

MATERIAL SAFETY DATA SHEET

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1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

FLO POLYMER CP 608

Supplier :

SNF CANADA Ltd

2525 Place Leon Trepanier
Trois Rivieres, Quebec G9A 5E1
Tel : 819-378-1331

2. COMPOSITION/INFORMATION ON INGREDIENTS

Identification of the preparation : Cationic water-soluble polymer.

3. HAZARDS IDENTIFICATION

Aqueous solutions or powders that become wet render surfaces extremely slippery.

4. FIRST AID MEASURES

Inhalation : Move to fresh air.

Skin contact : Wash with water and soap as a precaution. In case of persistent skin irritation, consult a physician.

Eye contact : Rinse thoroughly with plenty of water, also under the eyelids. In case of persistent eye irritation, consult a physician.

Ingestion : The product is not considered toxic based on studies on laboratory animals.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Water, water spray, foam, carbon dioxide (CO₂), dry powder

Special fire-fighting precautions : Aqueous solutions or powders that become wet render surfaces extremely slippery.

Protective equipment for firefighters : No special protective equipment required.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : No special precautions required.

Environmental precautions : Do not contaminate water.

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Methods for cleaning up : Do not flush with water. 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 and eyes. Avoid dust formation. Do not breathe dust. Wash hands before breaks and at the end of workday.

Storage : Keep in a dry, cool place (0 - 35°C).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls : Use local exhaust if dusting occurs. Natural ventilation is adequate in absence of dusts.

Personal protection equipment

- **Respiratory protection :** Dust safety masks are recommended where concentration of total dust is more than 10 mg/m³.
 - **Hand protection :** Rubber gloves.
 - **Eye protection :** Safety glasses with side-shields. Do not wear contact lenses.
 - **Skin protection :** Chemical resistant apron or protective suit if splashing or contact with solution is likely.
- Hygiene measures :** Wash hands before breaks and at the end of workday. Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : granular solid

Color : white

Odor : none

pH : 2.5 - 4.5 @ 5g/l for product series. See Technical Bulletin for specific value.

Melting point (°C) : Not applicable.

Flash point (°C) : Not applicable.

Autoignition temperature (°C) : Not applicable.

Vapour pressure (mm Hg) : Not applicable.

Bulk density : See Technical Bulletin

Water solubility : See Technical Bulletin

Viscosity (mPa s) : See Technical Bulletin

10. STABILITY AND REACTIVITY

Stability : Product is stable, No hazardous polymerization will occur.
Oxidizing agents may cause exothermic reactions.

Hazardous decomposition products : Thermal decomposition may produce : hydrogen chloride gas, nitrogen oxides (NO_x), carbon oxides (CO_x).

11. TOXICOLOGICAL INFORMATION

Acute toxicity

- *Oral :* LD50/oral/rat > 5000 mg/kg
- *Dermal :* The results of testing on rabbits showed this material to be non-toxic even at high dose levels.
- *Inhalation :* The product is not expected to be toxic by inhalation.

Irritation

- *Skin :* The results of testing on rabbits showed this material to be non-irritating to the skin.
- *Eyes :* Testing conducted according to the Draize technique showed the material produces no corneal or iridial effects and only slight transitory conjunctival effects similar to those which all granular materials have on conjunctivae.

Sensitization : The results of testing on guinea pigs showed this material to be non-sensitizing.

Chronic toxicity : A two-year feeding study on rats did not reveal adverse health effects. A one-year feeding study on dogs did not reveal adverse health effects

12. ECOLOGICAL INFORMATION

Ecotoxicity:

The effects of this product on aquatic organisms are rapidly mitigated through hydrolysis and by the presence of dissolved organic carbon in the aquatic environment.

- *Fish* LC50/Danio rerio/96 hr = 5-10 mg/L (OECD 203)
- *Algae :* Algal inhibition tests are not appropriate. The flocculating characteristics of the product interfere directly in the test medium preventing homogenous distribution which invalidates the test.
- *Daphnia :* EC50/Daphnia magna/48 hr = 20-50 mg/L (OECD 202)

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Bioaccumulation : Does not bioaccumulate.
Persistence / degradability : Not readily biodegradable.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products : In accordance with federal, state and local regulations.
Contaminated packaging : Rinse empty containers with water and use the rinse water to prepare the working solution. Can be landfilled or incinerated, when in compliance with local regulations.

14. TRANSPORT INFORMATION

Not regulated by DOT / IATA / IMDG.

15. REGULATORY INFORMATION

All components of this product are on the TSCA and DSL inventories.

RCRA status : Not a hazardous waste.
Hazardous waste number : Not applicable
Reportable quantity (40 CFR 302) : Not applicable
Threshold planning quantity (40 CFR 355) Not applicable
California Proposition 65 information : *The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains a chemical(s) known to the State of California to cause cancer : residual Acrylamide*

HMIS & NFPA Ratings	HMIS	NFPA
Health :	1	1
Flammability :	1	1
Reactivity :	0	0

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16. OTHER INFORMATION

Person to contact : Regulatory Affairs Manager

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.