1. Identification

1.1. Product identifier
Product Identity ............... Control Plus
Alternate Names ............... Control Plus

1.2. Relevant identified uses of the substance or mixture and uses advised against
Intended use ..................... See Technical Data Sheet.
Application Method ............ See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet
Company Name ................. Gurtler Industries, Inc.
.................................. 15475 South LaSalle St.
.................................. South Holland, IL 60473 US

Emergency
24 hour Emergency Telephone No. (708) 331-2550
Customer Service: Gurtler Industries, Inc. INFOTRAC - (800) 535-5053

2. Hazard(s) identification

2.1. Classification of the substance or mixture
Acute Tox. 3;H301 Toxic if swallowed.
Acute Tox. 3;H311 Toxic in contact with skin.
Acute Tox. 3;H331 Toxic if inhaled.

2.2. Label elements
Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

[Prevention]:
P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

<table>
<thead>
<tr>
<th>Ingredient/Chemical Designations</th>
<th>Weight %</th>
<th>GHS Classification</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium silicofluoride</td>
<td>40-50</td>
<td>Acute Tox. 3;H331</td>
<td>[1]</td>
</tr>
<tr>
<td>CAS Number: 0016893-85-9</td>
<td></td>
<td>Acute Tox. 3;H311</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Acute Tox. 3;H301</td>
<td></td>
</tr>
<tr>
<td>Oxalic Acid Dihydrate</td>
<td>40-50</td>
<td>Acute Tox. 4;H312</td>
<td>[1]</td>
</tr>
<tr>
<td>CAS Number: 6153-56-6</td>
<td></td>
<td>Acute Tox. 4;H302</td>
<td></td>
</tr>
</tbody>
</table>

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General
In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation
Remove from exposure. If breathing has stopped, give artificial respiration. Get medical attention.

Eyes
Flush with cool water. Remove contact lenses, if applicable, and continue flushing for at least 15 minutes. Obtain medical attention.

Skin
Flush with cool water. Wash with soap and water. Obtain medical attention if irritation
4.2. Most important symptoms and effects, both acute and delayed

Overview

**Acute Over Exposure Effects**: Dust may cause irritation to eyes and respiratory tract. Ingestion may cause vomiting, abdominal pain, diarrhea, shortness of breath, difficulty speaking, thirst, muscular weakness, convulsion, loss of consciousness or death. Kidney injury may occur.

**Routes of Entry**: Inhalation, Skin

**Inhalation**: May cause irritation to the nose, throat, mucous membranes and lungs. Coughing and difficulty breathing may occur. Repeated or prolonged exposure to excessive concentrations of fluoride compounds may cause fluoride poisoning.

**Skin**: Contact may cause irritation and burning sensation.

**Eye**: Contact may cause severe irritation with redness and pain.

**Ingestion**: Causes gastrointestinal irritation with nausea and vomiting.

**Medical Conditions Generally Aggravated by Exposure**: Repeated exposure above PEL and TLV to fluoride dust may cause excessive calcification of ligaments of the ribs, pelvis and spinal column. Stiffness and limitation of motion may result.

See section 2 for further details.

<table>
<thead>
<tr>
<th>Routes</th>
<th>Effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>Toxic if inhaled.</td>
</tr>
<tr>
<td>Skin</td>
<td>Toxic in contact with skin.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Toxic if swallowed.</td>
</tr>
</tbody>
</table>

5. Fire-fighting measures

**5.1. Extinguishing media**

Product is non-flammable. Use extinguishing media required to control surrounding fire.

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

Hazardous decomposition: Hydrogen fluoride gas
Avoid breathing dust / fume / gas / mist / vapors / spray.
Do not get in eyes, on skin, or on clothing.

**5.3. Advice for fire-fighters**

Firefighters should wear full protective clothing including self-contained breathing apparatus. **ERG Guide No. ****

6. Accidental release measures
6.1. Personal precautions, protective equipment and emergency procedures
Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions
Do not allow spills to enter drains or waterways.
Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up
Keep unnecessary people away. Isolate hazard area and deny entry. Avoid breathing. With clean shovel, place material into clean, dry container and cover. Move containers from spill site.

