

## GUARDIAN GUARD (ANTI-STAIN)

3M Canada Company  
Post Office Box 5757  
London, Ontario N6A 4T1  
Medical Emergency Telephone: (519) 451-2500, Ext. 2222  
Transportation Emergency Telephone (CANUTEC): (613) 996-6666

---

---

### Material Safety Data Sheet

---

---

Document id : 10-4347-0 Issue date : 06/08/2004  
Version : 11.00 Supersedes date : 06/08/2004

Copyright, 1997, 3M Canada Company. All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing 3M products is allowed provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from 3M, and (2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon.

Prepared by: Environmental Health and Safety Services  
Department, 3M Canada Company  
Telephone: (519) 452-2161, Fax: (519) 452-6015, Web Site: www.3M.ca

---

#### 1 Product Identification

---

Tradename:

FX-668F 3M BRAND STAIN RELEASE CONCENTRATE

Product ID:

98-0211-5674-4 98-0211-5675-1 98-0211-5676-9 98-0211-5677-7  
98-0211-5678-5 98-0212-3109-1

Intended Use of Product:

Stain Release

Division:

3M SPECIALTY MATERIALS

---

#### 2 Composition/Information on Ingredients

---

Ingredient Name	CAS Number	Percentage
WATER	7732-18-5	69 - 73
POLYMER RESIN	Trade Secret	24 - 28
ALKYL(C14-C16)OLEFIN SULFONATE, SODIUM SALT	68439-57-6	1 - 3
SODIUM SULFATE	7757-82-6	0.1 - 1.0

NOTE:

POLYMER RESIN is a Trade Secret material.

Each percentage is expressed as the ratio of the weight of the ingredient to the weight of the controlled product.

-----  
3 Hazards Identification  
-----

Critical Hazards:

No data available.

See Sections 7 and 11 for further information.

-----  
4 First Aid Measures  
-----

Instructions for Eye Contact:

Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

Instructions for Skin Contact:

Wash affected area with soap and water. If signs/symptoms develop, get medical attention.

Instructions for Inhalation:

Remove person to fresh air. If signs/symptoms develop, get medical attention.

Instructions for Ingestion:

No need for first aid is anticipated.

-----  
5 Fire Fighting Measures  
-----

Flash point: Not applicable

Lower Explosive Limit (%): Not applicable

Upper Explosive Limit (%): Not applicable

Autoignition temperature: Not applicable

Suitable Extinguishing Media:

Ordinary combustible material. Use fire extinguishers with class A extinguishing agents (e.g., water, foam).

Exposure Hazards during Fire:

Non-flammable: ordinary combustible material.

Combustion Products from Fire:

Carbon monoxide - During Combustion;

Carbon dioxide - During Combustion;

Oxides of Sulfur - During Combustion;

Toxic Vapour, Gas, Particulate - During Combustion;

Fire Fighting Procedures:

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

---

---

## 6 Accidental Release Measures

---

### Personal Precautions:

Observe precautions from other sections. Call 3M- HELPS line (1-800-364-3577) for more information on handling and managing the spill.

### Spill Response:

Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Ventilate the area with fresh air. Contain spill. Cover with soda ash (sodium carbonate) or sodium bicarbonate. Collect as much of the spilled material as possible. Clean up residue with a dilute solution (approximately 1 to 5%) of soda ash (sodium carbonate) or baking soda (sodium bicarbonate) in water. Place in a metal container approved for transportation by appropriate authorities. Seal the container. Dispose of collected material as soon as possible.

---

---

## 7 Handling and Storage

---

### Storage Requirements:

No data available.

### Incompatible Materials:

None known.

### Ventilation:

Keep container in well-ventilated area.

### Use Instructions:

For industrial or professional use only.

---

---

## 8 Exposure Controls/Personal Protection

---

### Personal Protection

---

#### Eye Protection:

Avoid eye contact with vapours, mists, or spray. The following should be worn alone or in combination, as appropriate, to prevent eye contact: Indirect vented goggles;

#### Hand Protection:

Wear appropriate gloves when handling this material. The following glove material(s) are recommended: nitrile rubber;

#### Skin Protection:

Avoid skin contact.

#### Respiratory Protection:

Avoid breathing of vapours, mists or spray. Select one of the following approved respirators based on airborne concentration of

-----  
contaminants and in accordance with regulations:

Half facepiece

air-purifying respirator with organic vapor/acid gas cartridges and N95 particulate prefilters

Half facepiece or fullface air-purifying respirator with organic vapor cartridges and P95 particulate prefilters

Half facepiece or fullface air-purifying respirator with organic vapour cartridges and N95 particulate prefilters;

Half facepiece or fullface air-purifying respirator with organic vapour cartridges and P100 particulate prefilters;

Ingestion (Prevention):

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

Recommended Ventilation:

Use in a well-ventilated area. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits. If ventilation is not adequate, use respiratory protection equipment.

