

Material Safety Data Sheet

3/23/04

Product and Manufacturer Identification

Product name: Coffee Break Professional Spot Cleaner
Product Use: Coffee Stain
Manufacturer: Von Schrader Company
 1600 Junction Avenue
 Racine, WI 53403

Composition/ Information On Ingredients

Ingredient Name	CAS Number	Weight %
Sodium metabisulfite	7681-57-4	60-100
Sodium dodecylbenzene sulfonate	25155-30-0	1-3

Hazard Identification

Emergency Overview: Routes of entry are inhalation, skin and eye contact of powder or solution. May cause severe and possibly fatal allergic reactions if inhaled or swallowed by some asthmatics and other "sulfite sensitive" individuals.

Potential Health Hazards:

SKIN: Repeated or prolonged contact with dust may cause irritation. Contact with solutions will cause irritation.
EYES: Dust or mist may irritate or burn the eyes. Solutions will irritate or burn.
INHALATION: Contact with acids, water and/ or ice, releases sulfur dioxide gas, which may be harmful, or deadly if inhaled. May cause severe or deadly allergic reactions in some asthmatics and sulfite sensitive individuals. Inhalation of dust or mist can irritate the respiratory tract. Possible signs of allergic reactions include broncho constriction, sweating, flushing, hives, rapid heart rate, decreased blood pressure and even death.
INGESTION: May irritate the gastrointestinal tract. May cause severe or deadly allergic reactions in some asthmatics and sulfite sensitive individuals. Very large doses may cause violent colic, diarrhea, depression and even death.

First Aid Measures

SKIN: Rinse with plenty of running water. Get medical attention if irritation persists
EYES: Rinse with running water for at least 15 minutes. Get medical attention.
INHALATION: Remove to fresh air. Get medical attention if signs of suffocation, irritation or other symptoms develop.
INGESTION: If conscious, drink plenty of water or milk and induce vomiting by touching finger to the back of the throat. Get medical attention. Never give anything by mouth to an unconscious person.

Fire Fighting Measure

Flammable Properties:

FLASH POINT: Not flammable
FLASH POINT METHOD: Not Applicable
AUTOIGNITION TEMPERATURE: Not Applicable
UPPER FLAME LIMIT: Not Applicable
LOWER FLAME LIMIT: Not Applicable

Extinguishing Media:

Use extinguishing media appropriate for material in surrounding fire.

Unusual Fire And Explosion Hazards:

Releases toxic and irritating sulfur dioxide at fire temperatures.

Special Fire Fighting Procedures:

Wear NIOSH-approved self-contained breathing apparatus.

Accidental Release Measures

Spill And Leak Procedures:

(See Exposure Controls section for recommended personal protection equipment.) Sweep up material with minimum dusting and shovel into an empty container with a cover. Cautiously spray residue with plenty of water. Provide ventilation to clear sulfur dioxide fumes which may be generated by contact with water.

Handling And Storage

Handling Procedures:

Avoid contact with eyes and skin. Do not breathe dust. Keep away from water, ice, acids, heat and oxidizing agents.

Storage Procedures:

KEEP OUT OF THE REACH OF CHILDREN. Store in a cool, dry, well-ventilated area away from water, ice, acids, heat and oxidizing agents. Releases sulfur dioxide gas slowly at ambient temperatures.

Exposure Controls/ Personal Protection

Exposure Guidelines

Ingredient name

	ACGIH TLV	OSHA PEL	OSHA TWA
Sodium bisulfite	5-mg/ m ³		
Sulfur dioxide	2 ppm		5 ppm

Exposure Controls/ Personal Protection, cont.

Engineering Controls: Local exhaust if dusty conditions exist or if there is a release of sulfur dioxide. Do not use in unventilated spaces.

Personal Protective Equipment:

Skin Protection: For handling dry material, wear cotton gloves and full work clothing, including long sleeved shirt and trousers. When handling solutions and there is prolonged or repeated contact, wear impervious gloves, clothing and boots.

Eye Protection: Wear chemical safety goggles. Do not wear contacts.

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Respiratory

Protection: Where required, use a NIOSH-approved respirator for dust, mist and/ or sulfur dioxide gas as conditions indicate. Some exposures may require a NIOSH-approved self-contained breathing apparatus or supplied air respirator.

Additional

Recommendations: No special recommendations under normal use conditions.

Physical And Chemical Properties

Appearance: Fine, white granular solid
Odor: Pungent sulfur dioxide odor
pH: 1% solution-4.3
Specific Gravity: 1.48
Water Solubility: Complete
% Volatiles: Not applicable
Vapor Pressure: Not applicable
Vapor Density: Not applicable
Evaporation Rate: Not applicable

Stability And Reactivity

Chemical Stability: Normally stable. Temperatures above 150°C cause rapid evolution of toxic and corrosive sulfur dioxide gas.

Incompatibility:

Oxidizers: may cause strong exothermic reactions. Acids water and ice: releases sulfur dioxide gas, which is toxic, corrosive, and potentially deadly
Water and/ or ice speeds the production of sulfur dioxide gas.

Hazardous Decomposition:

Sulfur dioxide and sodium sulfide residue. Sodium sulfide is flammable, a dangerous fire risk, a strong irritant to skin and tissue, and is incompatible with acids.

Hazardous Polymerization:

Will not occur

Toxicological Information

Immediate (Acute) Effects:

Product is an eye irritant.
Sodium metabisulfite-LD₅₀(oral, rat)= 424 mg/ kg
Sodium bisulfite- LD₅₀(oral, mouse)= 820 mg/ kg

Delayed (Sub chronic And Chronic) Effects:

None known.

Ecological Information

Ecotoxicological Information: Insufficient data.

Environmental Fate: This product is mostly inorganic and not subject to biodegradation.

Disposal Considerations

This material is not a hazardous waste defined by the U.S. Resource, Conservation and Recovery Act (RCRA), 40 CFR 261; however, only dispose of in accordance with applicable Federal, State and Local regulations.

Transportation Information

DOT and TDG Classification:

Proper Shipping Name: ORM-D (Consumer Commodity)

Regulatory Information

Inventory Status

USA (TSCA) Listed
Canada (DSL) Listed
Europe (EINECS/ ELINCS) Listed

Additional Information

WHMIS Classification: D2B
SARA Title III: Not applicable
CERCLA Reportable Quantities: Not applicable
California Proposition 65: This product is not subject to the reporting requirements.

Other Information

HAZARD RATING HMIS	NFPA
Health	2
Flammability	0
Reactivity	1
PPE	H

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Material Safety Data Sheet

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Product and Manufacturer Identification

Product name: Von Schrader Dry Carpet & Upholstery Detergent
Product Use: Professional carpet and upholstery cleaning
Manufacturer: Von Schrader Company
 1600 Junction Avenue
 Racine, WI 53403

Composition/ Information On Ingredients

Ingredient Name	CAS Number	Weight %
NJ TSNR 80100334001-5400p		93-97
NJ TSNR 80100334001-5470p		2-4
NJ TSNR 80100334001-5380p		1-2

Hazard Identification

Emergency Overview: Warning! Irritant.

Potential Health Hazards:

SKIN: Repeated or prolonged contact with dust may cause irritation.
EYES: Dust may irritate the eyes
INHALATION: Inhalation of dusts may cause respiratory irritation.
INGESTION: Ingestion of large amounts may irritate the gastrointestinal tract.

