

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

1.1. Identification of the preparation

Product Name: "SPILL-X-5 Agent"
Chemical Name: Carbon, Activated
CAS No.: 7440-44-0
Chemical Formula: C
EINECS Number: 231-153-3

17-200-3
17-987-144A

1.2. Use of the preparation

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

1.3. Company Identification

Manufacturer/Supplier: ANSUL INCORPORATED
Address: One Stanton Street, Marshfield, WI 54143-2542
Prepared by: Safety and Health Department
Phone: 715-735-7411
Internet/Home Page: <http://www.ansul.com>
Date of Issue: September, 2003
Emergency telephone
CHEMTREC 800-424-9300 or 703-527-3887

2. COMPOSITION/INFORMATION ON INGREDIENTS

2.1. Ingredient Name: Carbon, Activated.

Chemical Formula: C
CAS No.: 7440-44-0
EINECS Number: 231-153-3
Concentration, wt %: 100 %

Hazard Identification: See Heading 3.

2.2. (i) There are NO substances presenting a health or environmental hazard within the meaning of Directive 67/548/EEC, in concentrations equal to or greater than those laid down in the table set out in Article 3(3) of Directive 1999/45/EC, nor with lower limits given in Annex I to Directive 67/548/EEC or in Annexes II, III or V to Directive 1999/45/EC.

(ii) There are NO substances for which there are Community workplace exposure limits, which are not already included in (i) above.

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: Not hazardous.
EU Classification:
Threshold Limit Values:
Carbon, activated

OSHA PEL, TWA 15 mg/m³, total dust
OSHA PEL, TWA 5 mg/m³, respirable fraction,
MAK (DE) 6 mg/m³, (a)
MAC (NL) 2 mg/m³, (a)

(a) The value given is applicable to inconvenient dust.

Neither this preparation nor the substances contained in it have been listed as carcinogenic by National Toxicology Program, IARC, 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: Physical nature of the product (particulate solid) may cause irritation.
Skin Contact: Non-toxic and not a primary skin irritant. Skin irritation index (rabbit) is 0.
Inhalation: Non-toxic and not expected to be a problem.
Ingestion: Non-toxic through ingestion.
Chronic Overexposure: Not determined.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known.

FOR ENVIRONMENT:
Not expected to be a problem.

4. FIRST AID MEASURES

Eye Contact: Wash with water for a minimum of 15 minutes. If irritation persists seek medical attention.
Skin Contact: Wash affected area with soap and water. If irritation persists seek medical attention.
Inhalation: Remove from exposure. If irritation persists seek medical attention.
Ingestion: No treatment indicated.

5. FIRE-FIGHTING MEASURES

There are NO extinguishing media which must not be used for safety reasons.
NO special protective equipment is needed for fire-fighters. Wear protective equipment appropriate for the fire conditions.

6. ACCIDENTAL RELEASE MEASURES

For personal protection: Prevent skin and eye contact, see Heading 8.
Clean up: Sweep up, and recover if not contaminated. If contaminated store in a closed vessel until disposed. See Heading 13.
NO harm to the environment is expected from an accidental release of this preparation.

7. HANDLING AND STORAGE

7.1. Handling

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.
See incompatibility information in Heading 10.
Store in original container or SPILL-GUN applicator. Keep tightly closed until used.
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 SPILLS.

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11-304

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SPILL-X-S (Continued)

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8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1. Exposure limit values

Threshold Limit Values:

Carbon, activated:	OSHA PEL, TWA	15 mg/m ³ , total dust
	OSHA PEL, TWA	5 mg/m ³ , respirable fraction.
	MAK (DE)	6 mg/m ³ (a)
	MAC (NL)	2 mg/m ³ (a)

(a) The value given is applicable to inconvenient dust.

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.

8.2.1.2. Hand protection

Use mechanical filter respirator if exposure is prolonged.

8.2.1.3. Eye protection

Use chemical resistant gloves when handling the preparation.

8.2.1.4. Skin protection

Use long sleeved work clothes.

Mechanical ventilation is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. General information

Appearance: Black particulate solid.

