1. Product and Company Identification

Material name: CLASS D DRY POWDER
Version #: 02
Revision date: 04-23-2013
CAS #: Mixture
Product Code: 2021-2-001 PYa
Product use: Fire extinguishing agent
Manufacturer / Importer / Supplier
Name: Tyco Fire Protection 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: CAUTION
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: Avoid contact with eyes. May cause temporary eye irritation.
Skin: Avoid contact with the skin.
Inhalation: Inhalation of dusts may cause respiratory irritation.
Ingestion: Not a likely route of entry. Do not ingest.

3. Composition / Information on Ingredients

Composition comments: No ingredients are present at or above the minimum concentration specified on the WHMIS Ingredient Disclosure List.

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
Protective equipment for firefighters
None known.
Special protective equipment for fire-fighters
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

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

Skin protection
No special protective equipment required.

Respiratory protection
Wear respirator with dust filter.

9. Physical & Chemical Properties

Appearance
Form
Powder.
Color
Tan.
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.
<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Vapor pressure</td>
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</tr>
<tr>
<td>Vapor density</td>
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</tr>
<tr>
<td>Specific gravity</td>
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<tr>
<td>Relative density</td>
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<tr>
<td>Solubility (water)</td>
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<tr>
<td>Partition coefficient (n-octanol/water)</td>
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</tr>
<tr>
<td>Auto-ignition temperature</td>
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</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not available.</td>
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</tbody>
</table>

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.

**Local effects**
- Inhalation of dusts may cause respiratory irritation.

**Chronic effects**
- Not expected to be hazardous by WHMIS criteria.

12. Ecological Information

**Ecotoxicity**
- The product is not expected to be toxic to aquatic organisms.

**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**
- Non-controlled

**Inventory status**

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

04-23-2013