First Aid Measures

SKIN: Rinse with plenty of running water. Get medical attention if irritation persists
EYES: Rinse with running water for at least 15 minutes. Get medical attention.
INHALATION: Remove to fresh air. Get medical attention if signs of suffocation, irritation or other symptoms develop.
INGESTION: Drink 1 or 2 glasses of water. Get medical attention or advice

Fire Fighting Measure

Flammable Properties:

FLASH POINT:

Noncombustible

Extinguishing Media:

Dry chemical, foam, carbon dioxide, and water fog.

Unusual Fire And Explosion Hazards:

Dusts may form explosive mixtures with air.

Special Fire Fighting Procedures:

Wear NIOSH-approved self-contained breathing apparatus.

Accidental Release Measures

Spill And Leak Procedures:

(See **Exposure Controls** section for recommended personal protection equipment.) Stay upwind and ventilate closed spaces before entering. Cover powder spill with plastic sheet or tarp to minimize spreading. With minimum dusting, shovel into an empty container with a cover. Prevent material from entering waterways.

Handling And Storage

Handling Procedures:

Avoid contact with eyes and skin. Avoid breathing dust.

Storage Procedures: Avoid dispersion of dust in the air. Store in a cool, dry, well-ventilated area.

Exposure Controls/ Personal Protection

Exposure Guidelines

Ingredient name

NJ TSNR 8010033401-5420p

ACGIH TLV OSHA PEL NIOSH

LD₅₀(oral, rat)= 1288 mg/ kg

LC₅₀(inhalation, rat)= 3800 mg/ m³

Engineering Controls:

Local exhaust if dusty conditions exist or if in enclosed spaces.

Personal Protective Equipment:

Skin Protection:

For handling dry material, wear impervious gloves and full work clothing, including long sleeved shirt and trousers.

Eye Protection:

Wear dust goggles.

Respiratory

Protection:

Where required, use a NIOSH-approved respirator for dust, mist and/ or sulfur dioxide gas as conditions indicate. Some exposures may require a NIOSH-approved self-contained breathing apparatus or supplied air respirator.

Additional

Recommendations:

No special recommendations under normal use conditions.

Physical And Chemical Properties

Appearance:

Fine, white powder

Odor:

Soap-like

pH:

1% solution->9.0

Specific Gravity:

0.48-g/ ml

Water Solubility:

Complete

% Volatiles:

>2%

Vapor Pressure:

Not determined

Vapor Density:

Estimated lighter than air

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Evaporation Rate: Estimated slower than ethyl ether

Stability And Reactivity

Chemical Stability: Stable under normally conditions.
Incompatibility: This product may react with acids or oxidizing agents.
Hazardous Decomposition: Upon decomposition this product may yield sulfur dioxide and oxides of sulfur.
Hazardous Polymerization: Will not occur

Toxicological Information

Immediate (Acute) Effects: LD₅₀ (oral, rat)= 1288 mg/ kg
LC₅₀ (inhalation, rat)= 3800 mg/ m³
Delayed (Sub chronic And Chronic) Effects: None known.

Ecological Information

Ecotoxicological Information: Aquatic LC₅₀ > 10- 100 mg/ L
Environmental Fate: This product is readily biodegradable.

Disposal Considerations

This material is not a hazardous waste defined by the U.S. Resource, Conservation and Recovery Act (RCRA), 40 CFR 261; however, only dispose of in accordance with applicable Federal, State and Local regulations.

Transportation Information

DOT and TDG Classification:
Proper Shipping Name: ORM-D (Consumer Commodity)

Regulatory Information

Inventory Status

USA (TSCA)	Listed
Canada (DSL)	Listed
Europe (EINECS/ ELINCS)	Listed
Japan (ENCS)	Listed
Australia (AICS)	Listed
Korea (ECL)	Listed
Philippines (PICCS)	Listed
Swiss (SWISS)	Listed

Additional Information

WHMIS Classification: This product is not controlled under WHMIS
SARA Title III: Not applicable
CERCLA Reportable Quantities: Not applicable
California Proposition 65: This product is not subject to the reporting requirements.

Other Information

HAZARD RATING HMIS	NFPA	
Health	2	2
Flammability	1	1
Reactivity	0	0
PPE	X	

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Product and Manufacturer Identification

Product name: DYE-OUT
Product Use: Coloring dye stain remover
Manufacturer: Von Schrader Company
 1600 Junction Avenue
 Racine, WI 53403

Composition/ Information On Ingredients

Ingredient Name	CAS Number	Weight %
Water	7732-18-5	
Sodium sulfate	7757-82-6	
Disodium hexadecyldiphenoxide disulfonate	65143-89-7	
Disodium dihexadecyldiphenoxide disulfonate	70191-76-3	
Tetrasodium ethylenediaminetetraacetic acid	64-02-8	
Triethanolamine	102-71-6	> 1
Diethanolamine	111-42-2	> 1

Hazard Identification

Emergency Overview: Harmful, irritant
Potential Health Hazards:
SKIN: Prolonged contact may irritate the skin.
EYES: Irritant
INHALATION: None known
INGESTION: Large amount may be harmful.

First Aid Measures

SKIN: Rinse with plenty of running water. Get medical attention if irritation persists
EYES: Rinse with running water for at least 15 minutes. Get medical attention.
INHALATION: Remove to fresh air.
INGESTION: Drink plenty of water.

Fire Fighting Measure

Flammable Properties:

FLASH POINT:

Noncombustible

Extinguishing Media:

Use extinguishing media appropriate for material in surrounding fire.

Unusual Fire And Explosion Hazards:

None known.

Special Fire Fighting Procedures:

As a general precaution, firefighters, and others exposed, wear self-contained breathing apparatus.

Accidental Release Measures

Spill And Leak Procedures:

Absorb with an inert absorbent. Shovel up into an appropriate container. Use a water rinse for the final clean up.

Handling And Storage

Handling Procedures: Avoid prolonged or direct contact with eyes and skin.
Storage Procedures: KEEP OUT OF REACH OF CHILDREN. Avoid freezing or excessive heat.

Exposure Controls/ Personal Protection

Exposure Guidelines

Ingredient name

ACGIH TLV

OSHA PEL

Other Limit

Triethanolamine

 5 mg/ m³

Diethanolamine

 2 mg/ m³

Engineering Controls:

Use general ventilation. Local exhaust is suggested for use, where possible, in enclosed or confined spaces.

Personal Protective Equipment:

Skin Protection:

Rubber or vinyl gloves.

Eye Protection:

No special requirements under normal use conditions.

Respiratory

Protection:

No special requirements under normal use conditions.

Physical And Chemical Properties

Appearance: Clear and colorless liquid
Odor: Floral
pH: 12
Specific Gravity: 1.05 grams/ milliliter
Water Solubility: Complete

Physical And Chemical Properties

% Volatiles: Not determined
Vapor Pressure: Not determined

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Vapor Density: Not determined
Evaporation Rate: Estimate slower than ethyl ether

Stability And Reactivity

Chemical Stability: Stable
Incompatibility: Acids and oxidizers
Hazardous Decomposition: Produces normal products of combustion.
Hazardous Polymerization: Will not occur

Toxicological Information

Immediate (Acute) Effects: None determined.
Delayed (Subchronic And Chronic) Effects: None known.