Note: Waste is TOXIC!

7. Handling and storage

7.1. Precautions for safe handling
See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities
Handle containers carefully to prevent damage and spillage.
Store in original container. Do not store near food or feed since appearance is similar to salt and sugar. Segregate from strong acids.

Incompatible materials: Alkalis, cyanides, active metals (aluminum, magnesium), bleaches.
See section 2 for further details. - [Storage]:

7.3. Specific end use(s)
No data available.

8. Exposure controls and personal protection

8.1. Control parameters
Exposure

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0016893-85-9</td>
<td>Sodium silicofluoride</td>
<td>OSHA</td>
<td>2.5mg/m3 F</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>2.5mg/m3 F</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH</td>
<td>2.5mg/m3 F</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supplier</td>
<td>2.5mg/m3 F</td>
</tr>
<tr>
<td>6153-56-6</td>
<td>Oxalic Acid Dihydrate</td>
<td>OSHA</td>
<td>1.0 mg/m3 F TWA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>1.0 mg/m3 F TWA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH</td>
<td>1.0 mg/m3 F TWA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supplier</td>
<td>No Established Limit</td>
</tr>
</tbody>
</table>

The exposure limits for nuisance dust are: OSHA PEL: 15 mg/m3 (50 mppcf*) TWA, ACGIH 10 mg/m3.
Carcinogen Data

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0016893-85-9</td>
<td>Sodium silicofluoride</td>
<td>OSHA</td>
<td>Select Carcinogen: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NTP</td>
<td>Known: No; Suspected: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IARC</td>
<td>Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;</td>
</tr>
<tr>
<td>6153-56-6</td>
<td>Oxalic Acid Dihydrate</td>
<td>OSHA</td>
<td>Select Carcinogen: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NTP</td>
<td>Known: No; Suspected: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IARC</td>
<td>Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Respiratory Use NIOSH/MSHA approved respirator, following manufacturer's recommendations when concentrations exceed permissible exposure limits.

Eyes Chemical goggles/splash shield required.

Skin Rubber apron. Wear rubber gloves.

Engineering Controls Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Other Work Practices Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

Appearance White powder
Odor Odorless
Odor threshold Not determined
pH Not Measured
Melting point / freezing point Not Measured
Initial boiling point and boiling range Not Measured
Flash Point Non-flammable
Evaporation rate (Ether = 1) Not Measured
Flammability (solid, gas) Not Applicable
Upper/lower flammability or explosive limits Lower Explosive Limit: Not Measured
                                                             Upper Explosive Limit: Not Measured
Vapor pressure (Pa) Not Measured
Vapor Density Not Measured
Specific Gravity Not Measured
Safety Data Sheet
Control Plus

SDS Revision Date: 05/19/2015

Solubility in Water  Negligible
Partition coefficient n-octanol/water (Log Kow)  Not Measured
Auto-ignition temperature  Not Measured
Decomposition temperature  Not Measured
Viscosity (cSt)  Not Measured

9.2. Other information
No other relevant information.

10. Stability and reactivity

10.1. Reactivity
Hazardous Polymerization will not occur.

10.2. Chemical stability
Stable under normal circumstances.

10.3. Possibility of hazardous reactions
Strong Oxidizers

10.4. Conditions to avoid
Extreme heat and high energy sources of ignition.

10.5. Incompatible materials
Alkalis, cyanides, active metals (aluminum, magnesium), bleaches.

10.6. Hazardous decomposition products
Hydrogen fluoride gas

11. Toxicological information

Acute toxicity

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Oral LD50, mg/kg</th>
<th>Skin LD50, mg/kg</th>
<th>Inhalation Vapor LC50, mg/L/4hr</th>
<th>Inhalation Dust/Mist LC50, mg/L/4hr</th>
<th>Inhalation Gas LC50, ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium silicofluoride - (16893-85-9)</td>
<td>125.00, Rabbit - Category: 3</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxalic Acid Dihydrate (6153-56-6)</td>
<td>7500 mg/kg Rat 500 mg/24 hours Rabbit</td>
<td>500 mg/24 hours Rabbit</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

