



# Porcelain Etchant (4%HF)

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
Revision date: 6/23/2023 Supersedes: 3/13/2018 Version: 3.0

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : Porcelain Etchant (4%HF)

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : For Rx Only

#### 1.3. Supplier

##### Manufacturer

BISCO, Inc.  
1100 W. Irving Park Rd.  
Schaumburg, IL , 60193  
U.S.A.  
T 1-800-247-3368 or 1-847-534-6000  
[sales@bisco.com](mailto:sales@bisco.com) - [www.bisco.com](http://www.bisco.com)

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC - 24-Hour Hazmat Emergency Communications Center  
Domestic: 1-800-424-9300 Outside the U.S.: 1-703-527-3887, collect calls accepted

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

|                                              |      |                                         |
|----------------------------------------------|------|-----------------------------------------|
| Acute toxicity (oral) Category 3             | H301 | Toxic if swallowed                      |
| Acute toxicity (dermal) Category 2           | H310 | Fatal in contact with skin              |
| Acute toxicity (inhalation:vapor) Category 3 | H331 | Toxic if inhaled                        |
| Skin corrosion/irritation Category 1A        | H314 | Causes severe skin burns and eye damage |

Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

Hazard pictograms (GHS US)



Signal word (GHS US)

: Danger

Hazard statements (GHS US)

: H301+H331 - Toxic if swallowed or if inhaled  
H310 - Fatal in contact with skin  
H314 - Causes severe skin burns and eye damage

Precautionary statements (GHS US)

: P260 - Do not breathe fume, vapors.  
P262 - Do not get in eyes, on skin, or on clothing.  
P264 - Wash hands thoroughly after handling  
P270 - Do not eat, drink or smoke when using this product.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P301+P310 - If swallowed: Immediately call a POISON CENTER, a doctor  
P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting.  
P302+P352 - If on skin: Wash with plenty of water and soap

# Porcelain Etchant (4%HF)

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.

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 First aid measures on this label)

P361+P364 - Take off immediately all contaminated clothing and wash it before reuse.

P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

P501 - Dispose in a safe manner in accordance with local/national regulations

### 2.3. Other hazards which do not result in classification

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name                                              | Product identifier | %      | GHS US classification |
|---------------------------------------------------|--------------------|--------|-----------------------|
| Hydrofluoric Acid, 7%≤conc≤60%, aqueous solutions | CAS-No.: 7664-39-3 | 5 - 10 | Skin Corr. 1, H314    |

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

|                                       |                                                                                                                                                      |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures general            | : Call a physician immediately.                                                                                                                      |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. Call a doctor.                                                                      |
| First-aid measures after skin contact | : Remove/Take off immediately all contaminated clothing. Call a physician immediately. Rinse skin with water/shower.                                 |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately. |
| First-aid measures after ingestion    | : Rinse mouth. Call a physician immediately. Do not induce vomiting.                                                                                 |

### 4.2. Most important symptoms and effects (acute and delayed)

|                                     |                           |
|-------------------------------------|---------------------------|
| Symptoms/effects after skin contact | : Burns.                  |
| Symptoms/effects after eye contact  | : Serious damage to eyes. |
| Symptoms/effects after ingestion    | : Burns.                  |

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

# Porcelain Etchant (4%HF)

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### 5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : Only qualified personnel equipped with suitable protective equipment may intervene. Do not breathe fume, vapors.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.  
Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Do not get in eyes, on skin, or on clothing. Wear personal protective equipment. Do not breathe fume, vapors.  
Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep container tightly closed. Keep cool.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

# Porcelain Etchant (4%HF)

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### 8.3. Individual protection measures/Personal protective equipment

#### Hand protection:

Protective gloves

#### Eye protection:

Safety glasses

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

#### Personal protective equipment symbol(s):



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                                                 |                     |
|-------------------------------------------------|---------------------|
| Physical state                                  | : Liquid            |
| Appearance                                      | : Gel.              |
| Color                                           | : Orange            |
| Odor                                            | : Odourless         |
| Odor threshold                                  | : No data available |
| pH                                              | : $\approx 1$       |
| Melting point                                   | : Not applicable    |
| Freezing point                                  | : No data available |
| Boiling point                                   | : No data available |
| Flash point                                     | : No data available |
| Relative evaporation rate (butyl acetate=1)     | : No data available |
| Flammability (solid, gas)                       | : Not applicable.   |
| Vapor pressure                                  | : No data available |
| Relative vapor density at 20°C                  | : No data available |
| Relative density                                | : No data available |
| Solubility                                      | : No data available |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Auto-ignition temperature                       | : No data available |
| Decomposition temperature                       | : No data available |
| Viscosity, kinematic                            | : No data available |
| Viscosity, dynamic                              | : No data available |
| Explosion limits                                | : No data available |
| Explosive properties                            | : No data available |
| Oxidizing properties                            | : No data available |

### 9.2. Other information

No additional information available

# Porcelain Etchant (4%HF)

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity (oral) : Toxic if swallowed.  
Acute toxicity (dermal) : Fatal in contact with skin.  
Acute toxicity (inhalation) : Toxic if inhaled.