Ecological Information

Ecotoxicological Information: Insufficient data.
Environmental Fate: Insufficient data.

Disposal Considerations

This material is not a hazardous waste defined by the U.S. Resource, Conservation and Recovery Act (RCRA), 40 CFR 261; however, only dispose of in accordance with applicable Federal, State and Local regulations.

Transportation Information

DOT and TDG Classification:
Proper Shipping Name: Non-hazardous

Regulatory Information

Inventory Status

USA (TSCA)	Listed
Canada (DSL)	Listed
Europe (EINECS/ ELINCS)	Listed
Japan (ENCS)	Listed
Australia (AICS)	Listed
Korea (ECL)	Listed
Philippines (PICCS)	Listed

Inventory Status, cont.

China	Listed
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Additional Information

WHMIS Classification:	Not controlled under WHIMS
SARA Title III:	Not applicable
CERCLA Reportable Quantities:	Not applicable
California Proposition 65:	This product is not subject to the reporting requirements.

Other Information

HAZARD RATING HMIS	NFPA	
Health	1	1
Flammability	0	0
Reactivity	0	0
PPE	B	

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Material Safety Data Sheet

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Product and Manufacturer Identification

Product name: G.I.T.G.O.
Product Use: Professional spot remover for grease, ink, tar, gum and oil.
Manufacturer: Von Schrader Company
 1600 Junction Avenue
 Racine, WI 53403

Composition/ Information On Ingredients

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>Weight %</u>
Water	7732-18-5	30-60
D-Limonene	94266-27-4	30-60
Nonoxynol-8	127087-87-0	5-10
Isopropyl amine dodecylbenzene sulfonate	26264-05-1	5-10
Sodium octane sulfonate	5324-84-5	1-5

Hazard Identification

Emergency Overview:

Warning! Combustible, harmful, irritant.

Potential Health Hazards:

SKIN: Repeated or prolonged contact may cause irritation.
EYES: Moderate to severe irritant.
INHALATION: May be irritating to the respiratory tract. May cause headaches.
INGESTION: Harmful. Ingestion may cause vomiting or headaches.

First Aid Measures

SKIN: Rinse with plenty of running water. Remove contaminated clothing and wash before reusing.
EYES: Rinse with running water until irritation subsides. If irritation persists get medical attention.
INHALATION: Remove to fresh air.
INGESTION: Do not induce vomiting. Never administer liquid to an unconscious victim. Rinse mouth with water. Drink 1 or 2 glasses of water. Get medical attention.

Fire Fighting Measure

Flammable Properties:

FLASH POINT: 145° F
FLASH POINT METHOD: TCC
Flammable Properties, cont.:
AUTOIGNITION TEMPERATURE: 660° F
UPPER FLAME LIMIT: 6.1 @ 77° F
LOWER FLAME LIMIT: 0.7 @ 77° F
OSHA HAZARD CLASS: Combustible

Extinguishing Media:

Dry chemical, foam, and carbon dioxide.

Unusual Fire And Explosion Hazards:

Combustible mixture. Keep away from heat, sparks and open flame.

Special Fire Fighting Procedures:

Handle as an oil fire. Wear NIOSH-approved self-contained breathing apparatus.

Accidental Release Measures

Spill And Leak Procedures:

(See **Exposure Controls** section for recommended personal protection equipment.) Small spills can be wiped up. Eliminate sources of ignition. Keep out of water sources and sewers. Absorb with noncombustible sand or earth, and using non-sparking tools, transfer to disposal drums.

Handling And Storage

Handling Procedures: Avoid contact with eyes and skin. Avoid breathing fumes.
Storage Procedures: Keep away from heat, sparks and flame. Store in well-ventilated area in a tightly closed container.

Exposure Controls/ Personal Protection

Exposure Guidelines

Ingredient name
 None

ACGIH TLV

OSHA PEL

TWA

Exxon Mobile

Engineering Controls:

Local exhaust is adequate.

Personal Protective Equipment:

Skin Protection: Use gloves resistant to the material, like neoprene.
Eye Protection: Unnecessary under normal use, otherwise use safety glasses.
Respiratory Protection: Unnecessary under normal use, otherwise use a NIOSH-approved respirator.

Physical And Chemical Properties

Appearance: Clear water white gel

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Odor: Citrus
pH: 7
Specific Gravity: Undetermined
Water Solubility: 60%
% Volatiles: 80%
Vapor Pressure: 2 mm Hg @ 68° F
Vapor Density: Not determined
Evaporation Rate: < 1 (n-Bu Acetate= 1)

Stability And Reactivity

Chemical Stability: Stable
Incompatibility: Strong oxidizing agents
Hazardous Decomposition: Carbon oxides are formed when burned.
Hazardous Polymerization: Will not occur

Toxicological Information

Immediate (Acute) Effects: Acute eye and skin irritation
LD₅₀(oral, rat)= >5 g/ kg
Delayed (Sub chronic And Chronic) Effects: None known.

Ecological Information

Ecotoxicological Information: No data
Environmental Fate: No data

Disposal Considerations

Dispose in accordance with Local, State and Federal Regulations.

Transportation Information

DOT and TDG Classification:
Proper Shipping Name: ORM-D (Consumer Commodity)

Regulatory Information

Inventory Status

USA (TSCA) Listed
Canada (DSL) Listed
Europe (EINECS/ ELINCS) Listed.

Inventory Status, cont.

Japan (ENCS) Listed
Australia (AICS) Listed

Additional Information

WHMIS Classification: Class B: Combustible Material
SARA Title III: Not applicable
CERCLA Reportable Quantities: Not applicable
California Proposition 65: This product is not subject to the reporting requirements.

Other Information

HAZARD RATING HMIS	NFPA	
Health	1	1
Flammability	2	2
Reactivity	0	0
PPE	X	

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Material Safety Data Sheet

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Product and Manufacturer Identification

Product name: Von Schrader Liquidator
Product Use: Professional carpet and upholstery cleaning foam suppressor
Manufacturer: Von Schrader Company
 1600 Junction Avenue
 Racine, WI 53403

Composition/ Information On Ingredients

Ingredient Name	CAS Number	Weight %
Water	7732-18-5	>90
Polydimethylsiloxane	63148-62-9	> 3-7

Hazard Identification

Emergency Overview: Routes of entry are inhalation, skin and eye contact
Potential Health Hazards:
SKIN: None known.
EYES: May be mildly irritating to eyes.
INHALATION: None known.
INGESTION: None known

First Aid Measures

SKIN: Rinse with plenty of running water. Get medical attention if irritation persists.
EYES: Rinse with plenty of running water. Get medical attention if irritation persists.
INHALATION: Remove to fresh air.
INGESTION: Drink plenty of water. Call a physician.

Fire Fighting Measure

Flammable Properties:

FLASH POINT:

Noncombustible

Extinguishing Media:

Use extinguishing media appropriate for material in surrounding fire.

Unusual Fire And Explosion Hazards:

None known.

Special Fire Fighting Procedures:

As a general precaution, firefighters, and others exposed, wear self-contained breathing apparatus.

Accidental Release Measures

Spill And Leak Procedures:

Absorb with an inert absorbent. Shovel up into an appropriate container. Use a water rinse for the final clean up.

Handling And Storage

Handling Procedures: Avoid prolonged or direct contact with eyes and skin.
Storage Procedures: KEEP OUT OF REACH OF CHILDREN. Avoid freezing or excessive heat.

