

SECTION 1 IDENTIFICATION

Product Trade Name: F-Clean
Recommended Use: Powder detergent
Restrictions on Use: For Industrial and Institutional use only
Manufacturer: Maxim Chemical International Inc.
 1607 Derwent Way, Delta, B.C. Canada V3M 6K8
 (800) 663-9925
Emergency Phone Number: Canada: Canutec 613-996-6666
 U.S.A.: Chemtrec 800-424-9300

SECTION 2 HAZARD IDENTIFICATION

Physical Hazards: CORROSIVE TO METALS - Category 1
Health Hazards: SKIN CORROSION/ IRRITATION - Category 1
 EYE DAMAGE/ IRRITATION - Category 1

Label Elements:



Signal Word: Danger
Hazard Statement: H290 May be corrosive to metals.
 H314 Causes severe skin burns and eye damage.
 H318 Causes serious eye damage.
 H335 May cause respiratory irritation

Precautionary Statements:

Prevention: P234 Keep only in original packaging.
 P260 Do not breathe dusts or mists.
 P264 Wash hands or affected area thoroughly after handling.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P264 Wash hands and affected area thoroughly after handling.
Responses: P390 Absorb spillage to prevent material-damage.
 P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 P363 Wash contaminated clothing before reuse.
 P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P310 Immediately call a Poison Center/doctor/physician if you feel unwell.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P321 Specific treatment (see supplemental first aid information on this label).
Storage: P406 Store in a corrosion resistant container with a resistant inner liner.
 P405 Store locked up.
Disposal: P501 Dispose of contents/container to an approved waste disposal plant. Dispose content/material in accordance with all local, provincial or federal regulations.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Approx. Wt. %	CAS #
Sodium Metasilicate	5-10	6834-92-0

SECTION 4 FIRST AID MEASURES

Inhalation: Immediately remove the affected victim to fresh air. If symptoms persist, obtain medical attention. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a POISON CENTER or doctor/physician if feeling unwell.

- Skin Contact:** Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.
- Eye Contact:** Immediately flush with warm running water for at least 15 minutes, holding eyelids open during flushing. Remove contact lenses, if present and easy to do. If irritation persists, repeat flushing and obtain medical attention immediately.
- Ingestion:** Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

If irritation occurs or persists, get medical attention.

SECTION 5 FIRE-FIGHTING MEASURES

- Extinguishing Media:** Use extinguishing media suitable for surrounding fires.
- Flammability:** Not flammable.
- Flash Point:** Not flammable.
- Special Firefighting Procedures:** Wear full protective equipment including a NIOSH/MSHA approved, self-contained breathing apparatus for firefighting situation. Use water spray to cool all nearby fire exposed surfaces.
- Unusual Fire / Explosion Hazards:** None.
- Hazardous Decomposition Products:** Carbon oxides, sulphur oxides, phosphorous oxides.

SECTION 6 ACCIDENTAL RELEASE MEASURES

- Environmental Protection Precautions:** Do not release to the environment or water source.
- Steps to Be Taken In Case Material Is Released or Spilled:** Wear protective equipment. Avoid dust formation. Shovel dry material, vacuum residue and dispose into an appropriate waste container. Flush area with water if appropriate. Keep material away from sewers. Reuse if possible, otherwise dispose recovered material in accordance with all local, provincial or federal regulations.

SECTION 7 HANDLING AND STORAGE

- Precautions to Be Taken in Handling and Storage:** Use good industrial hygiene. Do not get in eyes, on skin or on clothing. Avoid breathing dust. Store in a cool, dry place away from incompatibles. Keep container closed when not in use. Keep out of reach of children. Store at temperatures below 30°C (86°F).

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

- Exposure Limits:**
 OSHA (PEL): N/A
 ACGIH TLV: N/A
 Other exposure limit: N/A
- Appropriate Engineering Controls:** Good general ventilation or local exhaust ventilation for dust generated in confined areas.
- Individual Protection Measures / Personal Protective Equipment:**
- Gloves:** Non-permeable gloves (rubber, nitrile) recommended.
- Masks/Goggles:** Use chemical goggles, safety glasses or face shield if eye contact may occur.
- Respirator:** Use NIOSH/MSHA approved dust respirator if product dust is generated.
- Protective Clothing:** Wear protective clothing to minimize skin contact
- Other Protective Equipment:** Eye wash, safety shower and full protective clothing recommended in the immediate work area.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

- Appearance:** White powder
- Odor:** Pleasant scent
- Odor threshold:** N/A
- pH:** 11.5-12.0 (3.1% solution)
- Melting point/Freezing point:** N/A
- Initial boiling point and boiling range:** N/A
- Flash Point:** Not flammable
- Evaporation Rate (Water=1):** N/A
- Flammability:** Not flammable

Upper/Lower flammability or explosive limits:	None.
Vapor pressure:	N/A
Vapor density:	N/A
Relative density/Specific gravity (Water = 1):	N/A
Solubility(ies):	Soluble in water
Partition coefficient: n-octanol/water:	N/A
Auto-ignition temperature:	Not flammable
Decomposition temperature:	N/A

SECTION 10 STABILITY AND REACTIVITY

Reactivity:	N/A
Chemical stability:	Stable under normal storage conditions.
Possibility of hazardous reactions:	N/A
Conditions to avoid:	N/A
Incompatibility:	Strong acids, strong oxidizing agents.
Hazardous Decomposition Products:	Carbon oxides, sulphur oxides, phosphorous oxides

SECTION 11 TOXICOLOGICAL INFORMATION

Likely routes of exposure:	Skin and eye contact, inhalation.
Symptoms:	Corrosive to eyes and skin. May cause irritation of the respiratory tract.
Acute Toxicity Estimates:	LD ₅₀ (oral) > 2000 mg/kg; LD ₅₀ (dermal) > 2000 mg/kg;
Carcinogenicity:	Not listed by NTP, IARC, OSHA, ACGIH.

SECTION 12 ECOLOGICAL INFORMATION

Not required.

SECTION 13 DISPOSAL CONSIDERATIONS

Recommended Waste Disposal Methods: Reuse if possible. Otherwise dispose recovered material in accordance with all local, provincial or federal regulations.

SECTION 14 TRANSPORT INFORMATION

This product is classified as "Non-flammable, Non-hazardous, Not Restricted" for Transport purposes.

Canadian TDG

UN Number:	Not regulated.
UN Proper Shipping Name:	Not regulated.
Transport Hazard Class(es):	Not regulated.
Packing Group:	Not regulated.

SECTION 15 REGULATORY INFORMATION

All components of this product are listed on DSL/NDSL.

All pertinent hazard information has been provided in this SDS, as per the requirements of the Canadian Workplace Hazardous Materials Identification System Standards (CPR 4).

SECTION 16 OTHER INFORMATION

Acronym List:

ACGIH	American Conference of Governmental Industrial Hygienists
CFR	Code of Federal Regulations
DSL/NDSL	Domestic Substances List/Non-Domestic Substances List
IARC	International Agency for Research on Cancer
MSHA	Mine Safety and Health Administration
N/A	Not Available
NIOSH	The National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit

F-Clean

STOT - SE

Specific Target Organ Toxicity - Single Exposure

TDG

Transportation of Dangerous Goods

TLV

Threshold Limit Value

UN

United Nations

WHMIS

Workplace Hazardous Materials Information System

It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. **Maxim Chemical International Inc.** will accept no liability for damages or loss incurred from the improper handling and use of this product.

The information provided in the Safety Data Sheet has been obtained from current sources and is believed to be reliable.

PREPARED BY: Technical Service/Regulatory Division

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