

#NS50670

Product Data Sheet**Item Number:** GEN527**Item Name:** Spill-X® Spill Treatment Kit - Multi-purpose spill kit

Options Available											
Item #	Size	Color	Misc. Features	Amount	Length	Width	Height	Depth	Int. Dia.	Ext. Dia.	Weight
GEN527	—	—	—	6 each/box	—	—	—	—	—	—	12lbs. (5.4kg)

Color: Various**# Per Pallet:** 189**Description**

Two 2.5 lb. containers of Spill-X® Acid Neutralizer, two 2 lb. containers of Spill-X® Caustic Neutralizer and two 1 lb. containers of Spill-X® Solvent Neutralizer for spill response or for refilling the Portable Chemical Spill Treatment Kit(GEN522).

Application

Product can be used in labs, storerooms and throughout industry wherever the possibility of a small acid, caustic, or solvent spill exists. Product is applied directly to the spill until the spill is neutralized and/or adsorbed.

Product Features

- Packed with spill control agents that neutralize a wide range of hazardous chemicals and solvents
- Agents packed in easy-to-use shaker bottles
- Ideal as refill for Spill-X® Portable Spill Treatment Kits

Composition

- Propylene glycol

New Pig • One Pork Avenue • Tipton, PA 16684-0304 • www.newpig.com
 Phone 1-800-HOT-HOGS(468-4647) • Fax 1-800-621-7447 • E-mail hothogs@newpig.com



PDS generated: Jun 2, 2005

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, 2004

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(SiO₄)_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: Na₂CO₃.
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: (C₂₀H₁₄N₂O₄S)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.
	26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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.
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Sodium Carbonate; Dust limit:

OES (UK):	10 mg/m ³ , 8 hour.
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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 .
	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.
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Sodium Carbonate; Dust limit:

OES (UK):	10 mg/m ³ , 8 hour.
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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:**

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.
	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:

OES (UK):	16.5 mg/m ³ .
MAC (NL):	0 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.
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Sodium Carbonate; Dust limit:

OES (UK):	10 mg/m ³ , 8 hour.
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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>

ANSUL and SPILL-X-A are trademarks of Ansul Incorporated or its affiliates.

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**1.1. Identification of the preparation**

Product Name: **SPILL-X-C 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 CAUSTIC 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: October, 2003

1.4. Emergency telephone

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

2. COMPOSITION/INFORMATION ON INGREDIENTS

- 2.1. Ingredient Name:** Citric Acid.
Chemical Formula: $C_6H_8O_7$.
CAS No.: 77-92-9.
EINECS Number: 201-069-1.
Concentration, Wt %: 55-65 %.
Hazard Identification: See Heading 3.
- Ingredient Name:** Fumaric Acid.
Chemical Formula: $C_4H_4O_4$.
CAS No.: 110-17-8.
EINECS Number: 203-743-0.
Concentration, Wt %: 15-20 %.
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 %: 15-20 %.
Hazard Identification: See Heading 3.
- Ingredient Name:** J550 Water Lock Polymer.
Chemical Formula: Acrylate polymer.
CAS No.: Not available.
EINECS Number: (a).
Concentration, Wt %: 2-4 %.
Hazard Identification: See Heading 3.
- Ingredient Name:** Petro AGS.
Chemical Formula: Sodium alkyl naphthalenesulfonate.
CAS No.: Not available.
EINECS Number: (a).
Concentration, Wt %: <1 %.
Hazard Identification: See Heading 3.

(a) EINICS does not include synthetic polymers (these are registered in EINICS 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	Irritating to eyes.
S Phrases:	2	Keep out of the reach of children.
	26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Components:

Citric Acid:

EU Classification:	Xi	Irritant.
R Phrases:	36	Irritating to eyes.
S Phrases:	2	Keep out of the reach of children.
	26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Fumaric Acid:

EU Classification:	Xi	Irritant.
R Phrases:	36	Irritating to eyes.
S Phrases:	2	Keep out of the reach of children.
	26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

J550 Water Lock Polymer:

EU Classification:	Xi	Irritant.
R Phrases:	36	Irritating to eyes.
S Phrases:	2	Keep out of the reach of children.
	26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Limit Values for Exposure:

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

Fumaric Acid: Dust limit:	MAK (DE):	6 mg/m ³ .
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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.
Skin Contact:	May cause irritation.
Inhalation:	Irritating to nasal and respiratory passages.
Ingestion:	May cause gastrointestinal irritation.

Chronic Overexposure: Prolonged and continuous exposure to dust may result in cough and sputum production indistinguishable from that which occurs with cigarette smoking.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Reactive airway.

FOR ENVIRONMENT:

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

4. FIRST AID MEASURES

Eye Contact:	Flush with large amounts of water for minimum of 15 minutes while holding lids open. Seek medical attention.
Skin Contact:	Wash exposed areas with soap and water. Remove contaminated clothing and launder before re-use. If irritation persists, seek medical attention.
Inhalation:	Remove from exposure. If irritation persists, seek medical attention.
Ingestion:	If individual is conscious, give large amounts of water and induce vomiting. Immediately seek medical attention.

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.

6. ACCIDENTAL RELEASE MEASURES

For personal protection: Prevent skin and eye contact, see Heading 8.
Clean up: Sweep up, the product can be recovered if it is not contaminated. If it is contaminated, place in closed containers for disposal. See Heading 13.
Keep from entering surface water. For harm to the environment see Heading 12.