Exposure Controls/ Personal Protection

Exposure Guideline:

Ingredient name	ACGIH TLV	OSHA PEL	Other Limit
Not Applicable			
Engineering Controls:	No special requirements under normal use conditions.		
Personal Protective Equipment:			
Skin Protection:	No special requirements under normal use conditions.		
Eye Protection:	No special requirements under normal use conditions.		
Respiratory Protection:	No special requirements under normal use conditions.		
Additional Recommendations:	No special requirements under normal use conditions.		

Physical And Chemical Properties

Appearance: Opaque light green liquid
Odor: Odorless
pH: 7.0
Specific Gravity: 1.0
Water Solubility: Dispersible
% Volatiles: >90
Vapor Pressure: Not Determined
Vapor Density: Not Determined
Evaporation Rate: Not Determined

Stability And Reactivity

Chemical Stability: The product is stable.
Incompatibility: None known.

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Hazardous Decomposition: Produces normal products of combustion.
Hazardous Polymerization: Will not occur

Toxicological Information

Immediate (Acute) Effects: Eye irritant.
Delayed (Sub-chronic And Chronic) Effects: None known.

Ecological Information

Ecotoxicological Information: Insufficient data.
Environmental Fate: Insufficient data.

Disposal Considerations

This material is not a hazardous waste defined by the U.S. Resource, Conservation and Recovery Act (RCRA), 40 CFR 261; however, only dispose of in accordance with applicable Federal, State and Local regulations.

Transportation Information

DOT and TDG Classification:
Proper Shipping Name: Non-hazardous

Regulatory Information

Inventory Status

USA (TSCA)	Listed
Canada (DSL)	Listed
Europe (EINECS/ ELINCS)	Listed
Japan (ENCS)	Listed
Australia (AICS)	Listed
Korea (ECL)	Listed
Philippines (PICCS)	Listed
China	Listed

Additional Information

WHMIS Classification: Not controlled under WHMIS
SARA Title III: Not applicable

Additional Information, continued:

CERCLA Reportable Quantities: Not applicable
California Proposition 65: This product is not subject to the reporting requirements.

Other Information

HAZARD RATING HMIS	NFPA	
Health	1	1
Flammability	0	0
Reactivity	0	0
PPE		

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Material Safety Data Sheet

3/23/04

Product and Manufacturer Identification

Product name: Liquid Anti-Re-soil Carpet & Upholstery Detergent, Blue Label Low pH
Product Use: Professional home and commercial carpet and upholstery cleaning
Manufacturer: Von Schrader Company
 1600 Junction Avenue
 Racine, WI 53403

Composition/ Information On Ingredients

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>Weight %</u>
Water	7732-18-5	79-83
NJ TSRN 80100334001-5470p		4-6
NJ TSRN 80100334001-5420p		1-3
NJ TSRN 80100334001-5020p		3-5
NJ TSRN 80100334001-5430p		5-7

Hazard Identification

Emergency Overview: Routes of entry are inhalation, skin and eye contact
Potential Health Hazards:
SKIN: None known.
EYES: May be mildly irritating to eyes.
INHALATION: None known.
INGESTION: None known

First Aid Measures

SKIN: Rinse with plenty of running water. Get medical attention if irritation persists
EYES: Rinse with plenty of running water.
INHALATION: Remove to fresh air.
INGESTION: Drink plenty of water.

Fire Fighting Measure

Flammable Properties:

FLASH POINT:

Noncombustible

Extinguishing Media:

Use extinguishing media appropriate for material in surrounding fire.

Unusual Fire And Explosion Hazards:

None known.

Special Fire Fighting Procedures:

As a general precaution, firefighters, and others exposed, wear self-contained breathing apparatus.

Accidental Release Measures

Spill And Leak Procedures:

Absorb with an inert absorbent. Shovel up into an appropriate container. Use a water rinse for the final clean up.

Handling And Storage

Handling Procedures: Avoid prolonged or direct contact with eyes and skin.
Storage Procedures: KEEP OUT OF REACH OF CHILDREN. Avoid freezing or excessive heat.

Exposure Controls/ Personal Protection

Exposure Guidelines

<u>Ingredient name</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>Other Limit</u>
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Not Applicable

Engineering Controls: Use general ventilation. Local exhaust is suggested for use, where possible, in enclosed or confined spaces.

Personal Protective Equipment:

Skin Protection: No special requirements under normal use conditions.

Eye Protection: No special requirements under normal use conditions.

Respiratory Protection: No special requirements under normal use conditions.

Additional Recommendations: No special requirements under normal use conditions.

Physical And Chemical Properties

Appearance: Clear light blue liquid
Odor: Soap like
PH: 7.89
Specific Gravity: 1.0
Water Solubility: Complete
% Volatiles: >83

Physical And Chemical Properties, cont.

Vapor Pressure: Estimated less than air.
Vapor Density: Estimated less than air.

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Evaporation Rate: Estimated slower than ethyl ether.

Stability And Reactivity

Chemical Stability: The product is stable.
Incompatibility: None known.
Hazardous Decomposition: Produces normal products of combustion.
Hazardous Polymerization: Will not occur

Toxicological Information

Immediate (Acute) Effects: Eye irritant.
Delayed (Sub chronic And Chronic) Effects: None known.

Ecological Information

Ecotoxicological Information: Insufficient data.
Environmental Fate: Insufficient data.

Disposal Considerations

This material is not a hazardous waste defined by the U.S. Resource, Conservation and Recovery Act (RCRA), 40 CFR 261; however, only dispose of in accordance with applicable Federal, State and Local regulations.

Transportation Information

DOT and TDG Classification:

Proper Shipping Name: Non-hazardous

Regulatory Information

Inventory Status

USA (TSCA)	Listed
Canada (DSL)	Listed
Europe (EINECS/ ELINCS)	Listed
Japan (ENCS)	Listed
Australia (AICS)	Listed
Korea (ECL)	Listed
Philippines (PICCS)	Listed
China	Listed

Additional Information

WHMIS Classification: Not controlled under WHMIS
SARA Title III: Not applicable
CERCLA Reportable Quantities: Not applicable
California Proposition 65: This product is not subject to the reporting requirements.

Other Information

HAZARD RATING HMIS

Health
Flammability
Reactivity
PPE

NFPA

1	1
0	0
0	0

This product is a commercial cleaning and deodorizing chemical.

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Material Safety Data Sheet

3/23/04

Product and Manufacturer Identification

Product name: Microban X-580
Product Use: Disinfectant
Manufacturer: Von Schrader Company
 1600 Junction Avenue
 Racine, WI 53403

Composition/ Information On Ingredients

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>Weight %</u>
Water	7732-18-5	60-80
2-Propanol	67-63-0	10-30
Octylphenol polyoxyethylene	903-19-5	1-5

Hazard Identification

Emergency Overview: Flammable, harmful irritant.
Potential Health Hazards:
SKIN: Prolonged contact may cause discomfort, redness and drying.
EYES: Contact causes irritation and possible corneal injury.
INHALATION: Low concentration of the vapor may cause respiratory irritation, chest pain, and coughing. High concentrations may cause headache and drowsiness.
INGESTION: May cause abdominal discomfort, nausea, vomiting and diarrhea. Drowsiness or unconsciousness may occur.

