

Material Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Product name: **Floquat WS11**

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Product Use: Processing aid for industrial applications.

2. HAZARDS IDENTIFICATION

Hazard Identification

Spills produce extremely slippery surfaces. Harmful if swallowed. Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Identification: Dicyandiamide based coagulant in aqueous solution

Regulated Components

Chemical Name	EC-No.	Classification	Weight %
Guanidine, cyano-, polymer with ammonium chloride and formaldehyde	Polymer	Xn, R22; R52/53	50

The wording of the hazard symbols and Risk phrases is specified in section 16 if dangerous ingredients are mentioned.

4. FIRST AID MEASURES

Skin contact: Remove and wash contaminated clothing and gloves, including the inside, before reuse. Wash off immediately with plenty of water. In case of persistent skin irritation, consult a physician.

Eye contact: Rinse immediately with plenty of water for at least 15 minutes. Keep eye wide open while rinsing. Consult a physician.

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

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water spray. Foam. Carbon dioxide (CO₂).

Precautions: Spills produce extremely slippery surfaces.

Special protective equipment for firefighters: In case of fire, wear a self contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: No special precautions required.

Environmental precautions: As with all chemical products, do not flush into surface water.

Methods for cleaning up: Dam up. Soak up with inert absorbent material. If liquid has been spilt in large quantities clean up promptly by scoop or vacuum. Keep in suitable and closed containers for disposal. After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Handling

Avoid contact with skin, eyes and clothing. When preparing the working solution ensure there is adequate ventilation. Do not breathe vapours or spray mist. When using do not smoke.

Storage

Keep in a dry cool place (0 - 30 °C). Store in original container. Keep away from heat and sources of ignition. Freezing will affect the physical condition and may damage the material.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures

Ensure adequate ventilation. Use local exhaust if misting occurs. Natural ventilation is adequate in absence of mists.

Personal protective equipment

Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection: PVC or other plastic material gloves.

Eye protection: Safety glasses with side-shields. Do not wear contact lenses where this product is used.

Skin and body protection: Chemical resistant apron or protective suit if splashing or repeated contact with solution is likely.

Hygiene measures

Wash hands and face before breaks and immediately after handling the product. When using do not eat, drink or smoke. Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Viscous liquid

Color: Colorless

Odor: None

pH: 3 - 6

Specific Gravity: 1.20 - 1.25

Flash point: >100

Freezing point (°C): -5

Autoignition temperature (°C): Not applicable

Water solubility: Completely miscible

LogPow: 0

10. STABILITY AND REACTIVITY

Stability: Stable. Hazardous polymerisation does not occur.

Materials to avoid: Oxidizing agents may cause exothermic reactions.

Hazardous decomposition products: No decomposition if stored and applied as directed. Burning of the dried material can produce: hydrogen chloride gas, nitrogen oxides (NO_x), carbon oxides.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral: LD50/oral/rat = 967 mg/kg. (OECD.N° 401, 1987).

Skin: The product is not expected to be toxic.

Inhalation: The product is not expected to be toxic by inhalation.

Irritation

Skin: Prolonged skin contact may cause skin irritation and/or dermatitis.

Eyes: May cause eye irritation with susceptible persons.

Sensitization

No information available.

12. ECOLOGICAL INFORMATION

Aquatic toxicity

Toxicity to fish:

LC50/96 hours > 10 mg/l (OECD 203) (Based on results obtained from tests on analogous products.)

Toxicity to daphnia:

EC(I)50/Daphnia m./48 hours > 10 mg/l (OECD 202)

Toxicity to algae:

Algal inhibition tests are not appropriate. The flocculation characteristics of the product interfere directly in the test medium preventing homogenous distribution which invalidates the test

Environmental fate

Persistence and degradability:

Not readily biodegradable

Hydrolysis: Does not hydrolyse**Bioaccumulation:**

Does not bioaccumulate

LogPow: 0

13. DISPOSAL CONSIDERATIONS

Waste from residues/unused products: Dispose of in accordance with local, state and federal regulations.

Contaminated packaging: Dispose of as special waste in compliance with the Control of Pollution (Special Waste) Regulations 1980.

14. TRANSPORT INFORMATION

ADR/RID

Not classified as dangerous in the meaning of ADR/RID regulations.

IMDG/IMO

Not classified as dangerous in the meaning of IMO/IMDG transport regulations.

ICAO/IATA

Not classified as dangerous in the meaning of ICAO/IATA transport regulations.

15. REGULATORY INFORMATION

Classification and Labelling

Symbol(s):



Xn - Harmful.

Risk-phrase(s):

R22 - Harmful if swallowed.

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety-phrase(s):

S62 - If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

S61 - Avoid release to the environment. Refer to special instructions/safety data sheets.

International Inventories

European Union (EINECS/ELINCS):

Existing polymer according to the definition in the 7th Amendment to Directive 67/548/EEC. All starting materials and additives are listed in EINECS.

16. OTHER INFORMATION

Further information

Text of R phrases mentioned in Section 3:

Xn - Harmful

R22 - Also harmful if swallowed

R52 - Harmful to aquatic organisms.

R53 - May cause long-term adverse effects in the aquatic environment.

This MSDS was prepared in accordance with the following:

Regulation (EC) N° 1907/2006

Regulation (EC) N° 1272/2008

Directive 67/548/EEC

Directive 1999/45/EC

as amended.

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