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): 0.48.

Solubility: - Water solubility: Not soluble.

- Fat solubility: Not applicable.

Partition coefficient, n-octanol/water: Not applicable.

Viscosity: Not applicable.

Vapor density (Air = 1): Not applicable.

Evaporation rate: Not applicable.

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

Strong oxidizers such as ozone, liquid oxygen, chlorine, and permanganate.

10.3. Hazardous decomposition products

Hazardous polymerization will NOT occur.

Normally stable.

Hazardous polymerization will NOT occur.

Carbon monoxide and carbon dioxide may be generated in a fire.

SPILL-X-S (Continued)

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11. TOXICOLOGICAL INFORMATION

Toxicity Data:

Oral LD ₅₀ (rat)	> 10 g/kg.
Inhalation LC ₅₀ (rat)	> 94.4 mg/L.
Skin:	Not a primary skin irritant.
Eye:	Not irritating.

12. ECOLOGICAL INFORMATION

12.1. Ecotoxicity

Not determined.

12.2. Mobility

Not determined.

12.3. Persistence and degradability

BOD₅: About 2 mgO₂/L.

12.4. Bioaccumulative potential

Not determined.

12.5. Other adverse effects

Ozone depletion potential: None.

Photochemical ozone creation potential: None.

13. DISPOSAL CONSIDERATIONS

No harm to the environment is expected from this preparation.

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 Arai Incorporated.

No harm to the environment is expected from this preparation.

15. REGULATORY INFORMATION

EU Classification: Not hazardous

Threshold Limit Values:

Carbon, activated:	OSHA PEL, TWA	15 mg/m ³ , total dust
	OSHA PEL, TWA	5 mg/m ³ , respirable fraction.
	MAK (DE)	6 mg/m ³ (a)
	MAC (NL)	2 mg/m ³ (a)

(a) The value given is applicable to inconvenient dust.

ENECs Status: All components are included in ENECs 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.

(b) EINECS does not include most naturally occurring raw materials. See: 67/548/EEC, article 13; 79/371/EC; and 81/473/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 1989/45/EC.]

3. HAZARDS IDENTIFICATION

FOR HUMANS:

Product: XI
EU Classification: 36/37/38
R Phrases: 2
S Phrases: 22, 26

Irritant.
Irritating to eyes, respiratory system, and skin.
Keep out of the reach of children.
Do not breathe dust.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Components:

Sodium Carbonate: XI
EU Classification: 36
R Phrases: 2
S Phrases: 22, 26

Irritant.
Irritating to eyes.
Keep out of the reach of children.
Do not breathe dust.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Magnesium Oxide:

EU Classification: XI
R Phrases: 36/37/38
S Phrases: 26

Irritant.
Irritating to eyes, respiratory system, and skin.
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/m³
ACGIH TLV-TWA: 10 mg/m³

Magnesium Oxide: Dust limit:

OES (UK): 16.5 mg/m³
MAC (NL): 10 mg/m³
VME FRANCE: 6 mg/m³ for fraction <5 µm.
MAK (DE): 6 mg/m³

Short term exposure:

MAK (DE): 24 mg/m³, 4 times for 15 minutes.

Sodium Carbonate: Dust limit:

OES (UK): 10 mg/m³, 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 disorientation 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/m³
ACGIH TLV-TWA: 10 mg/m³

Magnesium Oxide: Dust limit:

OES (UK): 16.5 mg/m³
MAC (NL): 10 mg/m³
VME FRANCE: 6 mg/m³ for fraction <5 µm.
MAK (DE): 6 mg/m³

Short term exposure:

MAK (DE): 24 mg/m³, 4 times for 15 minutes.

Sodium Carbonate: Dust limit:

OES (UK): 10 mg/m³, 8 hour.

16. OTHER INFORMATION

(HMIS) HAZARDOUS MATERIAL IDENTIFICATION SYSTEM RATINGS:			
HEALTH:	0	4. Severe Hazard	
FLAMMABILITY:	0	3. Serious Hazard	
REACTIVITY:	0	2. Moderate Hazard	
		1. Slight Hazard	
		0. Minimal Hazard	

(WHMIS) CANADIAN WORKPLACE HAZARDOUS MATERIAL IDENTIFICATION SYSTEM RATINGS:

This product is rated: Not rated hazardous.

