



# Wonder Gel Stainless Steel Pickling Gel

## Safety Data Sheet

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

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Version: 2.0

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : Wonder Gel Stainless Steel Pickling Gel  
Product code : WG

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Bradford Derustit Corp  
PO Box 1194  
Yorba Linda, 92885  
T (714) 695-0899  
[sales@derustit.com](mailto:sales@derustit.com) - [www.DERUSTIT.com](http://www.DERUSTIT.com)

#### 1.4. Emergency telephone number

Emergency number : Chemtrec #3103 (within US) 800-424-9300; (outside US) 703-527-3887

### SECTION 2: Hazard(s) identification

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

##### GHS-US classification

|                                     |        |                                         |
|-------------------------------------|--------|-----------------------------------------|
| Ox. Liq. 3                          | H272 - | May intensify fire; oxidizer            |
| Acute Tox. 3 (Oral)                 | H301 - | Toxic if swallowed                      |
| Acute Tox. 2 (Dermal)               | H310 - | Fatal in contact with skin              |
| Acute Tox. 3 (Inhalation:dust,mist) | H331 - | Toxic if inhaled                        |
| Skin Corr. 1A                       | H314 - | Causes severe skin burns and eye damage |
| Eye Dam. 1                          | H318 - | Causes serious eye damage               |

Full text of H statements : see section 16

#### 2.2. Label elements

##### GHS-US labeling

Hazard pictograms (GHS-US)



Signal word (GHS-US)

: Danger

Hazard statements (GHS-US)

: H272 - May intensify fire; oxidizer  
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)

: P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
P220 - Keep/Store away from combustible materials  
P221 - Take any precaution to avoid mixing with combustible materials  
P260 - Do not breathe dust, fume, vapors  
P261 - Avoid breathing dust, 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  
P271 - Use only outdoors or in a well-ventilated area  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P301+P310 - If swallowed: Immediately call a POISON CENTER  
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/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  
P310 - Immediately call a POISON CENTER  
P311 - Call a POISON CENTER

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P330 - Rinse mouth  
P361 - Take off immediately all contaminated clothing  
P363 - Wash contaminated clothing before reuse  
P370+P378 - In case of fire: Use ABC-powder to extinguish  
P403+P233 - Store in a well-ventilated place. Keep container tightly closed  
P405 - Store locked up  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

### 2.3. Other hazards

Other hazards not contributing to the classification : None.

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

Not applicable

## SECTION 3: Composition/Information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

| Name                | Product identifier  | %       | GHS-US classification                                                                                                        |
|---------------------|---------------------|---------|------------------------------------------------------------------------------------------------------------------------------|
| Calcium nitrate     | (CAS No) 10124-37-5 | 15 - 40 | Acute Tox. 4 (Oral), H302                                                                                                    |
| Nitric acid         | (CAS No) 7697-37-2  | 10 - 30 | Ox. Liq. 3, H272<br>Skin Corr. 1A, H314                                                                                      |
| Ammonium bifluoride | (CAS No) 1341-49-7  | 10 - 20 | Acute Tox. 3 (Oral), H301<br>Skin Corr. 1B, H314                                                                             |
| Hydrofluoric acid   | (CAS No) 7664-39-3  | 1 - 5   | Acute Tox. 2 (Oral), H300<br>Acute Tox. 1 (Dermal), H310<br>Acute Tox. 2 (Inhalation:dust,mist), H330<br>Skin Corr. 1A, H314 |

Full text of H-phrases: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : Call a physician immediately. If you feel unwell, seek medical advice (show the label where possible).

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. Immediately remove contaminated clothing or footwear. Seek medical attention if burns develop. Wash skin with plenty of water.

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. Consult an ophtalmologist if irritation persists.

First-aid measures after ingestion : Rinse mouth. Call a physician immediately. Do not induce vomiting.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/injuries after skin contact : Burns.

Symptoms/injuries after eye contact : Serious damage to eyes.

Symptoms/injuries after ingestion : Burns.

### 4.3. Indication of any immediate medical attention and special treatment needed

Not applicable.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

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

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : May intensify fire; oxidizer.

Reactivity : May intensify fire; oxidizer.

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### 5.3. Advice for firefighters

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 : No open flames, no sparks, and no smoking. Only qualified personnel equipped with suitable protective equipment may intervene. Do not breathe dust/fume/gas/mist/vapors/spray. Evacuate unnecessary personnel.

#### 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 : Notify authorities if product enters sewers or public waters. In case of large spillages: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Shovel or sweep up and put in a closed container for disposal. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal.

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 : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Do not get in eyes, on skin, or on clothing. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapors/spray.

