

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1. Identification of the preparation

Product Name: "SPILL-X-A Agent"
Chemical Name: N/A – This is a mixture/preparation.
CAS No.: N/A – This is a mixture/preparation.
Chemical Formula: N/A – This is a mixture/preparation.
EINECS Number: N/A – This is a mixture/preparation.

1.2. Use of the preparation

The intended or recommended use of this preparation is as an AID IN CONTROLLING AND CLEANING UP ACID SPILLS.

1.3. Company identification

Manufacturer/Supplier: ANSUL INCORPORATED
Address: One Stanton Street, Marinette, WI 54143-2542
Prepared by: Safety and Health Department
Phone: 715-735-7411
Internet/Home Page: <http://www.ansul.com>
Date of Issue: September, 2009

1.4. Emergency telephone

CHEMTREC 800-424-9300 or 703-527-3887

2. COMPOSITION/INFORMATION ON INGREDIENTS

2.1. Ingredient Name: Magnesium Oxide.
Chemical Formula: MgO.
CAS No.: 1309-48-4.
EINECS Number: 215-171-9.
Concentration, Wt %: 75-80 %.
Hazard Identification: See Heading 3.

Ingredient Name: Magnesium Aluminum Silicate (Attapulgite Clay or Fuller's Earth).
Chemical Formula: $Mg_xAl_y(SiO_4)_z$.
CAS No.: 8031-18-3.
EINECS Number: (b).
Concentration, Wt %: 11-13 %.
Hazard Identification: See Heading 3.

Proprietary Mixture of:

Ingredient Name: Sodium Carbonate.
Chemical Formula: Na_2CO_3 .
CAS No.: 497-19-8.
EINECS Number: 207-838-8.
Concentration, Wt %: <10 %.
Hazard Identification: See Heading 3.

Ingredient Name: Petro AGS.
Chemical Formula: Sodium alkylnaphthalenesulfonate.
CAS No.: Not available.
EINECS Number: (a).
Concentration, Wt %: <1.0 %.
Hazard Identification: See Heading 3.

Ingredient Name: Red Pigment.
Chemical Formula: $(C_{20}H_{14}N_2O_4S)_2Ba$.
CAS No.: 1103-38-4.
EINECS Number: 214-160-6.
Concentration, Wt %: <0.1 %.
Hazard Identification: See Heading 3.

(a) EINECS does not include synthetic polymers (These are registered in EINECS under their building blocks, monomers.).
See: 67/548/EEC, article 13; 79/831/EC; and 81/437/EC.

(b) EINICS does not include most naturally occurring raw materials. See: 67/548/EEC, article 13; 79/831/EC; and 81/437/EC.

NOTE: Unless a component presents a severe hazard, it does not need to be considered in the MSDS if the concentration is less than 1%. [According to Directive 1999/45/EC.]

3. HAZARDS IDENTIFICATION

FOR HUMANS:

Product:

| | | |
|--------------------|----------|---|
| EU Classification: | Xi. | Irritant, |
| R Phrases: | 36/37/38 | Irritating to eyes, respiratory system, and skin. |
| S Phrases: | 2 | Keep out of the reach of children. |
| | 22 | Do not breathe dust. |
| | 26 | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |

Components:

Sodium Carbonate:

| | | |
|--------------------|----|---|
| EU Classification: | Xi | Irritant. |
| R Phrases: | 36 | Irritating to eyes. |
| S Phrases: | 2 | Keep out of the reach of children. |
| | 22 | Do not breathe dust. |
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Magnesium Oxide:

| | | |
|--------------------|----------|---|
| EU Classification: | Xi. | Irritant, |
| R Phrases: | 36/37/38 | Irritating to eyes, respiratory system, and skin. |
| S Phrases: | 26 | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |

Threshold Limit Values:

| | | |
|----------------------|----------------|------------------------|
| Nuisance dust limit: | OSHA TWA: | 15 mg/m ³ . |
| | ACGIH TLV-TWA: | 10 mg/m ³ . |

Magnesium Oxide; Dust limit:

| | |
|-------------|---|
| OES (UK): | 16.5 mg/m ³ . |
| MAC (NL): | 10 mg/m ³ . |
| VME FRANCE: | 6 mg/m ³ , for fraction <5 um. |
| MAK (DE): | 6 mg/m ³ . |

Short term exposure:

| | |
|-----------|--|
| MAK (DE): | 24 mg/m ³ , 4 times for 15 minutes. |
|-----------|--|

Sodium Carbonate; Dust limit:

| | |
|-----------|--------------------------------|
| OES (UK): | 10 mg/m ³ , 8 hour. |
|-----------|--------------------------------|

Neither this preparation nor the substances contained in it have been listed as carcinogenic by National Toxicology Program, I.A.R.C., or OSHA.

AS PART OF GOOD INDUSTRIAL AND PERSONAL HYGIENE AND SAFETY PROCEDURE, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes, and clothing.