First Aid Measures

SKIN: Flush with plenty of water. If irritation persists seek medical advice.
EYES: Flush with plenty of water get medical attention.
INHALATION: Remove to fresh air. Administer artificial respiration if not breathing. Seek medical attention.
INGESTION: DO NOT induce vomiting. If conscious, drink plenty of water. Get medical attention. Never give anything by mouth to an unconscious person.

Fire Fighting Measure

Flammable Properties:
FLASH POINT: 81°F
FLASH POINT METHOD: Tableau Closed Cup
AUTOIGNITION TEMPERATURE: Not determined
UPPER FLAME LIMIT: Not determined
LOWER FLAME LIMIT: Not determined
OSHA FLAMMABILITY CLASS: Flammable
Extinguishing Media:
 For large fires use alcohol type or foam type extinguishers. For smaller fires use dry chemical or carbon dioxide extinguishers.
Unusual Fire And Explosion Hazards:
 Potential fire hazard when exposed to excessive heat, flame or other sources of ignition.
Special Fire Fighting Procedures:
 Wear NIOSH-approved self-contained breathing apparatus.

Accidental Release Measures

Spill And Leak Procedures:
 (See Exposure Controls section for recommended personal protection equipment.) Eliminate sources of ignition. Keep out of water sources and sewers. Absorb with noncombustible sand or earth, and using non-sparking tools, transfer to disposal drums.

Handling And Storage

Handling Procedures: Avoid contact with eyes and skin. Avoid breathing vapors, mist or fumes.
Storage Procedures: Keep away from heat, sparks and flame. Store in well-ventilated area in a tightly closed container.

Exposure Controls/ Personal Protection

Exposure Guidelines

<u>Ingredient name</u>	<u>ACGIH TWA</u>	<u>OSHA TWA</u>	<u>their Limit</u>
2-Propanol	980-mg/ m ³	983-mg/ m ³	

Engineering Controls: Local exhaust is adequate. Ventilation recommended for enclosed spaces. Limit exposure to essential personnel during application.
Personal Protective Equipment:
Skin Protection: Use chemical resistant gloves, and coveralls.
Eye Protection: Goggles or full-face respirator.

Exposure Controls/ Personal Protection, cont.

Personal Protective Equipment, cont.:
Respiratory Protection: NIOSH approved respirator for organic vapors.
Additional Recommendations: Eye wash station for an emergency.

Material Safety Data Sheet

3/23/04

Physical And Chemical Properties

Appearance: Light yellow liquid
Odor: Faint mint
pH: 6.5-7.5
Specific Gravity: 0.9-grams/ milliliter
Water Solubility: 100%
% Volatiles: 25%
Vapor Pressure: Not determined
Vapor Density: Not determined
Evaporation Rate: Not determined

Stability And Reactivity

Chemical Stability: Stable
Incompatibility: Strong oxidizing agents
Hazardous Decomposition: Oxides of carbon
Hazardous Polymerization: Will not occur

Toxicological Information

Immediate (Acute) Effects:
Acute Eye Irritation: Severe irritant
Acute Skin Irritation: Slight irritant
Acute Dermal Toxicity: >5-grams/ kilogram
Acute Inhalation Toxicity: LC₅₀(inhalation, rat)= 2.88 ppm
Acute Oral Toxicity: >5-grams/ kilogram
Delayed (Sub-chronic And Chronic) Effects: None known

Ecological Information

Ecotoxicological Information: Not determined
Environmental Fate: Not determined

Disposal Considerations

Contact a licensed or registered waste disposal firm to incinerate the product.

Transportation Information

DOT and TDG Classification:
DOT Proper Shipping Name: ORM-D (Consumer Commodity)

Regulatory Information

Inventory Status

USA (TSCA)	Listed
Canada (DSL)	Listed
Europe (EINECS/ ELINCS)	Listed
Japan (ENCS)	Listed
Australia (AICS)	Listed

Additional Information

WHMIS Classification:	B2	D2B
SARA Title III:	Not applicable	
CERCLA Reportable Quantities:	Not applicable	
California Proposition 65:	This product is not subject to the reporting requirements.	

Other Information

HAZARD RATING	HMIS	NFPA	
Health		2	2
Flammability		3	3
Reactivity		0	0
PPE		H	

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Material Safety Data Sheet

3/23/04

Product and Manufacturer Identification

Product name: Odor Exploder
Product Use: General purpose deodorant
Manufacturer: Von Schrader Company
 1600 Junction Avenue
 Racine, WI 53403

Composition/ Information On Ingredients

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>Weight %</u>
Water	7732-18-5	79-83
NJ TSRN 80100334001-5120p		5-7
NJ TSRN 80100334001-5190p		3-5
NJ TSRN 80100334001-5260p		3-5
NJ TSRN 80100334001-5220p		2-4

Hazard Identification

Emergency Overview:

Slight eye irritant, in concentrate form.

Potential Health Hazards:

SKIN: None known
EYES: Slight irritant in concentrated form
INHALATION: None known
INGESTION: None known

First Aid Measures

SKIN: Rinse with water.
EYES: Rinse with water
INHALATION: Remove to fresh air
INGESTION: DO NOT induce vomiting. If conscious, drink plenty of water. Consult physician. Never give anything by mouth to an unconscious person.

Fire Fighting Measure

Flammable Properties:

FLASH POINT:

Noncombustible

Extinguishing Media:

Use extinguishing media appropriate for material in surrounding fire.

Unusual Fire And Explosion Hazards:

None known.

Special Fire Fighting Procedures:

As a general precaution, firefighters, and others exposed, wear self-contained breathing apparatus.

Accidental Release Measures

Spill And Leak Procedures:

Absorb with an inert absorbent. Shovel up into an appropriate container. Use a water rinse for the final clean up.

Handling And Storage

Handling Procedures: Avoid prolonged or direct contact with eyes and skin.
Storage Procedures: KEEP OUT OF REACH OF CHILDREN. Avoid freezing or excessive heat.

Exposure Controls/ Personal Protection

Exposure Guidelines

<u>Ingredient name</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>Other Limit</u>
Not Applicable			
Engineering Controls:	Use general ventilation. Local exhaust is suggested for use, where possible, in enclosed or confined spaces.		
<u>Personal Protective Equipment:</u>			
Skin Protection:	No special requirements under normal use conditions.		
Eye Protection:	No special requirements under normal use conditions.		
Respiratory Protection:	No special requirements under normal use conditions.		
Additional Recommendations:	No special requirements under normal use conditions.		

Physical And Chemical Properties

Appearance: Opaque amber liquid
Odor: Winter green
pH: 8-9
Specific Gravity: 1.0
Water Solubility: Complete
% Volatiles: >88

Material Safety Data Sheet

3/23/04

Vapor Pressure: 18.4 mm Hg @ 21°C
Vapor Density: 1.0
Evaporation Rate: Estimated slower than ethyl ether.

Stability And Reactivity

Chemical Stability: The product is stable.
Incompatibility: None known.
Hazardous Decomposition: Produces normal products of combustion.
Hazardous Polymerization: Will not occur

Toxicological Information

Immediate (Acute) Effects: Slight eye irritant only in concentrated form.
Delayed (Sub-chronic And Chronic) Effects: None known.

Ecological Information

Ecotoxicological Information: Insufficient data.
Environmental Fate: Insufficient data.

Disposal Considerations

This material is not a hazardous waste defined by the U.S. Resource, Conservation and Recovery Act (RCRA), 40 CFR 261; however, only dispose of in accordance with applicable Federal, State and Local regulations.