#### Ingredient Exposure Data

-----

WATER (7732-18-5)

LD50 (rat, oral): >90 ml/kg

LC50 (rat, inhalation/4 hours)

: No data available.

Exposure Limits

: No data available.

POLYMER RESIN (Trade Secret)

Specific Ingredient Data: No data available.

LD50 (rat, oral)

: No data available.

LC50 (rat, inhalation/4 hours)

: No data available.

Exposure Limits

: No data available.

ALKYL(C14-C16)OLEFIN SULFONATE, SODIUM SALT (68439-57-6)

Specific Ingredient Data: No data available.

LD50 (rat, oral)

: No data available.

LC50 (rat, inhalation/4 hours)

: No data available.

Exposure Limits

: No data available.

SODIUM SULFATE (7757-82-6)

Specific Ingredient Data: No data available.

-----  
LD50 (rat, oral)  
: No data available.  
LC50 (rat, inhalation/4 hours)  
: No data available.  
Exposure Limits  
: No data available.

-----  
9 Physical and Chemical Properties  
-----

Physical form,Color,Odour: Liquid; solution; off-white  
to tan colour;  
Odour Threshold: No data available.  
pH: No data available.  
Boiling point/boiling range: 100 C  
Melting point/melting range: Not applicable  
Vapour pressure: 18 mmHg calculated @20 C  
Water Solubility: No data available.  
Specific gravity: 1.1 Water=1  
Vapour density: 0.62 Air=1 @20 C  
Volatile organic compounds: Not applicable  
Evaporation rate: Not available  
Viscosity: Not available  
Percent Volatile: 71 %

-----  
10 Stability and Reactivity  
-----

Conditions to Avoid:  
None known.  
Materials to Avoid:  
None known.  
Hazardous Decomposition:  
Carbon monoxide - During Combustion;  
Carbon dioxide - During Combustion;  
Oxides of Sulfur - During Combustion;  
Toxic Vapour, Gas, Particulate - During Combustion;  
Stability and Reactivity:  
Stable. Hazardous polymerization will not occur.

---

---

## 11 Toxicological Information

---

### Effects from Eye Contact:

Mild Eye Irritation: Signs/symptoms may include redness, pain, and tearing.

### Effects from Skin Contact:

Delayed Dermal Irritation: Signs/symptoms may include localized redness, swelling, itching, and pain. These effects may not appear immediately following exposure.

### Effects from Inhalation:

Prolonged or repeated exposure may cause: Upper Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

### Effects from Ingestion:

No health effects are expected.

### Sensitization Information:

No data available.

### Carcinogenicity:

No data available.

### Mutagenicity:

No data available.

### Reproductive Effects:

No data available.

### Component Based Information:

No data available.

### Product Based Information:

No data available.

---

---

## 12 Ecological Information

---

### Environmental Data:

#### Persistence/Biodegradability:

The components labeled 'insignificant biodegradation' did not degrade significantly in ready biodegradation tests.

#### Ecotoxicity Data:

Testing indicates this product is harmful to aquatic organisms (10 mg/L < Lowest LC50, EC50, or IC50 < or = 100 mg/L). Testing indicates this product has insignificant toxicity to wastewater treatment system organisms (sludge respiration IC50 > 1000 mg/L).

#### Ecofate Data:

---

---

### 13 Disposal Considerations

---

**Product as Sold:**

No data available.

**Product after Use:**

Incinerate in an industrial or commercial facility in the presence of a combustible material. As a disposal alternative, dispose of waste product in a facility permitted to accept chemical waste.

**Product Packaging:**

No data available.

**Special Instructions:**

Since regulations vary, consult applicable regulations or authorities before disposal.

---

---

### 14 Transportation Information

---

**Transportation of Dangerous Goods**

---

**TDG Classification:** Non-Regulated Material

**Special Information:**

Contact 3M for more information.

**International Dangerous Goods Classification**

---

---

---

### 15 Regulatory Information

---

**WHMIS Classification:** Not Controlled

**NOTE:**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**Product Certifications:**

The product on this MSDS, or all its components, is included on the following countries' chemical inventories, as noted:

TSCA - Toxic Substances Control Act (USA)

MITI - Ministry of International Trade and Industry (JAPAN)

AICS - Australian Inventory of Chemical Substances

NDSL - Non Domestic Substance List

CICS - Chinese Inventory of Chemical Substances

EINECS -

European Inventory of Existing Commercial Chemical Substances

-----  
-----  
16 Other Information  
-----

Reason for Reissue:

The following Sections and topics have been updated or revised:

Section 2 - Composition/Information on Ingredients;

Section 4 - First Aid Measures;

Section 5 - Fire Fighting Measures

Section 6 - Accidental Release Measures;

Section 7 - Handling and Storage;

Section 8 - Exposure Controls/Personal Protection;

Section 9 - Physical and Chemical Properties;

Section 10 - Stability and Reactivity;

Section 11 - Toxicological Information;

Section 12 - Ecological Information

Section 13 - Disposal Considerations;

The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, STATUTORY OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

---End---