<table>
<thead>
<tr>
<th>Classification</th>
<th>Category</th>
<th>Hazard Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity (oral)</td>
<td>3</td>
<td>Toxic if swallowed.</td>
</tr>
</tbody>
</table>

Page 6 of 9
Acute toxicity (dermal) | 3 | Toxic in contact with skin.
Acute toxicity (inhalation) | 3 | Toxic if inhaled.
Skin corrosion/irritation | --- | Not Applicable
Serious eye damage/irritation | --- | Not Applicable
Respiratory sensitization | --- | Not Applicable
Skin sensitization | --- | Not Applicable
Germ cell mutagenicity | --- | Not Applicable
Carcinogenicity | --- | Not Applicable
Reproductive toxicity | --- | Not Applicable
STOT-single exposure | --- | Not Applicable
STOT-repeated exposure | --- | Not Applicable
Aspiration hazard | --- | Not Applicable

12. Ecological information

12.1. Toxicity
No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>96 hr LC50 fish, mg/l</th>
<th>48 hr EC50 crustacea, mg/l</th>
<th>ErC50 algae, mg/l</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium silicofluoride - (16893-85-9)</td>
<td>Not Available</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
<tr>
<td>Oxalic Acid Dihydrate (6153-56-6)</td>
<td>Not Available</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability
There is no data available on the preparation itself.

12.3. Bioaccumulative potential
Not Measured

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects
No data available.

13. Disposal considerations

13.1. Waste treatment methods
Observe all federal, state and local regulations when disposing of this substance.
### 14. Transport information

<table>
<thead>
<tr>
<th>DOT (Domestic Surface Transportation)</th>
<th>IMO / IMDG (Ocean Transportation)</th>
<th>ICAO/IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>14.1. UN number</strong></td>
<td>UN2674</td>
<td>UN2674</td>
</tr>
<tr>
<td><strong>14.2. UN proper shipping name</strong></td>
<td>Sodium fluorosilicate, mixture, 6.1, III</td>
<td>Sodium fluorosilicate, mixture, 6.1, III</td>
</tr>
<tr>
<td><strong>14.3. Transport hazard class(es)</strong></td>
<td>DOT Hazard Class: 6.1</td>
<td>IMDG: 6.1</td>
</tr>
<tr>
<td></td>
<td>IMDG: 6.1 Sub Class: 6.1</td>
<td></td>
</tr>
<tr>
<td><strong>14.4. Packing group</strong></td>
<td>III</td>
<td>III</td>
</tr>
<tr>
<td><strong>14.5. Environmental hazards</strong></td>
<td>IMDG</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Marine Pollutant: No</td>
<td></td>
</tr>
<tr>
<td><strong>14.6. Special precautions for user</strong></td>
<td>No further information</td>
<td></td>
</tr>
</tbody>
</table>

### 15. Regulatory information

**Regulatory Overview**
The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

**Toxic Substance Control Act (TSCA)**
All components of this material are either listed or exempt from listing on the TSCA Inventory.

**US EPA Tier II Hazards**
- **Fire:** No
- **Sudden Release of Pressure:** No
- **Reactive:** No
- **Immediate (Acute):** Yes
- **Delayed (Chronic):** No

**EPCRA 311/312 Chemicals and RQs:**
Oxalic Acid Dihydrate (6153-56-6) – Immediate health hazard; Chronic health hazard

**EPCRA 302 Extremely Hazardous:**
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**EPCRA 313 Toxic Chemicals:**
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Carcinogens (≥0.0%):**
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Developmental Toxins (≥0.0%):**
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Female Repro Toxins (≥0.0%):**
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Male Repro Toxins (≥0.0%):**
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**New Jersey RTK Substances (≥1%):**
16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage
H318 Causes serious eye damage
H331 Toxic if inhaled.

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

End of Document