Transportation Information

DOT and TDG Classification:
Proper Shipping Name: Non-hazardous

Regulatory Information

Inventory Status

USA (TSCA)	Listed
Canada (DSL)	Listed
Europe (EINECS/ ELINCS)	Listed
Japan (ENCS)	Listed
Australia (AICS)	Listed
Korea (ECL)	Listed
Philippines (PICCS)	Listed
China	Listed

Additional Information

WHMIS Classification:	Not controlled under WHIMS
SARA Title III:	Not applicable
CERCLA Reportable Quantities:	Not applicable
California Proposition 65:	This product is not subject to the reporting requirements.

Other Information

HAZARD RATING HMIS	NFPA	
Health	1	1
Flammability	0	0
Reactivity	0	0
PPE		

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Product and Manufacturer Identification

Product name: Prelim
Product Use: Pre-spray for upholstery fabric before cleaning
Manufacturer: Von Schrader Company
 1600 Junction Avenue
 Racine, WI 53403

Composition/ Information On Ingredients

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>Weight %</u>
Water	7732-18-5	40-70
2-Butoxyethanol	111-76-2	10-30
D-Limonene	5989-27-5	10-30
Sodium olefin sulfonate	68439-57-6	5-10

Hazard Identification

Emergency Overview:

Harmful, irritant

Potential Health Hazards:

SKIN: Prolonged direct contact may cause irritation.
EYES: Prolonged direct contact may cause irritation.
INHALATION: Excessive concentrated vapors can cause irritation.
INGESTION: Product may be harmful if ingested.

First Aid Measures

SKIN: Rinse with plenty of running water. Get medical attention if irritation persists.
EYES: Rinse with running water for at least 15 minutes. Get medical if irritation persists.
INHALATION: Remove to fresh air. Get medical attention if signs of suffocation, irritation or other symptoms develop.
INGESTION: Do not induce vomiting. Never administer liquid to an unconscious victim. Rinse mouth with water. Drink 1 or 2 glasses of water. Get medical attention.

Fire Fighting Measure

Flammable Properties:

FLASH POINT: 165°F
FLASH POINT METHOD: Tagliabue Closed Cup
AUTOIGNITION TEMPERATURE: Not determined

Flammable Properties, cont.:

UPPER FLAME LIMIT: Not determined
LOWER FLAME LIMIT: Not determined
OSHA FLAMMABILITY CLASS: Combustible

Extinguishing Media:

Use water fog, 'alcohol foam', dry chemical or carbon dioxide to extinguish flames.

Unusual Fire And Explosion Hazards:

Vapors are heavier than air. Vapors may travel may travel across the ground and reach remote ignition sources causing a flashback fire danger.

Special Fire Fighting Procedures:

NIOSH-approved self-contained breathing apparatus. Cool containers exposed to intense heat with large quantities of water.

Accidental Release Measures

Spill And Leak Procedures:

(See **Exposure Controls** section for recommended personal protection equipment.) Small spills can be wiped up. Eliminate sources of ignition. Keep out of water sources and sewers. Absorb with noncombustible sand or earth, and using non-sparking tools, transfer to disposal drums.

Handling And Storage

Handling Procedures: Avoid contact with eyes and skin. Avoid breathing fumes.
Storage Procedures: Keep away from heat, sparks and flame. Store in well-ventilated area in a tightly closed container.

Exposure Controls/ Personal Protection

Exposure Guidelines

<u>Ingredient name</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>Other Limit</u>
2-Butoxyethanol	97-mg/ m ³	240-mg/ m ³	

Engineering Controls: Local exhaust is adequate.

Personal Protective Equipment:

Skin Protection: Use gloves resistant to the material, like neoprene.
Eye Protection: Unnecessary under normal use, otherwise use safety glasses.
Respiratory Protection: Unnecessary under normal use, otherwise use a NIOSH-approved respirator.

Physical And Chemical Properties

Appearance: Clear amber liquid
Odor: Citrus fragrance
pH: 7.5

Material Safety Data Sheet

3/24/04

Specific Gravity: 0.97-grams/ milliliter
Water Solubility: 78%
% Volatiles: 90
Vapor Pressure: Not determined
Vapor Density: Estimated greater than air
Evaporation Rate: < 1 (n-Bu Acetate= 1)

Stability And Reactivity

Chemical Stability: Stable
Incompatibility: Incompatible with strong oxidizing agents.
Hazardous Decomposition: Oxides of carbon
Hazardous Polymerization: Will not occur

Toxicological Information

Immediate (Acute) Effects: Moderate eye irritant, mild skin irritant
Delayed (Sub-chronic And Chronic) Effects: None known

Ecological Information

Ecotoxicological Information: No data
Environmental Fate: No data

Disposal Considerations

This material is not a hazardous waste defined by the U.S. Resource, Conservation and Recovery Act (RCRA), 40 CFR 261; however, only dispose of in accordance with applicable Federal, State and Local regulations.

Transportation Information

DOT and TDG Classification:
DOT Proper Shipping Name: ORM-D (Consumer Commodity)

Regulatory Information

Inventory Status

USA (TSCA)	Listed
Canada (DSL)	Listed
Europe (EINECS/ ELINCS)	Listed
Japan (ENCS)	Listed
Australia (AICS)	Listed
Korea (ECL)	Listed
Philippines (PICCS)	Listed
China	Listed

Additional Information

WHMIS Classification:	Class B: Combustible Material
SARA Title III:	Not applicable
CERCLA Reportable Quantities:	Not applicable
California Proposition 65:	This product is not subject to the reporting requirements.

Other Information

HAZARD RATING HMIS	NFPA	
Health	1	1
Flammability	2	2
Reactivity	0	0
PPE	D	

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Material Safety Data Sheet

3/23/04

Product and Manufacturer Identification

Product name: Rust Remover
Product Use: Professional Spot Removal
Manufacturer: Von Schrader Company
 1600 Junction Avenue
 Racine, WI 53403

Composition/ Information On Ingredients

Ingredient Name	CAS Number	Weight %
Water	7732-18-5	>90
Oxalic acid	144-62-7	<10

Hazard Identification

Emergency Overview: Corrosive, harmful, irritant.
Potential Health Hazards:
SKIN: Can cause severe irritation, possible skin burns.
EYES: Irritant may produce corrosive effects.
INHALATION: Can cause severe irritation and burns of nose, throat and respiratory tract.
INGESTION: Toxic. May cause burns, nausea, severe gastroenteritis and vomiting, shock and convulsions.

First Aid Measures

SKIN: Remove contaminated clothing. Thoroughly wash exposed area with soap and water. Consult physician if irritation persists.
EYES: Immediately flush with gentle but large stream of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Call physician immediately.
INHALATION: Remove to fresh air. If symptoms persist or are severe seek prompt medical assistance.
INGESTION: Rinse mouth with water. If patient is fully conscious give 1 to 2 glasses of milk. DO NOT INDUCE VOMITING. Get medical attention immediately.

Fire Fighting Measure

Flammable Properties:

FLASH POINT:

Noncombustible

Extinguishing Media:

Use extinguishing media appropriate for material in surrounding fire.

Unusual Fire And Explosion Hazards:

See Stability and Reactivity Section

Special Fire Fighting Procedures:

Use NIOSH/ MSHA approved self-contained positive pressure breathing apparatus and protective clothing where this material is involved in a fire.