SIGNS AND SYMPTOMS:

Acute Exposure:

| | |
|---------------|--|
| Eye Contact: | Irritating to the eyes. Tissue damage can occur if left untreated. |
| Skin Contact: | May be mildly irritating to the skin. |
| Inhalation: | Irritating to nasal and respiratory passages. |
| Ingestion: | May cause gastrointestinal distress and irritation of the mouth and stomach. If untreated, local tissue destruction may occur. |

Chronic Overexposure: Cough or sputum production indistinguishable from that which occurs with cigarette smoking. May produce chronic ulcers of skin or mucosa.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Reactive airway.

FOR ENVIRONMENT:

No data available.

4. FIRST AID MEASURES

Eye Contact: Flush with large amounts of water for minimum of 15 minutes while holding lids open. Get medical attention.

Skin Contact: Wash with soap and water. Remove contaminated clothing. If irritation persists, get medical attention.

Inhalation: Remove victim to fresh air. Seek medical attention if discomfort continues.

Ingestion: If patient is conscious, give large amounts of water to drink. DO NOT INDUCE VOMITING. Seek medical attention.

5. FIRE-FIGHTING MEASURES

This preparation is not flammable.

There are NO extinguishing media which must not be used for safety reasons.

NO special protective equipment is needed for fire-fighters.

6. ACCIDENTAL RELEASE MEASURES

For personal protection: Prevent skin and eye contact, see Heading 8.

Clean up: Sweep up and recover for reuse if not contaminated, otherwise store in a closed vessel until it can be disposed of, see Heading 13.

NO harm to the environment is expected from an accidental release of this preparation.

7. HANDLING AND STORAGE

7.1. Handling

Do not mix with other Spill Control Agents.

Care should be taken in handling all chemical substances and preparations.

See incompatibility information in HEADING 10.

7.2. Storage

NO special conditions are needed for safe storage.

Store in original container or SPILL-GUN applicator. Keep tightly closed until used.

See incompatibility information in HEADING 10.

There is minimal danger to the environment from a storage release.

7.3. Specific use

The intended or recommended use of this preparation is as an AID IN CONTROLLING AND CLEANING UP ACID SPILLS.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Exposure limit values

Threshold Limit Values:

| | | |
|----------------------|----------------|------------------------|
| Nuisance dust limit: | OSHA TWA: | 15 mg/m ³ . |
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Magnesium Oxide; Dust limit:

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| OES (UK): | 16.5 mg/m ³ . |
| MAC (NL): | 10 mg/m ³ . |
| VME FRANCE: | 6 mg/m ³ , for fraction <5 µm. |
| MAK (DE): | 6 mg/m ³ . |

Short term exposure:

| | |
|-----------|--|
| MAK (DE): | 24 mg/m ³ , 4 times for 15 minutes. |
|-----------|--|

Sodium Carbonate; Dust limit:

| | |
|-----------|--------------------------------|
| OES (UK): | 10 mg/m ³ , 8 hour. |
|-----------|--------------------------------|

8.2. Exposure controls**8.2.1. Occupational exposure controls****8.2.1.1. Respiratory protection**

Mechanical ventilation is recommended. Dust mask where dustiness is prevalent, or TLV is exceeded.
Use mechanical filter respirator if exposure is prolonged.

8.2.1.2. Hand protection

Use chemical resistant gloves when handling the preparation.

8.2.1.3. Eye protection

Chemical goggles are recommended.

8.2.1.4. Skin protection

Use long sleeved work clothes.

8.2.2. Environmental exposure controls

Keep from entering surface water. For harm to the environment see Heading 12.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. General information

Appearance: Red powder.
Odor: None.

9.2. Important health, safety, and environmental information

pH: Not determined.
Boiling point/boiling range: Not applicable.
Flash point: None.
Flammability (solid/gas): Not flammable.
Explosive properties: Not explosive.
Oxidizing properties: Not an oxidizer.
Vapor Pressure: Not applicable.
Relative Density (Water = 1): Not applicable.
Solubility:
 – Water solubility: Slightly less than 9 %.
 – Fat solubility: Not soluble.
Partition coefficient, n-octanol/water: Not determined.
Viscosity: Not applicable.
Vapor density (Air = 1): Not applicable.
Evaporation rate: Not applicable.

9.3. Other information

Auto-ignition temperature: Does not ignite.

10. STABILITY AND REACTIVITY

10.1. Conditions to avoid

There are NO known conditions such as temperature, pressure, light, shock, etc., which may cause a dangerous reaction.

10.2. Materials to avoid

Interhalogens, phosphorous pentachloride, chlorine trifluoride.

10.3. Hazardous decomposition products

Normally stable.
Hazardous polymerization will NOT occur.
Combustion or decomposition products have not been determined.

11. TOXICOLOGICAL INFORMATION

Product:

This product has not been tested for toxicological effects.

