1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product information

Product name
WE-A03P
Recommended use of the chemical and restrictions on use

Use of the Substance/Mixture
Flocculating agent.
Recommnded restrictions on use
-

Supplier's details
Anderson Chemical Company
325 South David Avenue
Litchfield, MN 55355
320-693-2477

Emergency number
CHEMTREC: 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture
Skin irritation; Category 2; Causes skin irritation.

GHS-Labelling
Hazard pictograms

Signal word: Warning

Hazard statements:
H315 Causes skin irritation.

Precautionary statements:

Prevention:
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P362 Take off contaminated clothing.

Disposal:
P501 Dispose of contents/container as special waste in compliance with local and national regulations.

Other hazards which do not result in classification

Advice: Solutions extremely slippery when spilled.
Inhalation: Avoid breathing vapors or mist.
Skin: Causes skin irritation.
Eyes: May cause eye irritation.
Ingestion: May cause gastrointestinal irritation, nausea, vomiting, and diarrhea.
3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances /Mixtures

Chemical nature: Anionic polyacrylamide in water-in-oil emulsion.

Hazardous components

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Concentration [%]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum), hydrotreated light</td>
<td>64742-47-8</td>
<td>20 - 24 %</td>
</tr>
<tr>
<td>Alcohols, C12-16, ethoxylated</td>
<td>68551-12-2</td>
<td>0 - 2.6 %</td>
</tr>
<tr>
<td>Alcohols, C10-16, ethoxylated</td>
<td>68002-97-1</td>
<td>0 - 2.6 %</td>
</tr>
<tr>
<td>Alcohols, C12-14, ethoxylated</td>
<td>68439-50-9</td>
<td>0 - 2.6 %</td>
</tr>
</tbody>
</table>

Components listed above that have a zero minimum and a common maximum range are interchangeably used components based on availability. Only one of these components is contained in the product up to the maximum amount noted.

4. FIRST AID MEASURES

Description of first aid measures

General advice
Show this safety data sheet to the doctor in attendance.

Inhalation
Remove to fresh air. If there is difficulty in breathing, medical advice is required.

Skin contact
Take off contaminated clothing and shoes immediately. Wash off with plenty of water. Consult a physician if necessary.
Wash contaminated clothing before reuse.

Eye contact
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Ingestion
Rinse mouth with water. Call a physician immediately. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed
Symptoms: No information available.
5. FIREFIGHTING MEASURES

Suitable extinguishing media
- Water spray
- Dry chemical
- Carbon dioxide (CO2)
- Alcohol-resistant foam

Unsuitable extinguishing media
- Do not use a solid water stream as it may scatter and spread fire.
- solid water stream, Water may be ineffective.

Special protective actions for fire-fighters
- Wear self-contained breathing apparatus and protective suit.
- Use NIOSH/MSHA approved respiratory protection.

Further information
- Cool containers/tanks with water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
- For personal protection see section 8. Avoid contact with skin, eyes and clothing. Where the exposure level is not known, wear approved, positive pressure, self-contained respirator. Where the exposure level is known, wear approved respirator suitable for the level of exposure.

Environmental precautions
- Prevent leakages from entering drains and ditches that lead to natural waterways.

Methods and materials for containment and cleaning up
- Danger for slipping. Soak up with inert absorbent material. Shovel into suitable container for disposal. Flush with water. Use detergent if needed.

7. HANDLING AND STORAGE

Precautions for safe handling
- Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities
- Store at room temperature in the original container.
Flashpoint determination was performed using a Pensky Martens type closed cup method. The method indicates a flash point greater than 93,3°C (200°F). Although there was no flashpoint detected below 93,3°C (200°F) some flammable vapours were evolved during the test as evidenced by the enlargement of the flame. Therefore caution should be exercised during storage and handling.

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

Materials to avoid:
- Strong oxidizing agents

Storage stability:
- Other data: Store at room temperature.
- Reason: Integrity

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value</th>
<th>Form of exposure</th>
<th>Control parameters</th>
<th>Update</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum), hydrotreated light</td>
<td>64742-47-8</td>
<td>TWA</td>
<td></td>
<td>200 mg/m³</td>
<td>2006-11-29</td>
<td>CA BC OEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td></td>
<td>197 ppm 1,200 mg/m³</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Appropriate engineering controls
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes and clothing. Do not breathe vapour. Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation.

Keep away from tobacco products. Keep away from food and drink. Wash hands before breaks and immediately after handling the product.

Individual protection measures, such as personal protective equipment
Respiratory protection
When there is potential for airborne exposures in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection.
Hand protection

Glove material: Chemical resistant gloves. Permeability tests are not available for this product. Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough.

Glove material: Nitrile rubber

Skin and body protection

Eye protection
Tightly fitting safety goggles

Environmental exposure controls
No data available

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>liquid, emulsion</td>
</tr>
<tr>
<td>Colour</td>
<td>white</td>
</tr>
<tr>
<td>Odour</td>
<td>sulphur dioxide</td>
</tr>
<tr>
<td>pH</td>
<td>4 - 6 (as aqueous solution)</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>Boiling point/boiling range ca. 212 °F</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 212 °F (Pensky-Martens)</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties:</td>
<td></td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density</td>
<td>No data available</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET

WE-A03P

Density: ca. 1.0 g/cm³
Solubility: dispersible

Partition coefficient: n-octanol/water: No data available
Decomposition temperature: No data available

Viscosity:
- Viscosity, kinematic: > 20.5 mm²/s (104 °F)
- Oxidising potential: The substance or mixture is not classified as oxidizing.