Hygiene measures : Wash contaminated clothing before reuse. Separate work clothes from street clothes. Launder separately. 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 locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

Incompatible materials : Combustible materials.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| Nitric acid (7697-37-2)       |                        |         |
|-------------------------------|------------------------|---------|
| ACGIH                         | ACGIH TWA (ppm)        | 2 ppm   |
| ACGIH                         | ACGIH STEL (ppm)       | 4 ppm   |
| OSHA                          | OSHA PEL (TWA) (mg/m³) | 5 mg/m³ |
| OSHA                          | OSHA PEL (TWA) (ppm)   | 2 ppm   |
| Hydrofluoric acid (7664-39-3) |                        |         |
| ACGIH                         | ACGIH TWA (ppm)        | 0.5 ppm |
| ACGIH                         | ACGIH Ceiling (ppm)    | 2 ppm   |
| OSHA                          | OSHA PEL (TWA) (ppm)   | 3 ppm   |

### 8.2. Exposure controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Hand protection : Chemically resistant protective gloves.

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|                                 |                                                                                                                                                                                                                  |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye protection                  | : Chemical goggles or safety glasses. Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles. |
| Skin and body protection        | : Wear suitable protective clothing.                                                                                                                                                                             |
| Respiratory protection          | : In case of insufficient ventilation, wear suitable respiratory equipment. Wear respiratory protection.                                                                                                         |
| Environmental exposure controls | : Avoid release to the environment.                                                                                                                                                                              |

### SECTION 9: Physical and chemical properties

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

|                                             |                                                                                                                                                      |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Physical state                              | : Liquid                                                                                                                                             |
| Color                                       | : Green                                                                                                                                              |
| Odor                                        | : acidic                                                                                                                                             |
| Odor threshold                              | : No data available                                                                                                                                  |
| pH                                          | : 2.6                                                                                                                                                |
| Melting point                               | : Not applicable                                                                                                                                     |
| Freezing point                              | : No data available                                                                                                                                  |
| Boiling point                               | : -212 °F                                                                                                                                            |
| Flash point                                 | : No data available                                                                                                                                  |
| Relative evaporation rate (butyl acetate=1) | : No data available                                                                                                                                  |
| Flammability (solid, gas)                   | : No data available                                                                                                                                  |
| Explosion limits                            | : No data available                                                                                                                                  |
| Explosive properties                        | : No data available                                                                                                                                  |
| Oxidizing properties                        | : No data available                                                                                                                                  |
| Vapor pressure                              | : No data available                                                                                                                                  |
| Relative density                            | : 1.2                                                                                                                                                |
| Relative vapor density at 20 °C             | : No data available                                                                                                                                  |
| Solubility                                  | : Water: Solubility in water of component(s) of the mixture :<br>• Hydrofluoric acid: 719.8 g/l (at 20 °C) • Ammonium bifluoride: 630 g/l (at 20 °C) |
| Log Pow                                     | : No data available                                                                                                                                  |
| Auto-ignition temperature                   | : No data available                                                                                                                                  |
| Decomposition temperature                   | : No data available                                                                                                                                  |
| Viscosity                                   | : No data available                                                                                                                                  |
| Viscosity, kinematic                        | : No data available                                                                                                                                  |
| Viscosity, dynamic                          | : No data available                                                                                                                                  |

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

May intensify fire; oxidizer.

#### 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

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

#### 10.5. Incompatible materials

Combustible materials.

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. On combustion, forms: carbon oxides (CO and CO<sub>2</sub>).

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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Oral: Toxic if swallowed. Dermal: Fatal in contact with skin. Inhalation:dust,mist: Toxic if inhaled.

| Wonder Gel Stainless Steel Pickling Gel |                                |
|-----------------------------------------|--------------------------------|
| ATE US (oral)                           | 80.040 mg/kg body weight       |
| ATE US (dermal)                         | 100.000 mg/kg body weight      |
| ATE US (dust, mist)                     | 1.000 mg/l/4h                  |
| Calcium nitrate (10124-37-5)            |                                |
| LD50 oral rat                           | 302 mg/kg                      |
| ATE US (oral)                           | 302.000 mg/kg body weight      |
| Nitric acid (7697-37-2)                 |                                |
| LC50 inhalation rat (ppm)               | 67 ppm/4h                      |
| ATE US (gases)                          | 67.000 ppmV/4h                 |
| Hydrofluoric acid (7664-39-3)           |                                |
| LC50 inhalation rat (mg/l)              | 0.79 mg/l (Exposure time: 1 h) |
| ATE US (oral)                           | 5.000 mg/kg body weight        |
| ATE US (dermal)                         | 5.000 mg/kg body weight        |
| ATE US (vapors)                         | 0.790 mg/l/4h                  |
| ATE US (dust, mist)                     | 0.050 mg/l/4h                  |
| Ammonium bifluoride (1341-49-7)         |                                |
| LD50 oral rat                           | 130 mg/kg                      |
| ATE US (oral)                           | 130.000 mg/kg body weight      |

Skin corrosion/irritation : Causes severe skin burns and eye damage.  
pH: 2.6

Serious eye damage/irritation : Causes serious eye damage.  
pH: 2.6

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Symptoms/injuries after skin contact : Burns.

