MATERIAL SAFETY DATA SHEET

SPILL-X-A

Product Code: 2031-2-000 ANa

Issue Date: 07-30-2010

1. Product and Company Identification

Material name: SPILL-X-A
Version #: 01
Revision date: 07-30-2010
CAS #: Mixture
Product Code: 2031-2-000 ANa
Product use: Spill control agent

Manufacturer / Importer / Supplier
Name: Tyco Fire Suppression and Building Products
Address: One Stanton Street
Marinette, WI 54143-2542
Phone: 715-735-7411
Internet: http://www.ansul.com
Emergency Phone Number: CHEMTREC 800-424-9300 or 703-527-3887

2. Hazards Identification

Emergency overview
WARNING
Irritating to eyes and skin. Prolonged exposure may cause chronic effects. Exposure to powder or
dusts may be irritating to eyes, nose and throat.

Potential health effects
Routes of exposure
Eye contact. Skin contact. Inhalation. Ingestion.
Eyes
Dust or powder may irritate eye tissue. Avoid contact with eyes.
Skin
Avoid contact with the skin. May cause skin irritation.
Inhalation
Do not breathe dust. Inhalation of dusts may cause respiratory irritation.
Ingestion
Not a likely route of entry. Do not ingest.

Target organs
Eyes. RESPIRATORY SYSTEM. Skin.

Chronic effects
Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

Signs and symptoms
Upper respiratory tract irritation. Irritation of eyes and mucous membranes. Skin irritation.

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>sodium carbonate</td>
<td>497-19-8</td>
<td>7 - 13</td>
</tr>
</tbody>
</table>

Non-hazardous components

<table>
<thead>
<tr>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAGNESIUM OXIDE</td>
<td>1309-48-4</td>
</tr>
</tbody>
</table>

Other components below reportable levels

<table>
<thead>
<tr>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 - 30</td>
</tr>
</tbody>
</table>

4. First Aid Measures

First aid procedures

Eye contact
Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if
present and easy to do. Continue rinsing. Get medical attention if irritation persists after washing.

Skin contact
Wash off with warm water and soap. Get medical attention if irritation develops and persists.

Inhalation
Move to fresh air.

Ingestion
Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting
occurs, keep head low so that stomach content doesn't get into the lungs.
General advice
If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

5. Fire Fighting Measures

Extinguishing media
Suitable extinguishing media
This product is not flammable. Use extinguishing agent suitable for type of surrounding fire.

Protection of firefighters
Specific hazards arising from the chemical
None known.

Protective equipment for firefighters
None known.

Special protective equipment for firefighters
None known.

Explosion data
Sensitivity to mechanical impact
Not available.

Sensitivity to static discharge
Not available.

Hazardous combustion products
Carbon monoxide and carbon dioxide.

6. Accidental Release Measures

Personal precautions
Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid inhalation of dust from the spilled material. Wear a dust mask if dust is generated above exposure limits.

Environmental precautions
Do not contaminate water.

Methods for containment
If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product. Prevent entry into waterways, sewer, basements or confined areas.

Methods for cleaning up
Sweep up or vacuum up spillage and collect in suitable container for disposal. Collect dust using a vacuum cleaner equipped with HEPA filter. Avoid the generation of dusts during clean-up. Clean up in accordance with all applicable regulations. Following product recovery, flush area with water.

Other information
Clean up in accordance with all applicable regulations.

7. Handling and Storage

Handling
Minimize dust generation and accumulation. Provide appropriate exhaust ventilation at places where dust is formed. Do not breathe dust. Avoid contact with eyes. Wash thoroughly after handling. Wear personal protective equipment.

Storage
Store in a well-ventilated place. Guard against dust accumulation of this material. Use care in handling/storage.

8. Exposure Controls / Personal Protection

Occupational exposure limits

<table>
<thead>
<tr>
<th>Material name: SPILL-X-A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada - British Columbia</td>
</tr>
<tr>
<td>Components</td>
</tr>
<tr>
<td>MAGNESIUM OXIDE (1309-48-4)</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

| Canada - Ontario |
| Components | Type | Value | Form |
| MAGNESIUM OXIDE (1309-48-4) | TWA | 10.0000 mg/m3 | Inhalable |
Engineering controls
Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye / face protection
Use tight fitting goggles if dust is generated.

Skin protection
Wear chemical protective equipment that is specifically recommended by the manufacturer. It may provide little or no thermal protection.

Respiratory protection
Wear respirator with dust filter.

9. Physical & Chemical Properties

Appearance
- Form: Powder.
- Color: Red.
- Odor: Odorless.

Physical state: Solid.

pH: Not available.
Melting point: Not available.
Freezing point: Not available.
Boiling point: Not available.
Flash point: Not available.
Evaporation rate: Not available.
Flammability limits in air, upper, % by volume: Not available.
Flammability limits in air, lower, % by volume: Not available.

Vapor pressure: Not available.
Vapor density: Not available.
Specific gravity: Not available.
Relative density: Not available.
Solubility (water): Not available.
Partition coefficient (n-octanol/water): Not available.

Auto-ignition temperature: Not available.
Decomposition temperature: Not available.

10. Chemical Stability & Reactivity Information

Chemical stability: Material is stable under normal conditions.

Incompatible materials: None known.

Hazardous decomposition products: Carbon oxides.

11. Toxicological Information

Toxicological information: The toxicity of this product has not been tested.

Toxicological data

Components: sodium carbonate (497-19-8)

Test Results
- Acute Inhalation LC50 Guinea pig: 0.8 mg/l 2.00 Hours
- Acute Inhalation LC50 Mouse: 1.2 mg/l 2.00 Hours
- Acute Inhalation LC50 Rat: 2.3 mg/l 2.00 Hours
- Acute Oral LD50 Rat: 4090 mg/kg
- Acute Other LD50 Mouse: 116.6 mg/kg 30.00 Days
Acute effects Causes burns.

Local effects Inhalation of dusts may cause respiratory irritation.

Chronic effects Prolonged inhalation may be harmful. Not expected to be hazardous by WHMIS criteria.

12. Ecological Information

Ecotoxicological data

<table>
<thead>
<tr>
<th>Components</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>sodium carbonate (497-19-8)</td>
<td>EC50 Water flea (Ceriodaphnia dubia): 156.6 - 298.9 mg/l 48.00 hours</td>
</tr>
</tbody>
</table>

Ecotoxicity This material is not expected to be harmful to aquatic life.

Environmental effects An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Persistence and degradability Not available.

Partition coefficient (n-octanol/water) Not available

13. Disposal Considerations

Disposal instructions Dispose of contents/container in accordance with local/regional/national/international regulations. Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

Waste from residues / unused products Dispose of in accordance with local regulations.

14. Transport Information

TDG Not regulated as dangerous goods.

15. Regulatory Information

Canadian regulations This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS status Controlled

WHMIS classification D2B - Other Toxic Effects-TOXIC  E - Corrosive

Inventory status

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>No</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>Yes</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>No</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>No</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*A “Yes” indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
### 16. Other Information

**Further information**
HMIS® is a registered trade and service mark of the NPCA.

**HMIS® ratings**
- Health: 1*
- Flammability: 0
- Physical hazard: 0

**NFPA ratings**
- Health: 1
- Flammability: 0
- Instability: 0

**Disclaimer**
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**Issue date**
07-30-2010