Accidental Release Measures

Spill And Leak Procedures:

(See Exposure Controls section for recommended personal protection equipment.) Absorb with an inert absorbent. Shovel up into an appropriate container. Use a water rinse for the final clean up.

Handling And Storage

Handling Procedures: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
Storage Procedures: KEEP OUT OF REACH OF CHILDREN. Keep container tightly closed, and protect from freezing.

Exposure Controls/ Personal Protection

Exposure Guidelines

Ingredient name

ACGIH TLV

OSHA PEL

Other Limit

Oxalic acid

 1 mg/ m³

 1 mg/ m³
Engineering Controls: Use general ventilation. Dilution ventilation is necessary for enclosed spaces.

Personal Protective Equipment:

Skin Protection: Chemical resistant gloves.

Eye Protection: Chemical splash goggles.

Respiratory
Protection: Not required under normal use with adequate ventilation. If excessive mists or dust expected without proper ventilation use a NIOSH approved respirator for acids.

Physical And Chemical Properties

Appearance: Clear and colorless liquid
Odor: Low odor
pH: less than 1

Physical And Chemical Properties, cont.

Specific Gravity: 1.04-grams/ milliliter
Water Solubility: Complete
% Volatiles: > 90%
Vapor Pressure: Same as water
Vapor Density: 0.6 (Air=1)
Evaporation Rate: Estimated slower than ethyl ether.

Material Safety Data Sheet

3/23/04

Stability And Reactivity

Chemical Stability: Stable
Incompatibility: Chlorine bleach and strong oxidizers.
Hazardous Decomposition: Possible formic acid, and oxides of carbon
Hazardous Polymerization: Will not occur.

Toxicological Information

Immediate (Acute) Effects: Product is corrosive to the skin and eyes.
LD50 (oral, rat)= 50-500 mg/ kg
Delayed (Sub chronic And Chronic) Effects: None known.

Ecological Information

Ecotoxicological Information: No data.
Environmental Fate: Biodegradable

Disposal Considerations

Only dispose of in accordance with applicable Federal, State and Local regulations.

Transportation Information

DOT and TDG Classification:
DOT Proper Shipping Name: ORM-D (Consumer Commodity)

Regulatory Information

Inventory Status

USA (TSCA)	Listed
Canada (DSL)	Listed
Europe (EINECS/ ELINCS)	Listed
Japan (ENCS)	Listed
Australia (AICS)	Listed
Korea (ECL)	Listed

Inventory Status, cont.

Philippines (PICCS)	Listed
China	Listed

Additional Information

WHMIS Classification: B2, D2B
SARA Title III: Not applicable
CERCLA Reportable Quantities: Not applicable
California Proposition 65: This product is not subject to the reporting requirements.

Other Information

HAZARD RATING HMIS	NFPA	
Health	2	2
Flammability	0	0
Reactivity	0	0
PPE	B	

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Material Safety Data Sheet

3/23/04

Product and Manufacturer Identification

Product name: Von Schrader Spot Remover
Product Use: Dissolves spots in residential and commercial carpets.
Manufacturer: Von Schrader Company
 1600 Junction Avenue
 Racine, WI 53403

Composition/ Information On Ingredients

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>Weight %</u>
Water	7732-18-5	71-81
NJ TSRN 80100334001-5030p		8-10
NJ TSRN 80100334001-5230p		7-9
NJ TSRN 80100334001-5200p		1-3
NJ TSRN 80100334001-5090p		1-3

Hazard Identification

Emergency Overview: Routes of entry are inhalation, skin and eye contact
Potential Health Hazards:
SKIN: None known.
EYES: May be mildly irritating to eyes.
INHALATION: None known.
INGESTION: None known

First Aid Measures

SKIN: Rinse with plenty of running water. Get medical attention if irritation persists
EYES: Rinse with plenty of running water.
INHALATION: Remove to fresh air.
INGESTION: Drink plenty of water.

Fire Fighting Measure

Flammable Properties:

FLASH POINT:

Noncombustible

Extinguishing Media:

Use extinguishing media appropriate for material in surrounding fire.

Unusual Fire And Explosion Hazards:

None known.

Special Fire Fighting Procedures:

As a general precaution, firefighters, and others exposed, wear self-contained breathing apparatus.

Accidental Release Measures

Spill And Leak Procedures:

Absorb with an inert absorbent. Shovel up into an appropriate container. Use a water rinse for the final clean up.

Handling And Storage

Handling Procedures: Avoid prolonged or direct contact with eyes and skin.
Storage Procedures: KEEP OUT OF REACH OF CHILDREN. Avoid freezing or excessive heat.

Exposure Controls/ Personal Protection

Exposure Guidelines

Ingredient name

Not Applicable

Engineering Controls:

Use general ventilation. Local exhaust is suggested for use, where possible, in enclosed or confined spaces.

Personal Protective Equipment:

Skin Protection:

No special requirements under normal use conditions.

Eye Protection:

No special requirements under normal use conditions.

Respiratory

Protection:

No special requirements under normal use conditions.

Additional

Recommendations:

No special requirements under normal use conditions.

Physical And Chemical Properties

Appearance: Clear light blue liquid
Odor: Mild sweet odor
pH: 7.89
Specific Gravity: 1.0
Water Solubility: Complete
% Volatiles: >83

Physical And Chemical Properties, cont.

Vapor Pressure: Estimated less than air.
Vapor Density: Estimated less than air.

Material Safety Data Sheet

3/23/04

Evaporation Rate: Estimated slower than ethyl ether.

Stability And Reactivity

Chemical Stability: The product is stable.
Incompatibility: None known.
Hazardous Decomposition: Produces normal products of combustion.
Hazardous Polymerization: Will not occur

Toxicological Information

Immediate (Acute) Effects: None determined.
Delayed (Sub-chronic And Chronic) Effects: None known.

Ecological Information

Ecotoxicological Information: Insufficient data.
Environmental Fate: Insufficient data.

Disposal Considerations

This material is not a hazardous waste defined by the U.S. Resource, Conservation and Recovery Act (RCRA), 40 CFR 261; however, only dispose of in accordance with applicable Federal, State and Local regulations.

Transportation Information

DOT and TDG Classification:
Proper Shipping Name: Non-hazardous

Regulatory Information

Inventory Status

USA (TSCA)	Listed
Canada (DSL)	Listed
Europe (EINECS/ ELINCS)	Listed
Japan (ENCS)	Listed
Australia (AICS)	Listed
Korea (ECL)	Listed
Philippines (PICCS)	Listed
China	Listed

Additional Information

WHMIS Classification: Not controlled under WHMIS
SARA Title III: Not applicable
CERCLA Reportable Quantities: Not applicable
California Proposition 65: This product is not subject to the reporting requirements.

Other Information

HAZARD RATING HMIS	NFPA	
Health	1	1
Flammability	0	0
Reactivity	0	0
PPE		

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Material Safety Data Sheet

3/23/04

Product and Manufacturer Identification

Product name: Un Duz It
Product Use: Commercial carpet cleaner/ stain remover.
Manufacturer: Von Schrader Company
1600 Junction Avenue
Racine, WI 53403

Composition/ Information On Ingredients

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>Weight %</u>
Water	7732-18-5	>80
Live Beneficial Bacterial Cultures	Class 1	>1
1,2-Dihydroxypropane	57-55-6	1-5
Octoxynol surfactant	9036-19-5	1-5
Anionic surfactant	Not Available	1-5

Hazard Identification

Emergency Overview: Skin and eye irritant. Class 1 microorganisms defined, by the Center for Disease Control, as not likely to cause disease in healthy humans or animals. Persons with compromised immune systems should avoid contact with open wounds and/ or breathing mist.