Symptoms/injuries after eye contact : Serious damage to eyes.

Symptoms/injuries after ingestion : Burns.

### SECTION 12: Ecological information

#### 12.1. Toxicity

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

| Calcium nitrate (10124-37-5)  |                                                                          |
|-------------------------------|--------------------------------------------------------------------------|
| LC50 fish 1                   | 10000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static]) |
| Hydrofluoric acid (7664-39-3) |                                                                          |
| EC50 Daphnia 1                | 270 mg/l (Exposure time: 48 h - Species: Daphnia species)                |

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### 12.2. Persistence and degradability

#### Wonder Gel Stainless Steel Pickling Gel

|                               |                  |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |
|-------------------------------|------------------|

### 12.3. Bioaccumulative potential

#### Wonder Gel Stainless Steel Pickling Gel

|                           |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

#### Nitric acid (7697-37-2)

|         |                 |
|---------|-----------------|
| Log Pow | -2.3 (at 25 °C) |
|---------|-----------------|

#### Hydrofluoric acid (7664-39-3)

|            |                      |
|------------|----------------------|
| BCF fish 1 | (no bioaccumulation) |
|------------|----------------------|

|         |      |
|---------|------|
| Log Pow | -1.4 |
|---------|------|

#### Ammonium bifluoride (1341-49-7)

|            |                                   |
|------------|-----------------------------------|
| BCF fish 1 | (completely dissociated in water) |
|------------|-----------------------------------|

### 12.4. Mobility in soil

#### Wonder Gel Stainless Steel Pickling Gel

|                |                  |
|----------------|------------------|
| Ecology - soil | Not established. |
|----------------|------------------|

### 12.5. Other adverse effects

|                          |                                                                         |
|--------------------------|-------------------------------------------------------------------------|
| Effect on global warming | : No known ecological damage caused by this product.<br>Not established |
|--------------------------|-------------------------------------------------------------------------|

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|                                |                                                                                               |
|--------------------------------|-----------------------------------------------------------------------------------------------|
| Waste treatment methods        | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Waste disposal recommendations | : Dispose in a safe manner in accordance with local/national regulations.                     |

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT

|                                |                                                                                               |
|--------------------------------|-----------------------------------------------------------------------------------------------|
| Transport document description | : UN3264 Corrosive liquid, acidic, inorganic, n.o.s. (Nitric Acid, Hydrofluoric Acid), 8, III |
|--------------------------------|-----------------------------------------------------------------------------------------------|

|             |          |
|-------------|----------|
| UN-No.(DOT) | : UN3264 |
|-------------|----------|

|                            |                                                                                 |
|----------------------------|---------------------------------------------------------------------------------|
| Proper Shipping Name (DOT) | : Corrosive liquid, acidic, inorganic, n.o.s.<br>Nitric Acid, Hydrofluoric Acid |
|----------------------------|---------------------------------------------------------------------------------|

|             |                                                   |
|-------------|---------------------------------------------------|
| Class (DOT) | : 8 - Class 8 - Corrosive material 49 CFR 173.136 |
|-------------|---------------------------------------------------|

|                     |                 |
|---------------------|-----------------|
| Hazard labels (DOT) | : 8 - Corrosive |
|---------------------|-----------------|



|                     |                      |
|---------------------|----------------------|
| Packing group (DOT) | : III - Minor Danger |
|---------------------|----------------------|

|                                         |       |
|-----------------------------------------|-------|
| DOT Packaging Non Bulk (49 CFR 173.xxx) | : 203 |
|-----------------------------------------|-------|

|                                     |       |
|-------------------------------------|-------|
| DOT Packaging Bulk (49 CFR 173.xxx) | : 241 |
|-------------------------------------|-------|

|             |                                                 |
|-------------|-------------------------------------------------|
| DOT Symbols | : G - Identifies PSN requiring a technical name |
|-------------|-------------------------------------------------|

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|                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DOT Special Provisions (49 CFR 172.102)                          | : IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). 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, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672)<br>T7 - 4 178.274(d)(2) Normal..... 178.275(d)(3)<br>TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / 1 + a (tr - tf)$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling<br>TP28 - A portable tank having a minimum test pressure of 2.65 bar (265 kPa) may be used provided the calculated test pressure is 2.65 bar or less based on the MAWP of the hazardous material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP |
| DOT Packaging Exceptions (49 CFR 173.xxx)                        | : 154                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) | : 5 L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)     | : 60 L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| DOT Vessel Stowage Location                                      | : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| DOT Vessel Stowage Other                                         | : 40 - Stow "clear of living quarters"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Other information                                                | : No supplementary information available.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

