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Version 1

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**Product Name** WE-C66**Other means of identification****Product Code** 66**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**Classification of the substance or mixture**

The material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard's (29CFR 1910.1200) implementation of the Globally Harmonized System (GHS), i.e., material is not a dangerous substance or mixture requiring GHS classification according to the US GHS regulations.;

GHS-Labeling

Product is not hazardous under US GHS.

Other hazards which do not result in classification

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances /Mixtures

Chemical nature Cationic Polyacrylamide, emulsion.

Hazardous components

Chemical Name	CAS-No.	Concentration[%]
Distillates (petroleum), hydrotreated light	64742-47-8	15 - 17 %

4. FIRST AID MEASURES

Description of first aid measures

Inhalation

Remove to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

Skin contact

Remove contaminated clothing and shoes. Wash off immediately with plenty of water. Wash contaminated clothing before re-use. If a person feels unwell or symptoms of skin irritation appear, consult a physician.

Eye contact

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

Ingestion

If swallowed, call a poison control centre or doctor immediately. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

5. FIREFIGHTING MEASURES

Suitable extinguishing media

Water spray

Carbon dioxide (CO₂)

Dry chemical

Unsuitable extinguishing media

none

Special hazards arising from the substance or mixture

Burning may produce toxic and irritant gases.

Special protective actions for fire-fighters

Wear self-contained breathing apparatus and protective suit. Use NIOSH/MSHA approved respiratory protection. For personal protection see section 8.

Further information

In the event of fire, cool 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. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

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

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 40.1 - 90.0 °F

Other data Reason:
integrity

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. Avoid contact with skin and eyes. Do not breathe vapours, aerosols. Ensure adequate ventilation. Wash hands before breaks and immediately after handling the product. Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation.

Wash hands before breaks and immediately after handling the product. Wash hands before eating, drinking, or smoking. Keep away from food and drink. Keep away from tobacco products.

Individual protection measures, such as personal protective equipment

Respiratory protection

Where exposures are below the established exposure limit, no respiratory protection is required. Where exposures exceed the established exposure limit, use respiratory protection recommended for the material and level of exposure.

Hand protection

Glove material: Chemical resistant gloves., Permeability tests are not available for this product. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough.

Skin and body protection

Avoid contact with skin. Protective clothing.

Eye protection

Tightly fitting safety goggles Ensure that eyewash stations and safety showers are close to the workstation location.

Environmental exposure controls

No data available

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical state	liquid, viscous
Colour	opaque, to, greenish, milky, white
Odour	hydrocarbon-like
pH	6 - 8 (as aqueous solution)
Melting point/range	No data available
Initial boiling point and boiling range	Boiling point/boiling range 212 °F
Flash point	> 201 °F (closed cup) (Pensky-Martens)
Evaporation rate	< 1 (n-butyl acetate = 1)
Explosive properties:	
Lower explosion limit	No data available
Upper explosion limit	No data available

Vapour pressure	similar to water
Relative vapour density	similar to water
Density	approximately 1.04 g/cm ³
Solubility(ies):	
Water solubility	Limited by viscosity.
Partition coefficient: n-octanol/water	Not applicable
Viscosity:	
Viscosity, kinematic	> 1,000 mm ² /s (40 °C) similar product
Oxidising potential	The substance or mixture is not classified as oxidizing.
Surface tension	not determined

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

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

Hazardous decomposition products

Hazardous decomposition products: Ammonia
Carbon oxides (COx)
oxides of nitrogen
hydrogen chloride (HCl)

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute oral toxicity	Conclusion: The acute toxicological results displayed may not be the results of actual testing of this material but based on a similar tested material. />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
Skin corrosion/irritation	Remarks: The toxicological data has been taken from products of similar composition. Conclusion: Irritating to skin.
Serious eye damage/eye irritation	Remarks: The toxicological data has been taken from products of similar composition. 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**

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

Genotoxicity in vitro**Distillates (petroleum), hydrotreated light:**

Conclusion: No known effect.

Genotoxicity in vivo**Distillates (petroleum), hydrotreated light:**

Conclusion: not mutagenic

Carcinogenicity**Carcinogenicity**

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

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.

12. ECOLOGICAL INFORMATION**Ecotoxicity effects****Aquatic toxicity**

LC50/96 h/Pimephales promelas (fathead minnow)/OECD Test Guideline 203: 2.65 mg/l

Remarks: similar product

LC50/48 h/Pimephales promelas (fathead minnow)/static test/EPA Whole Effluent Toxicity Method 600/4-90/027F: 8.36 - 9.14 mg/l

Remarks: similar product

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

Remarks: similar product

LC50/48 h/Ceriodaphnia dubia (Water flea)/OECD Test Guideline 202: 1.92 mg/l

Remarks: similar product

LC50/48 h/Ceriodaphnia dubia (Water flea)/static test/EPA Whole Effluent Toxicity Method 600/4-90/027F: 0.81 - 1.32 mg/l

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

Toxicity to other organisms

No data available

Persistence and degradability

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

Not readily biodegradable. Because of the high molecular weight of the polymer diffusion through biological membranes is very small.

Biochemical Oxygen Demand (BOD): 627 mg/l

Chemical Oxygen Demand (COD): 3,310 mg/l

Bioaccumulative potential

Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water: Not applicable

Mobility in soil

Water solubility: Limited by viscosity.

Surface tension: not determined

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) < 0.1 %

Remarks: This product contains a chemical or chemicals known to the state of California to cause cancer, birth defects or other reproduction harm.

Notification status

- :
- : 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 have NOT yet been included in the Australian Inventory of Chemical Substances (AICS) or assessed by Worksafe Australia.
- : All components of this product are NOT included on the Japanese (ENCS) inventory.
- : All components of this product are NOT included on the Korean (ECL) inventory.
- : All components of this product are NOT included on the Philippine (PICCS) inventory.
- : All components of this product are included on the Chinese inventory or are not required to be listed on the Chinese 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: 1
Fire: 1
Reactivity: 0

Training advice

Read the safety data sheet before using the product.

Further information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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.