| Porcelain Etchant (4%HF) |                       |
|--------------------------|-----------------------|
| ATE US (oral)            | 100 mg/kg body weight |
| ATE US (dermal)          | 50 mg/kg body weight  |
| ATE US (vapors)          | 3 mg/l/4h             |

#### Hydrofluoric Acid, 7% ≤ conc ≤ 60%, aqueous solutions (7664-39-3)

|                    |                         |
|--------------------|-------------------------|
| LD50 dermal rabbit | ≤ 50 mg/kg Source: ECHA |
|--------------------|-------------------------|

Skin corrosion/irritation : Causes severe skin burns.  
pH: ≈ 1

#### Hydrofluoric Acid, 7% ≤ conc ≤ 60%, aqueous solutions (7664-39-3)

|    |     |
|----|-----|
| pH | < 1 |
|----|-----|

Serious eye damage/irritation : Assumed to cause serious eye damage  
pH: ≈ 1

#### Hydrofluoric Acid, 7% ≤ conc ≤ 60%, aqueous solutions (7664-39-3)

|    |     |
|----|-----|
| pH | < 1 |
|----|-----|

Respiratory or skin sensitization : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
STOT-single exposure : Not classified  
STOT-repeated exposure : Not classified

# Porcelain Etchant (4%HF)

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

|                                     |                           |
|-------------------------------------|---------------------------|
| Aspiration hazard                   | : Not classified          |
| Viscosity, kinematic                | : No data available       |
| Symptoms/effects after skin contact | : Burns.                  |
| Symptoms/effects after eye contact  | : Serious damage to eyes. |
| Symptoms/effects after ingestion    | : Burns.                  |

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Before neutralisation, the product may represent a danger to aquatic organisms.

| Hydrofluoric Acid, 7% ≤ conc ≤ 60%, aqueous solutions (7664-39-3) |                                                                                                        |
|-------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| LC50 - Fish [1]                                                   | 51 mg/l Test organisms (species): other:                                                               |
| LC50 - Fish [2]                                                   | 165 mg/l Test organisms (species): other:                                                              |
| EC50 72h - Algae [1]                                              | 43 - 122 mg/l Source: ECHA                                                                             |
| NOEC (chronic)                                                    | 14.1 mg/l Test organisms (species): Daphnia magna Duration: '21 d'                                     |
| NOEC chronic fish                                                 | 4 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '21 d' |

### 12.2. Persistence and degradability

| Hydrofluoric Acid, 7% ≤ conc ≤ 60%, aqueous solutions (7664-39-3) |                                   |
|-------------------------------------------------------------------|-----------------------------------|
| Persistence and degradability                                     | Biodegradability: not applicable. |
| Chemical oxygen demand (COD)                                      | Not applicable                    |
| ThOD                                                              | Not applicable                    |
| BOD (% of ThOD)                                                   | Not applicable                    |

### 12.3. Bioaccumulative potential

| Hydrofluoric Acid, 7% ≤ conc ≤ 60%, aqueous solutions (7664-39-3) |                      |
|-------------------------------------------------------------------|----------------------|
| Partition coefficient n-octanol/water (Log Pow)                   | -0.9 (Calculated)    |
| Bioaccumulative potential                                         | Not bioaccumulative. |

### 12.4. Mobility in soil

| Hydrofluoric Acid, 7% ≤ conc ≤ 60%, aqueous solutions (7664-39-3) |                                                           |
|-------------------------------------------------------------------|-----------------------------------------------------------|
| Ecology - soil                                                    | No (test) data on mobility of the component(s) available. |

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

# Porcelain Etchant (4%HF)

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

#### 14.1. UN number

|               |                  |
|---------------|------------------|
| DOT NA No     | : UN1790         |
| UN-No. (TDG)  | : Not applicable |
| UN-No. (IMDG) | : 1790           |
| UN-No. (IATA) | : 1790           |

#### 14.2. UN proper shipping name

|                             |                     |
|-----------------------------|---------------------|
| Proper Shipping Name (DOT)  | : Hydrofluoric acid |
| Proper Shipping Name (TDG)  | : Not applicable    |
| Proper Shipping Name (IMDG) | : Not applicable    |
| Proper Shipping Name (IATA) | : Not applicable    |

#### 14.3. Transport hazard class(es)

##### DOT

|                                  |           |
|----------------------------------|-----------|
| Transport hazard class(es) (DOT) | : 8 (6.1) |
| Hazard labels (DOT)              | : 8, 6.1  |



##### TDG

|                                  |                  |
|----------------------------------|------------------|
| Transport hazard class(es) (TDG) | : Not applicable |
|----------------------------------|------------------|

##### IMDG

|                                   |     |
|-----------------------------------|-----|
| Transport hazard class(es) (IMDG) | : 8 |
|-----------------------------------|-----|

##### IATA

|                                   |     |
|-----------------------------------|-----|
| Transport hazard class(es) (IATA) | : 8 |
|-----------------------------------|-----|