### Transport by sea

|                             |                                               |
|-----------------------------|-----------------------------------------------|
| UN-No. (IMDG)               | : 3264                                        |
| Proper Shipping Name (IMDG) | : CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. |
| Class (IMDG)                | : 8 - Corrosive substances                    |
| Packing group (IMDG)        | : III - substances presenting low danger      |

### Air transport

|                             |                                               |
|-----------------------------|-----------------------------------------------|
| UN-No. (IATA)               | : 3264                                        |
| Proper Shipping Name (IATA) | : Corrosive liquid, acidic, inorganic, n.o.s. |
| Class (IATA)                | : 8 - Corrosives                              |
| Packing group (IATA)        | : III - Minor Danger                          |

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

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.

|                   |                  |          |
|-------------------|------------------|----------|
| Nitric acid       | CAS No 7697-37-2 | 10 - 30% |
| Hydrofluoric acid | CAS No 7664-39-3 | 1 - 5%   |

#### Calcium nitrate (10124-37-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### Nitric acid (7697-37-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on the United States SARA Section 302

Subject to reporting requirements of United States SARA Section 313

|                                                    |       |
|----------------------------------------------------|-------|
| SARA Section 302 Threshold Planning Quantity (TPQ) | 1000  |
| SARA Section 313 - Emission Reporting              | 1.0 % |

#### Hydrofluoric acid (7664-39-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on the United States SARA Section 302

Subject to reporting requirements of United States SARA Section 313

|                                                    |       |
|----------------------------------------------------|-------|
| SARA Section 302 Threshold Planning Quantity (TPQ) | 100   |
| SARA Section 313 - Emission Reporting              | 1.0 % |

#### Ammonium bifluoride (1341-49-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

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### 15.2. International regulations

#### National regulations

##### Wonder Gel Stainless Steel Pickling Gel

All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory

##### Calcium nitrate (10124-37-5)

Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on the Korean ECL (Existing Chemicals List)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on INSQ (Mexican national Inventory of Chemical Substances)  
Listed on CICR (Turkish Inventory and Control of Chemicals)

##### Nitric acid (7697-37-2)

Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on the Korean ECL (Existing Chemicals List)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Japanese Poisonous and Deleterious Substances Control Law  
Listed on the Canadian IDL (Ingredient Disclosure List)  
Listed on INSQ (Mexican national Inventory of Chemical Substances)  
Listed on CICR (Turkish Inventory and Control of Chemicals)

##### Hydrofluoric acid (7664-39-3)

Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on the Korean ECL (Existing Chemicals List)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Japanese Poisonous and Deleterious Substances Control Law  
Japanese Pollutant Release and Transfer Register Law (PRTR Law)  
Listed on the Canadian IDL (Ingredient Disclosure List)  
Listed on INSQ (Mexican national Inventory of Chemical Substances)  
Listed on CICR (Turkish Inventory and Control of Chemicals)

##### Ammonium bifluoride (1341-49-7)

Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on the Korean ECL (Existing Chemicals List)  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Japanese Poisonous and Deleterious Substances Control Law  
Japanese Pollutant Release and Transfer Register Law (PRTR Law)  
Listed on INSQ (Mexican national Inventory of Chemical Substances)  
Listed on CICR (Turkish Inventory and Control of Chemicals)

### 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

##### Calcium nitrate (10124-37-5)

U.S. - New Jersey - Right to Know Hazardous Substance List

##### Nitric acid (7697-37-2)

U.S. - Massachusetts - Right To Know List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List  
U.S. - Pennsylvania - RTK (Right to Know) List

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### Hydrofluoric acid (7664-39-3)

U.S. - Massachusetts - Right To Know List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List  
U.S. - Pennsylvania - RTK (Right to Know) List

### Ammonium bifluoride (1341-49-7)

U.S. - Massachusetts - Right To Know List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List  
U.S. - Pennsylvania - RTK (Right to Know) List

## SECTION 16: Other information

Revision date : 02/11/2016

Full text of H-phrases:

|      |                                         |
|------|-----------------------------------------|
| H272 | May intensify fire; oxidizer            |
| H300 | Fatal if swallowed                      |
| H301 | Toxic if swallowed                      |
| H302 | Harmful if swallowed                    |
| H310 | Fatal in contact with skin              |
| H314 | Causes severe skin burns and eye damage |
| H318 | Causes serious eye damage               |
| H330 | Fatal if inhaled                        |
| H331 | Toxic if inhaled                        |

SDS GHS US CUSTOM BLUE w/FIFRA

*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*