

Ref. /US/EN

WE-C20

Revision Date: 04/24/2015

Print Date:09/22/2015

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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**Product information****Product name****WE-C20****Recommended use of the chemical and restrictions on use****Use of the Substance/Mixture**

Flocculating agent.

Recommended 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 corrosion/irritation; Category 2; Causes skin irritation.;

GHS-Labeling

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Hazard pictograms



Signal word

: Warning

Hazard statements

: **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; Contaminated surfaces will be extremely slippery.

Eyes; May cause slight irritation.

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.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances /Mixtures

Chemical nature

Cationic polyacrylamide.

Hazardous components

Chemical Name	CAS-No.	Concentration[%]
Distillates (petroleum), hydrotreated light	64742-47-8	22 - 23 %
Alcohols, C12-16, ethoxylated	68551-12-2	0 - 4.5 %
Alcohols, C12-14, ethoxylated	68439-50-9	0 - 4.5 %
Alcohols, C10-16, ethoxylated	68002-97-1	0 - 4.5 %
Alcohols, C13-15, branched and linear, ethoxylated	157627-86-6	0 - 4.5 %
Citric acid	77-92-9	0 - 2 %

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

Inhalation

Move to fresh air. If symptoms persist, call a physician.

Skin contact

Take off contaminated clothing and shoes immediately. Wash off with plenty of water. If symptoms persist, call a physician.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician if necessary.

Ingestion

Rinse mouth with water. Obtain medical attention.

Most important symptoms and effects, both acute and delayed

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5. FIREFIGHTING MEASURES

Suitable extinguishing media

Water spray

Dry chemical

Carbon dioxide (CO₂)

Alcohol-resistant foam

Special hazards arising from the substance or mixture

No information available.

Special protective actions for fire-fighters

Wear self-contained breathing apparatus and protective suit.

Further information

Cool containers/tanks with water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

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. For personal protection see section 8.

Environmental precautions

Try to prevent the material from entering drains or water courses.

Methods and materials for containment and cleaning up

Hazard of slipping on spilt product. 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

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

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of the flame. Therefore caution should be exercised during storage and handling.

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

Storage stability:

Other data

Store at room temperature in the original container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value	Form of exposure	Control parameters	Update	Basis
Distillates (petroleum), hydrotreated light	64742-47-8	TWA		200 mg/m ³	2006-11-29	CA BC OEL
		TWA		197 ppm 1,200 mg/m ³		

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 and eyes. Ensure adequate ventilation. Ensure that eyewash stations and safety showers are close to the workstation location.

Individual protection measures, such as personal protective equipment

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. (filter ABEK-P2)

Hand protection

Glove material: Chemical resistant gloves., nitrile rubberGloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough.

Skin and body protection

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Long sleeved clothing

Eye protection

Safety glasses

Environmental exposure controls

No data available

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	liquid,
Colour	greenish-white
Odour	hydrocarbon-like
pH	3 - 6
Initial boiling point and boiling range	Boiling point/boiling range 212 °F
Flash point	> 199.4 °F (closed cup) (Pensky-Martens)
Explosive properties:	
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapour pressure	similar to water
Density	ca. 1.02 g/cm ³
Solubility(ies):	
Water solubility	Limited by viscosity.
Partition coefficient: n-octanol/water	
Decomposition temperature	No data available
Surface tension	No data available

10. STABILITY AND REACTIVITY

Reactivity

Chemical stability

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Possibility of hazardous reactions

Hazardous reactions: Hazardous polymerisation does not occur.

Conditions to avoid

Conditions to avoid: Stable under normal conditions.

Incompatible materials

Materials to avoid: Strong oxidizing agents

Hazardous decomposition products

Hazardous decomposition products: Carbon oxides
Nitrogen oxides (NOx)
ammonia
Hydrogen chloride gas

Thermal decomposition: Note: No data available

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute oral toxicity	/>Remarks: estimated /Rat/5,000 mg/kg/LD50
Acute oral toxicity	Distillates (petroleum), hydrotreated light: />/Rat/5,000 mg/kg/LD50
Acute inhalation toxicity	LC50/Rat/4 h/>/20 mg/lRemarks: estimated
Acute inhalation toxicity	Distillates (petroleum), hydrotreated light: LC50/Rat/4 h/>/5.2 mg/l
Acute dermal toxicity	LD50/Rabbit/> /2,000 mg/kg Remarks: estimated
Acute dermal toxicity	Distillates (petroleum), hydrotreated light: LD50/Rabbit/> /2,000 mg/kg

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Skin corrosion/irritation	Result: Irritating to skin.
Serious eye damage/eye irritation	Conclusion: No eye irritation
Respiratory or skin sensitisation	
Skin sensitisation	Conclusion: Not sensitizing.
Skin sensitisation	Distillates (petroleum), hydrotreated light: Conclusion: This substance is not classified as a sensitizer.
Germ cell mutagenicity	
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	Distillates (petroleum), hydrotreated light: Conclusion: Did not show teratogenic effects in animal experiments.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Aquatic toxicity

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

LC50/96 h/Branchydanio rerio (zebra fish)/OECD Test Guideline 203: > 1 - 10 mg/l

EC50/48 h/Daphnia magna (Water flea)/Immobilization/OECD Test Guideline 202: > 10 - 100 mg/l

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Due to the cationicity of the polymer, test is not appropriate.
Toxicity to other organisms

No data available
Persistence and degradability

Biological degradability:
/OECD Test Guideline 301B:

Because of the high molecular weight of the polymer diffusion through biological membranes is very small. The polymeric ingredient is not readily biodegradable, but degradable by hydrolysis.

Bioaccumulative potential

Bioaccumulation is unlikely.
Partition coefficient: n-octanol/water: ; Not applicable

Mobility in soil

Water solubility: Limited by viscosity.
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.

14. TRANSPORT INFORMATION

Land transport

Not classified as dangerous in the meaning of transport regulations.

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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) < 0.1 %
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 : None

Notification status

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- :
- : 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.
- : 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).
- : 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 on the Chinese inventory or are not required to be listed on the Chinese inventory.
- : All components of this product are included on the Japanese (ENCS) inventory or are not required to be listed on the Japanese (ENCS) inventory.
- : All components of this product are included in the Korean (ECL) inventory or are not required to be listed on the Korean (ECL) inventory.
- : All components of this product are included on the Philippine (PICCS) inventory or are not required to be listed on the Philippine (PICCS) inventory.
- : This product's New Zealand Inventory of Chemical Substances (NZIoC) status has NOT been determined.
- : This product's Taiwan Toxic Chemical Substances Control Act Inventory status has NOT been determined.

16. OTHER INFORMATION

HMIS Rating

Health: 2

Flammability: 1

Reactivity: 0

NFPA Rating

Health: 2

Fire: 1

Reactivity: 0

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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.