aid measures. Move to fresh air.

#### Skin contact

Wash off with soap and water.

#### Eye contact

Rinse immediately with plenty of water, also under the eyelids. If possible use lukewarm water.

#### Ingestion

Rinse mouth with water. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice.

### Most important symptoms and effects, both acute and delayed

Symptoms : No information available.

Hazards : No information available.

### Indication of immediate medical attention and special treatment needed, if necessary

Treatment : Symptomatic treatment.

## 5. FIREFIGHTING MEASURES

### Suitable extinguishing media

Water spray

Carbon dioxide (CO<sub>2</sub>)

Dry chemical

### Unsuitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### Special hazards arising from the substance or mixture

Dust may be explosive if mixed with air in critical proportions and in the presence of a source of ignition.

### Special protective actions for fire-fighters

In the event of fire, wear self-contained breathing apparatus.

Use NIOSH/MSHA approved respiratory protection.

### Further information

Forms slippery/greasy layers with water.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

For personal protection see section 8.

### Environmental precautions

Prevent product from entering drains.

### Methods and materials for containment and cleaning up

Product becomes slippery when it is wet. Sweep up and shovel into suitable containers for disposal. After cleaning, flush away traces with water.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

Avoid dust formation during handling. For personal protection see section 8. The product is hygroscopic. Protect from moisture.

### Conditions for safe storage, including any incompatibilities

Store in original container.

Materials for packaging

Unsuitable material: To avoid product degradation and equipment corrosion, do not use iron, copper or aluminium containers or equipment.

### Materials to avoid:

Strong oxidizing agents

To avoid product degradation and equipment corrosion, do not use iron, copper or aluminium containers or equipment.

### Storage stability:

Storage temperature 39.2 - 89.6 °F

Other data Reason:  
integrity

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

If exposure limits exist, they are listed below. If no exposure limits are displayed, then no values are applicable.

Contains no substances with occupational exposure limit values.

### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands and face before breaks and immediately after handling the product. Avoid contact with skin, eyes and clothing. Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation.

Ensure adequate ventilation.

### Individual protection measures, such as personal protective equipment Industrial Hygiene

Handle in accordance with good industrial hygiene and safety practice.

### Respiratory protection

When there is potential for airborne exposures in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection.

### Hand protection

Glove material: Rubber or plastic gloves

Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough.

### Skin and body protection

Wear protective clothing if necessary.

### Eye protection

Safety glasses with side-shields conforming to EN166

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state</b>	solid
<b>Form</b>	powder
<b>Colour</b>	off-white
<b>Odour</b>	odourless
<b>Odour Threshold pH</b>	No data available 7 - 9 Concentration: 0.5 % (as aqueous solution)
<b>Freezing point/Melting point :</b>	not determined
<b>Initial boiling point and boiling range</b>	Not applicable
<b>Flash point</b>	Not applicable
<b>Evaporation rate Flammability (solid, gas)</b>	Not applicable
<b>Explosive properties:</b>	

<b>Lower explosion limit</b>	Not applicable
<b>Upper explosion limit</b>	Not applicable
<b>Oxidizing properties</b>	The substance or mixture is not classified as oxidizing.
<b>Vapour pressure</b>	Not applicable
<b>Relative vapour density</b>	No data available
<b>Density</b>	No data available
<b>Relative density</b>	No data available
<b>Bulk density</b>	750 - 950 kg/m <sup>3</sup>
<b>Solubility(ies):</b>	
<b>Water solubility</b>	Limited by viscosity.
<b>Partition coefficient: n-octanol/water</b>	Not applicable
<b>Auto-ignition temperature</b>	> 150 °C
<b>Decomposition temperature</b>	> 302 °F
<b>Viscosity:</b>	
<b>Viscosity, dynamic</b>	Not applicable
<b>Viscosity, kinematic</b>	No data available
<b>Oxidizing potential</b>	The substance or mixture is not classified as oxidizing.
<b>Surface tension</b>	Not applicable

## 10. STABILITY AND REACTIVITY

### Reactivity

Stable under recommended storage conditions.

### Chemical stability

The product is chemically stable.

### Possibility of hazardous reactions

Hazardous polymerisation does not occur.

### Conditions to avoid

Avoid moisture.

### Incompatible materials

Strong oxidizing agents

To avoid product degradation and equipment corrosion, do not use iron, copper or aluminium containers or equipment.

### Hazardous decomposition products

Ammonia  
Carbon oxides  
Nitrogen oxides (NO<sub>x</sub>)

## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects

<b>Acute oral toxicity</b>	<p>Conclusion: The acute toxicological results displayed may not be the results of actual testing of this material but based on a similar tested material.</p> <p>LD50/Rat/&gt;/5,000 mg/kg Remarks: estimated</p>
<b>Acute inhalation toxicity</b>	<p>LC50/Rat/4 h/&gt;/20.0 mg/l Remarks: estimated</p>
<b>Acute dermal toxicity</b>	<p>LD50/Rabbit/&gt;/2,000 mg/kg Remarks: estimated</p>
<b>Skin corrosion/irritation</b>	<p>Conclusion: No skin irritation</p>
<b>Serious eye damage/eye irritation</b>	<p>Conclusion: No eye irritation</p>
<b>Respiratory or skin sensitisation</b>	
<b>Skin sensitisation</b>	<p>Conclusion: Not sensitizing.</p>
<b>Germ cell mutagenicity</b>	
<b>Genotoxicity in vivo</b>	<p>Conclusion: Based on available data, the classification criteria are not met.</p>
<b>Carcinogenicity</b>	
<b>Carcinogenicity</b>	<p>Based on available data, the classification criteria are not met.</p>
<b>Reproductive toxicity</b>	
<b>Toxicity for reproduction</b>	<p>Conclusion: Based on available data, the classification criteria are not met.</p>
<b>Specific target organ toxicity - single exposure</b>	<p>/The substance or mixture is not classified as specific target organ toxicant, single exposure.</p>
<b>Specific target organ toxicity - repeated exposure</b>	<p>/The substance or mixture is not classified as specific target organ toxicant, repeated exposure.</p>
<b>Aspiration hazard</b>	
<b>Aspiration toxicity</b>	<p>No aspiration toxicity classification</p>

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity effects

#### Aquatic toxicity

Remarks: Ecotoxicological information provided is based on a structurally or compositionally similar product., Acute toxicity tests conducted using environmentally representative water.  
LC50/96 h/Branchydanio rerio (zebra fish)/OECD Test Guideline 203: > 100 mg/l

LC50/96 h/Lepomis macrochirus (Bluegill sunfish)/Acute toxicity/OECD Test Guideline 203: > 100 mg/l

Remarks: fresh water  
LC50/96 h/Oncorhynchus mykiss (rainbow trout)/Acute toxicity/OECD Test Guideline 203: > 100 mg/l

Remarks: fresh water  
EC50/48 h/Daphnia magna (Water flea)/OECD Test Guideline 202: > 100 mg/l  
IC50/72 h/Green algae (Selenastrum capricornutum)/OECD Test Guideline 201: > 100 mg/l

#### Toxicity to other organisms

No data available

#### Persistence and degradability

Biological degradability:

Remarks: Ecotoxicological information provided is based on a structurally or compositionally similar product.

Modified Sturm Test/OECD Test Guideline 301B/28 d: < 70 %

Not readily biodegradable.

#### Bioaccumulative potential

Partition coefficient: n-octanol/water: Not applicable

#### Mobility in soil

Water solubility: Limited by viscosity.  
Surface tension: Not applicable

#### Other adverse effects

No data available

Additional ecological information: Ecotoxicological information provided is based on a structurally or compositionally similar product. This material is not classified as dangerous for the environment. The effects on aquatic organisms are due to an external (non-systemic) mode of action and are significantly reduced (by a factor of 7-20) within 30 minutes due to the binding of the product to dissolved organic carbon and inorganic sorbents such as clays and silts.

### 13. DISPOSAL CONSIDERATIONS

<b>Product</b>	Recycling, recovery and reuse of materials is recommended if permitted by regulations. In accordance with local and national regulations.
<b>Contaminated packaging</b>	Must be disposed of in accordance with local and national regulations.

### 14. TRANSPORT INFORMATION

#### Land transport

Not classified as dangerous in the meaning of transport regulations.

#### Sea transport

Not classified as dangerous in the meaning of transport regulations.

#### Air transport

Not classified as dangerous in the meaning of transport regulations.

#### Special precautions for user

None known.

### 15. REGULATORY INFORMATION

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

##### SARA Title III Section 311 Categories

No SARA Hazards

##### SARA 302 Extremely Hazardous Substances

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

##### SARA 313 - Specific Toxic Chemical Listings

This material does not contain any chemical components that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

##### California Proposition 65

WARNING: This product contains a chemical(s) known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to

[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Acrylamide (79-06-1) < 0.05 %



**Notification status**

USA	:	All components of this product are included in the United States TSCA Chemical Inventory or are not required to be listed on the United States TSCA Chemical Inventory.
Canada	:	All components of this product are included in the Canada Domestic Substance List (DSL) or are not required to be listed on the Canada Domestic Substance List (DSL).
European Union	:	All components of this product are included in the European Inventory of Existing Chemical Substances (EINECS) or are not required to be listed on EINECS.
Australia	:	All components of this product are included in the Australian Inventory of Chemical Substances (AICS) or are not required to be listed on the Australian Inventory of Chemical Substances (AICS).
China	:	All components of this product are included on the Chinese inventory or are not required to be listed on the Chinese inventory.
Japan	:	All components of this product are included on the Japanese (ENCS) inventory or are not required to be listed on the Japanese (ENCS) inventory.
South Korea	:	All components of this product are included in the Korean (ECL) inventory or are not required to be listed on the Korean (ECL) inventory.
Philippines	:	All components of this product are included on the Philippine (PICCS) inventory or are not required to be listed on the Philippine (PICCS) inventory.
New Zealand	:	All components of this product are included in the New Zealand inventory (NZIoC) or are not required to be listed on the New Zealand inventory(NZIoC).
Taiwan	:	All components of this product are included on the Taiwan Toxic Chemical Substances Control Act Inventory.

**16. OTHER INFORMATION****HMIS Rating**

Health: 0  
 Flammability: 1  
 Reactivity: 0

**NFPA Rating**

Health: 0  
 Fire: 1  
 Reactivity: 0

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**Prepared By**

lmt

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18-Mar-2014

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06-Jun-2020

**Revision Note**

No Information Available