Surface tension: No data available

10. STABILITY AND REACTIVITY

Reactivity

Chemical stability

Possibility of hazardous reactions

Hazardous reactions: Hazardous polymerisation does not occur.

Conditions to avoid

Conditions to avoid: Stable under recommended storage conditions.

Incompatible materials

Materials to avoid: Strong oxidizing agents

Hazardous decomposition products

Hazardous decomposition products:
- Carbon oxides (COx)
- Ammonia
- Nitrogen oxides (NOx)

Thermal decomposition: Note: No data available

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects
# SAFETY DATA SHEET

**WE-A03P**

**Acute oral toxicity**

Distillates (petroleum), hydrotreated light: 
LD50/Rat/5,000 mg/kg

**Acute inhalation toxicity**

Distillates (petroleum), hydrotreated light: 
LC50/Rat/4 h/>5.2 mg/l

**Acute dermal toxicity**

Distillates (petroleum), hydrotreated light: 
LD50/Rabbit/>2,000 mg/kg

**Skin corrosion/irritation**

Rabbit
Result: Skin irritation
Remarks: The toxicological data has been taken from products of similar composition.
Conclusion: Irritating to skin.

**Serious eye damage/eye irritation**

Rabbit
Result: May cause mild irritation.
Remarks: The toxicological data has been taken from products of similar composition.
Conclusion: Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation**

**Mucous membranes**

Conclusion: No data available

**Skin sensitisation**

Conclusion: Based on available data, the classification criteria are not met.

**Skin sensitisation**

Distillates (petroleum), hydrotreated light:
Conclusion: This substance is not classified as a sensitizer.

**Germ cell mutagenicity**

**Genotoxicity in vitro**

AMES test
Conclusion: No data available

**Genotoxicity in vitro**

Distillates (petroleum), hydrotreated light:
Conclusion: No known effect.

**Genotoxicity in vivo**

Distillates (petroleum), hydrotreated light:
Conclusion: not mutagenic
Carcinogenicity

**Carcinogenicity**

Distillates (petroleum), hydrotreated light:

Not classified by IARC or NTP.

Reproductive toxicity

**Toxicity for reproduction**

Conclusion: Based on available data, the classification criteria are not met.

**Toxicity for reproduction**

Distillates (petroleum), hydrotreated light:

Conclusion: Did not show teratogenic effects in animal experiments.

Aspiration hazard

**Aspiration toxicity**

No aspiration toxicity classification

### 12. ECOLOGICAL INFORMATION

Ecotoxicity effects

**Aquatic toxicity**

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

LC50/96 h/Branchydanio rerio (zebra fish)/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)/Immobilization/OECD Test Guideline 202: > 100 mg/l

EC50/48 h/Ceriodaphnia dubia (Water flea)/Immobilization/OECD Test Guideline 202: > 100 mg/l

IC50/72 h/Green algae (Selenastrum capricornutum)/Growth inhibition/OECD Test Guideline 201: > 100 mg/l
Remarks: Ecotoxicological information provided is based on a structurally or compositionally similar product.

**Toxicity to other organisms**

No data available

**Persistence and degradability**

Biological degradability:
CO2 Evolution Test/OECD Test Guideline 301B:

The polymeric ingredient is not readily biodegradable.
Bioaccumulative potential
Because of the high molecular weight of the polymer diffusion through biological membranes is very small. Bioaccumulation is unlikely.
Partition coefficient: n-octanol/water: No data available

Mobility in soil
Water solubility: dispersible
Surface tension: No data available

Other adverse effects
No data available
Additional ecological information: Ecotoxicological information provided is based on a structurally or compositionally similar product.

13. DISPOSAL CONSIDERATIONS

Product
Recycling, recovery and reuse of materials is recommended if permitted by regulations. If recycling is not practicable, dispose of in compliance with local regulations. Incineration is recommended.
EPA Hazardous Waste - NO.

Contaminated packaging
Packages that cannot be cleaned must be disposed of the same way as the unused product.

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
Immediate (Acute) Health Effects: Yes;
Delayed (Chronic) Health Effects: No;
Fire Hazard: No;
Sudden Release Of Pressure Hazard: No;
Reactivity Hazard: No;

SARA 302 Extremely Hazardous Substances
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
None Present ()

SARA 313 - Specific Toxic Chemical Listings
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
None Present ()

California Proposition 65
Acrylamide (79-06-1) < 0.05 %
Remarks: This product contains a chemical or chemicals known to the state of California to cause cancer, birth defects or other reproduction harm.

Other regulations

Notification status

: 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.
: 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).
: 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).
16. OTHER INFORMATION

HMIS Rating
Health: 2
Flammability: 1
Reactivity: 0

NFPA Rating
Health: 2
Fire: 1
Reactivity: 0

Training advice
Read the safety data sheet before using the product.

Further information
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.
Sources of key data used to compile the Safety Data Sheet
Regulations, databases, literature, own tests.

Additions, Deletions, Revisions
Relevant changes have been marked with vertical lines.