Components:

Magnesium Oxide:

| | | |
|------------------|--------------------|----------------------|
| Toxicity Data: | No data was found. | |
| Irritation Data: | Skin (human) | Slightly irritating. |
| | Eye (human) | Slightly irritating. |

Sodium Carbonate:

| | | | |
|------------------|-----------------------------------|-------------------------------|---------|
| Irritation Data: | Skin (rabbit) | 500 mg/24 hours | Mild. |
| | Eye (rabbit) | 50 mg. | Severe. |
| Toxicity Data: | Oral (rat) LD ₅₀ | 4090 mg/kg. | |
| | Inhalation (rat) LC ₅₀ | 2300 mg/m ³ /2 hrs | |
| Target Organs: | Gastrointestinal. | | |

Magnesium Aluminum Silicate (Attapulgite Clay or Fuller's Earth):

Irritating to eyes, skin, mucous membranes.
Target Organs: Lungs.

12. ECOLOGICAL INFORMATION

12.1. Ecotoxicity

Magnesium Oxide:

No data was found.

Sodium Carbonate:

Acute Toxicity:

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|----------------|----------------------|---------------------------|
| Fish: | Gambusia affinis: | LC50 (96 hrs) = 740 mg/L. |
| | Lapomis macrochirus: | LC50 (96 hrs) = 300 mg/L. |
| Invertebrates: | Daphnia magna: | LC50 (24 hrs) = 196 mg/L. |
| | Dugesia sp. | LC50 (48 hrs) = 360 mg/L. |
| Algae: | Nitzschia sp. | LC50 (5 day) = 1050 mg/L. |

Chronic Toxicity:

| | | |
|-------|------------------|-----------------------------|
| Fish: | Oncorhynchus sp. | LC100 (5 day) = 68-70 mg/L. |
| | Salmo clarki | LC100 (5 day) = 80 mg/L. |

12.2. Mobility

Not determined.

12.3. Persistence and degradability

Not determined.

12.4. Bioaccumulative potential

Not determined.

12.5. Other adverse effects

| | |
|---|--|
| Ozone depletion potential: | None. |
| Photochemical ozone creation potential: | None |
| Global warming potential: | Carbon dioxide, from decomposition or reaction of the sodium carbonate, is a global warming gas. |

13. DISPOSAL CONSIDERATIONS

No harm to the environment is expected from this preparation. See Heading 12.

Dispose of in compliance with national, regional, and local provisions that may be in force.

14. TRANSPORT INFORMATION

Hazard Class or Division: Not a hazardous substance

For additional transport information, contact Ansul Incorporated.

No harm to the environment is expected from this preparation.

15. REGULATORY INFORMATION

Product:

| | | |
|--------------------|----------|---|
| EU Classification: | Xi. | Irritant, |
| R Phrases: | 36/37/38 | Irritating to eyes, respiratory system, and skin. |
| S Phrases: | 2 | Keep out of the reach of children. |
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Threshold Limit Values:

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Magnesium Oxide; Dust limit:

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| MAK (DE): | 6 mg/m ³ . |

Short term exposure:

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| MAK (DE): | 24 mg/m ³ , 4 times for 15 minutes. |
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Sodium Carbonate; Dust limit:

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| OES (UK): | 10 mg/m ³ , 8 hour. |
|-----------|--------------------------------|

EINECS Status: All components are included in EINECS inventories or are exempt from listing.

EPA TSCA Status: All components are included in TSCA inventories or are exempt from listing.

Canadian DSL (Domestic Substances List): All components are included in the DSL or are exempt from listing.

Environmental restrictions: None are known.

Restrictions on Marketing and Use: None are known.

Refer to any other national measures that may be relevant.

16. OTHER INFORMATION

(HMIS) HAZARDOUS MATERIAL IDENTIFICATION SYSTEM RATINGS:

| | | |
|---------------|----------|--------------------|
| HEALTH: | <u>1</u> | 4. Severe Hazard |
| FLAMMABILITY: | <u>0</u> | 3. Serious Hazard |
| REACTIVITY: | <u>0</u> | 2. Moderate Hazard |
| | | 1. Slight Hazard |
| | | 0. Minimal Hazard |

(WHMIS) CANADIAN WORKPLACE HAZARDOUS MATERIAL IDENTIFICATION SYSTEM RATINGS:

This product is rated: **D2B – Irritating to eyes and skin.**

Format is from directive 2001/58/EC.

EINECS data is from <http://exb.jrc.it/existing-chemicals/>

Data used to compile the data sheet is from Ansul Material Safety Data Sheet, May, 2000.

The EU Classification has been changed in accordance with Directive 1999/45/EC and information in the EINECS ESIS files (Existing Substances Information System).

Toxicological information added from the EINECS ESIS (Existing Substances Information System).

A rating under WHMIS has been added, following the Canadian guidelines.

17. DISCLAIMER

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT, BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. ANSUL SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT.

MSDS available at <http://www.ansul.com>