7. HANDLING AND STORAGE

7.1. Handling

Care should be taken in handling all chemical substances and preparations.
Do not mix with other Spill Control Agents.
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.
Keep from entering surface water. For harm to the environment see Heading 12.

7.3. Specific use

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Exposure limit values

Limit Values for Exposure:

Nuisance dust limit:	OSHA TWA:	15 mg/m ³ .
	ACGIH TLV-TWA:	10 mg/m ³ .
Fumaric Acid: Dust limit:		
	MAK (DE):	6 mg/m ³ .

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. 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: White to tan powder.
Odor: None.

9.2. Important health, safety, and environmental information

pH: Not determined.
Boiling point/boiling range: Not applicable.
Flash point: None to boiling.
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: Less than 75 %.
- 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

Avoid strong bases, particularly in closed systems.

10.3. Hazardous decomposition products

Normally stable.

Hazardous polymerization will NOT occur.

Combustion or decomposition products include Carbon monoxide and carbon dioxide in fire conditions..

11. TOXICOLOGICAL INFORMATION

Product:

This product has not been tested for toxicological effects.

Components:

Citric Acid:

Irritation Data:	Skin (rabbit)	500 mg/24 hrs	Mild
	Eye (rabbit)	750 ug/24 hrs	Severe
Toxicity Data:	Oral (rat) LD ₅₀	3 g/kg.	
	Oral (rat) LD ₅₀	12 g/kg. [EINICS]	
	Oral (mouse) LD ₅₀	5040 mg/kg.	

Ames Test: Negative. [EINICS]

Reproduction: At 600 mg/kg/day, no effects were detected. [EINICS]

Developmental/Teratogenicity: At >241 mg/kg/day, no adverse effects were noted. [EINICS]

Target Organs: Lungs and gastrointestinal.

Fumaric Acid:

Irritation Data:	Skin (rabbit)	500 mg/24 hrs	Mild
	Eye (rabbit)	100 mg/24 hrs	Moderate.

Toxicity Data:	Oral (rat) LD ₅₀	9300 mg/kg.	
	Oral (rat) LD ₅₀	10000 mg/kg. [EINICS]	
	Dermal (rabbit) LD ₅₀	>20000 mg/kg. [EINICS]	

Ames Test: Negative. [EINICS]

Reproduction: At 400 mg/kg/day, no effects were detected. [EINICS] effects were noted. [EINICS]

Target Organs: Gastrointestinal, liver, blood.

J550 Water Lock Polymer:

Toxicity Data: Oral (rat) LD₅₀ 11,000 mg/kg.
Manufacturer warns about eye, nasal, and bronchial irritation.

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

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

12. ECOLOGICAL INFORMATION

12.1. Ecotoxicity**Citric Acid:****Acute Toxicity:**

Fish:	Leuciscus idus:	LC50 (96 hrs) = >440-760 mg/L.
	Lapomis macrochirus:	LC50 (96 hrs) = 1516 mg/L.
Invertebrates:	Daphnia magna:	EC50 (72 hrs) = about 120 mg/L.
Algae:	Scenedemus quadricauda:	EC3 (7 day) = 640 mg/L.

12.2. Mobility

Not determined.

12.3. Persistence and degradability**Citric acid:**

Biodegradation in sewage was 84 % in 24 hours.

BOD5: 526 mgO₂/L.

COD: 728 mg/g substance.

Fumaric acid:

Photodegradation: 50 % after 6.5 days.

Biodegradation in sewage was 98 % in 21 days.

BOD5: 0.57 mgO₂/L.

12.4. Bioaccumulative potential

Not determined.

12.5. Other adverse effects

Ozone depletion potential: None.

Photochemical ozone creation potential: None

Global warming potential: None

13. DISPOSAL CONSIDERATIONS

Keep from entering surface water. For harm to the environment, 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.

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

15. REGULATORY INFORMATION

Product:

EU Classification:	Xi	Irritant.
R Phrases:	36	Irritating to eyes.
S Phrases:	2	Keep out of the reach of children.
	26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Limit Values for Exposure:

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

Fumaric Acid: Dust limit:	
	MAK (DE): 6 mg/m ³ .

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.**

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, June, 2000.

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

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

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

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

715-735-7411

Form No. SC-86139-12

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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: Carbon, Activated
CAS No.: 7440-44-0
Chemical Formula: C
EINECS Number: 231-153-3

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, 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, 2003

1.4. 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:**

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.

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:	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.

8. EXPOSURE CONTROLS/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.

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

Mechanical ventilation is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. General information

Appearance: Black particulate solid.

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): 0.48.

Solubility:

- Water solubility: Not soluble.

- Fat solubility: Not soluble.

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

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

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

10.3. Hazardous decomposition products

Normally stable.

Hazardous polymerization will NOT occur.

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

11. TOXICOLOGICAL INFORMATION

Toxicity Data:	Oral LD ₅₀ (rat)	>10 g/kg.
	Inhalation LC ₅₀ (rat)	> 64.4 mg/L.
Irritation Data:	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.
 COD: 2,000 mg/g substance.

12.4. Bioaccumulative potential

Not determined.

12.5. Other adverse effects

Ozone depletion potential: None.
 Photochemical ozone creation potential: None
 Global warming 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 Ansul 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.
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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>0</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: **Not rated hazardous.**

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, February, 2002.

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

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

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N/A = Not Applicable

NDA = No Data Available

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