#### 14.4. Packing group

|                      |                  |
|----------------------|------------------|
| Packing group (DOT)  | : II             |
| Packing group (TDG)  | : Not applicable |
| Packing group (IMDG) | : Not applicable |
| Packing group (IATA) | : Not applicable |

#### 14.5. Environmental hazards

|                   |                                           |
|-------------------|-------------------------------------------|
| Other information | : No supplementary information available. |
|-------------------|-------------------------------------------|

#### 14.6. Special precautions for user

##### DOT

|             |          |
|-------------|----------|
| UN-No.(DOT) | : UN1790 |
|-------------|----------|

# Porcelain Etchant (4%HF)

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

|                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DOT Special Provisions (49 CFR 172.102)                          | : A6 - For combination packaging, if plastic inner packaging are used, they must be packed in tightly closed metal receptacles before packing in outer packaging.<br>A7 - Steel packaging must be corrosion-resistant or have protection against corrosion.<br>B15 - Packaging must be protected with non-metallic linings impervious to the lading or have a suitable corrosion allowance.<br>IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.<br>N5 - Glass materials of construction are not authorized for any part of a packaging which is normally in contact with the hazardous material.<br>N34 - Aluminum construction materials are not authorized for any part of a packaging which is normally in contact with the hazardous material.<br>T8 - 4 178.274(d)(2) Normal..... Prohibited<br>TP2 - a. The maximum degree of filling must not exceed the degree of filling determined by the following: (image) Where: tr is the maximum mean bulk temperature during transport, tf is the temperature in degrees celsius of the liquid during filling, and a is the mean coefficient of cubical expansion of the liquid between the mean temperature of the liquid during filling (tf) and the maximum mean bulk temperature during transportation (tr) both in degrees celsius. b. For liquids transported under ambient conditions may be calculated using the formula: (image) Where: d15 and d50 are the densities (in units of mass per unit volume) of the liquid at 15 C (59 F) and 50 C (122 F), respectively.<br>TP12 - This material is considered highly corrosive to steel. |
| DOT Packaging Exceptions (49 CFR 173.xxx)                        | : 154                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| DOT Packaging Non Bulk (49 CFR 173.xxx)                          | : 202                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| DOT Packaging Bulk (49 CFR 173.xxx)                              | : 243                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) | : 1 L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)     | : 30 L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| DOT Vessel Stowage Location                                      | : D - The material must be stowed "on deck only" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers or one passenger per each 3 m of overall vessel length, but the material is prohibited on passenger vessels in which the limiting number of passengers is exceeded.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| DOT Vessel Stowage Other                                         | : 12 - Keep as cool as reasonably practicable, 40 - Stow "clear of living quarters"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

### TDG

No data available

### IMDG

No data available

### IATA

No data available

## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.



# Porcelain Etchant (4%HF)

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

|                                                       |                   |         |
|-------------------------------------------------------|-------------------|---------|
| Hydrofluoric Acid, 7% ≤ conc ≤ 60%, aqueous solutions | CAS-No. 7664-39-3 | 5 - 10% |
|-------------------------------------------------------|-------------------|---------|

### Hydrofluoric Acid, 7% ≤ conc ≤ 60%, aqueous solutions (7664-39-3)

Listed on EPA Hazardous Air Pollutant (HAPS)

|                                                              |        |
|--------------------------------------------------------------|--------|
| CERCLA RQ                                                    | 100 lb |
| RQ (Reportable quantity, section 304 of EPA's List of Lists) | 100 lb |
| SARA Section 302 Threshold Planning Quantity (TPQ)           | 100 lb |

### 15.2. International regulations

#### CANADA

### Hydrofluoric Acid, 7% ≤ conc ≤ 60%, aqueous solutions (7664-39-3)

Listed on the Canadian DSL (Domestic Substances List)

#### EU-Regulations

No additional information available

#### National regulations

No additional information available

### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

| Component                                                         | State or local regulations                                                                                 |
|-------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Hydrofluoric Acid, 7% ≤ conc ≤ 60%, aqueous solutions (7664-39-3) | U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List |

## SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date : 06/23/2023

#### Full text of H-phrases

|      |                                         |
|------|-----------------------------------------|
| H301 | Toxic if swallowed                      |
| H310 | Fatal in contact with skin              |
| H314 | Causes severe skin burns and eye damage |
| H331 | Toxic if inhaled                        |

#### Indication of changes:

| Section | Changed item                      | Change   | Comments |
|---------|-----------------------------------|----------|----------|
|         | Revision date                     | Added    |          |
|         | Precautionary statements (GHS US) | Modified |          |
|         | Hazard statements (GHS US)        | Modified |          |

# Porcelain Etchant (4%HF)

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

|     |                               |          |  |
|-----|-------------------------------|----------|--|
|     | Signal word (GHS US)          | Added    |  |
|     | Issue date                    | Removed  |  |
|     | Supersedes                    | Added    |  |
| 6   | Emergency procedures          | Modified |  |
| 7.1 | Precautions for safe handling | Modified |  |

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.