Format is from directive 2001/58/EC.

EINECS data is from <http://eab.jrc.it/lexing-chemicals/>

Data used to compile the data sheet is from Ansol Material Safety Data Sheet, February 2002.

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.

N/A = Not Applicable

N/A = No Data Available

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

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ANSUL INCORPORATED, ONE STANTON STREET, MANNETTE, WI 54143-2542

715-735-7411

Form No. SC-885-10

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ANSULANSUL INCORPORATED
MANNETTE, WI 54143-2542SPILL-X-S[®] MATERIAL SAFETY DATA SHEET
CONFORMS TO DIRECTIVE 2001/58/EC

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

1.1. Identification of the preparation

Product Name: "SPILL-X-S 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, Mannette, WI 54143-2542
 Prepared by: Safety and Health Department
 Phone: 715-735-7411
 Internet/Home Page: <http://www.ansul.com>
 Date of Issue: October, 2003

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.: 1308-48-4,
 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: Mg₃Al₂(SiO₄)₂,
 CAS No.: 8031-18-3,
 EINECS Number: 101-11-13,
 Concentration, Wt %: 11-13 %,
 Hazard Identification: See Heading 3.

Proprietary Mixture of:

Ingredient Name: Sodium Carbonate,
 Chemical Formula: Na₂CO₃,
 CAS No.: 497-19-8,
 EINECS Number: 207-839-8,
 Concentration, Wt %: <10 %.

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

Hazard Identification: See Heading 3.
 Ingredient Name: Red Pigment,
 Chemical Formula: (C₂H₄N₂O₅)₂Fe₂,
 CAS No.: 1103-38-4,
 EINECS Number: 214-180-6,
 Concentration, Wt %: 50.1 %.

Hazard Identification: See Heading 3.

(a) EINECS does not include synthetic polymers (These are registered in EINECS under their building blocks, monomers.)
 See 61/548/EEC, article 13; 79/831/EEC; and 81/437/EEC.

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. Material to avoid

Inerting agents, phosphorus 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:

Irritation Data:

Sodium Carbonate:

Irritation Data:

Toxicity Data:

Target Organs:

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

Irritating to eyes, skin, mucous membranes.

Target Organs:

Lungs.

No data was found.

Skin (human)

Eye (human)

Eye (rabbit)

Oral (rat) LD₅₀

Inhalation (rat) LC₅₀

Gastrointestinal:

Target Organs:

Magnesium Aluminum Silicate (Allspicilite 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:

Fish:

Invertebrates:

Algae:

Chronic Toxicity:

Fish:

Oncomyrmex sp.

Salmo clarki

LC50 (96 hrs) = 740 mg/L

LC50 (96 hrs) = 300 mg/L

LC50 (24 hrs) = 196 mg/L

LC50 (48 hrs) = 360 mg/L

LC50 (5 day) = 1050 mg/L

LC100 (5 day) = 88-70 mg/L

LC100 (5 day) = 80 mg/L

LC100 (5 day) = 80 mg/L

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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 Amsul Incorporated.

No harm to the environment is expected from this preparation.

15. REGULATORY INFORMATION

Product:	X1	Irritant
EU Classification:	368/738	Irritating to eyes, respiratory system, and skin.
R Phrases:	2	Keep out of the reach of children.
S Phrases:	22	Do not breathe dust.
	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:		
	OS (UK):	16.5 mg/m ³
	MAC (NL):	0 mg/m ³
	VAME 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:	OS (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:	1	4. Severe Hazard
FLAMMABILITY:	0	3. Serious Hazard
REACTIVITY:	0	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.

Formal is from directive 2001/58/EC.
EINECS data is from <http://eur-lex.europa.eu/lexicon-chemical/>.
Data used to compile the data sheet is from Ansol Material Safety Data Sheet, May, 2000.
The EU Classification has been changed in accordance with Directive 1993/61/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>

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