Potential Health Hazards:

SKIN: Prolonged contact may cause discomfort and mild irritation.
EYES: May cause irritation
INHALATION: Inhaling mist may cause irritation.
INGESTION: May cause abdominal discomfort, nausea and vomiting.

First Aid Measures

SKIN: Rinse with plenty of running water. Get medical attention if irritation persists.
EYES: Rinse with plenty of running water. Get medical attention if irritation persists.
INHALATION: Remove to fresh air. If breathing problems develop seek care by a physician.
INGESTION: Drink plenty of water. Monitor victim for signs of illness. Consult physician.

Fire Fighting Measure

Flammable Properties:

FLASH POINT:

Noncombustible

Extinguishing Media:

Use extinguishing media appropriate for material in surrounding fire.

Unusual Fire And Explosion Hazards:

None known.

Special Fire Fighting Procedures:

As a general precaution, firefighters, and others exposed, wear self-contained breathing apparatus.

Accidental Release Measures

Spill And Leak Procedures:

Absorb with an inert absorbent. Shovel up into an appropriate container. Use a water rinse for the final clean up.

Handling And Storage

Handling Procedures:

Avoid prolonged or direct contact with eyes and skin.

Storage Procedures:

KEEP OUT OF REACH OF CHILDREN. Avoid freezing or excessive heat.

Exposure Controls/ Personal Protection

Exposure Guidelines

Ingredient name

Not Applicable

ACGIH TLV

OSHA PEL

Other Limit

Engineering Controls:

Use general ventilation. Local exhaust is suggested for use, where possible, in enclosed or confined spaces.

Personal Protective Equipment:

Skin Protection:

Disposable nitrile or natural rubber.

Eye Protection:

Safety glasses with side shields or splash goggles.

Respiratory

Protection:

No special requirements under normal use conditions.

Additional

Recommendations:

No special requirements under normal use conditions.

Physical And Chemical Properties

Appearance:

Opaque liquid

Odor:

Light citrus odor

pH:

10.4-10.7

Specific Gravity:

1.0

Water Solubility:

Complete

% Volatiles:

Not available

Vapor Pressure:

Not available

Vapor Density:

Not available

Material Safety Data Sheet

3/23/04

Evaporation Rate: Estimated slower than other.

Stability And Reactivity

Chemical Stability: Stable
Incompatibility: Strong acids, alkali and biocides may inactivate biological cultures.
Hazardous Decomposition: Not determined
Hazardous Polymerization: Will not occur.

Toxicological Information

Immediate (Acute) Effects: No toxicity tests have been performed on this product.
Delayed (Sub-chronic And Chronic) Effects: None known

Ecological Information

Ecotoxicological Information: Not available
Environmental Fate: Not available

Disposal Considerations

Dispose of in accordance with applicable Federal, State and Local regulations.

Transportation Information

DOT and TDG Classification:
DOT Proper Shipping Name: Not hazardous for transportation

Regulatory Information

Inventory Status

USA (TSCA)	Listed
Canada (DSL)	Listed
Europe (EINECS/ ELINCS)	Listed
Japan (ENCS)	Listed
Australia (AICS)	Listed
Korea (ECL)	Listed
Philippines (PICCS)	Listed
China	Listed

Additional Information

WHMIS Classification: D2B
SARA Title III: Not applicable
CERCLA Reportable Quantities: Not applicable
California Proposition 65: This product is not subject to the reporting requirements.

Other Information

HAZARD RATING HMIS	NFPA	
Health	1	1
Flammability	0	0
Reactivity	0	0
PPE	B	

This product is a commercial cleaning and deodorizing chemical.

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Material Safety Data Sheet

3/23/04

Product and Manufacturer Identification

Product name: Volatile Solvent
Product Use: Professional spot remover
Manufacturer: Von Schrader Company
 1600 Junction Avenue
 Racine, WI 53403

Composition/ Information On Ingredients

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>Weight %</u>
Tetrachloroethylene	127-18-4	99

Hazard Identification

Emergency Overview: Hazardous, harmful irritant. Classified as a carcinogen.
Potential Health Hazards:
SKIN: Very hazardous irritant and permeator.
EYES: Very hazardous irritant.
INHALATION: Extremely hazardous. Repeated or prolonged inhalation of the vapors may lead to chronic respiratory irritation.
INGESTION: Extremely hazardous. This substance is toxic to kidneys, lungs, the nervous system, liver and mucous membranes.

First Aid Measures

SKIN: Gently and thoroughly wash with running water and non-abrasive soap. If irritation persists get medical attention.
EYES: Check and remove contact lenses. Immediately flush with water for at least 15 minutes holding eyelids open. Seek medical attention.
INHALATION: Remove to fresh air. Loosen tight clothing. If breathing is difficult, administer oxygen. If victim is not breathing, perform mouth-to-mouth respiration. Get medical attention.
INGESTION: DO NOT INDUCE VOMITING. Loosen tight clothing. If victim is not breathing, perform mouth-to-mouth respiration. Seek immediate medical attention.

Fire Fighting Measure

Flammable Properties:

FLASH POINT:

Noncombustible

Extinguishing Media:

Use extinguishing media appropriate for material in surrounding fire.

Unusual Fire And Explosion Hazards:

Thermal decomposition will release hydrogen chloride, phosgene, and chlorine.

Special Fire Fighting Procedures:

Wear NIOSH-approved self-contained breathing apparatus and protective clothing.

Accidental Release Measures

Spill And Leak Procedures:

 (See **Exposure Controls** section for recommended personal protection equipment.) Absorb with an inert material and put spilled material in a container for disposal.

Handling And Storage

Handling Procedures: Avoid contact with skin and eyes. Do not breathe gas/ fumes/ vapor/ spray. In case of insufficient ventilation wear suitable respiratory equipment.

Storage Procedures:

KEEP OUT OF THE REACH OF CHILDREN. Keep locked up. Keep container tightly sealed.

Exposure Controls/ Personal Protection

Exposure Guidelines

<u>Ingredient name</u>	<u>ACGIH TLV</u>	<u>ACGIH STEL</u>	<u>OSHA PEL</u>
Tetrachloroethylene	170 mg/ m3	685-mg/-m3	690 mg/ m3

Engineering Controls:

Use general ventilation. Dilution ventilation is necessary for enclosed spaces.

Personal Protective Equipment:

Skin Protection: Chemical resistant gloves, like neoprene or viton.

Eye Protection: Safety glasses with side shields or splash goggles.

Respiratory

Protection: If ventilation is not adequate then use a NIOSH-approved respirator with an organic vapor cartridge.

Physical And Chemical Properties

Appearance: Clear colorless liquid
Odor: Mildly sweet odor.
PH: Not applicable

Physical And Chemical Properties

Specific Gravity: 1.62-grams/ milliliter
Water Solubility: Negligible
% Volatiles: 100%
Vapor Pressure: 13-mmHg @20°C

Material Safety Data Sheet

3/23/04

Vapor Density: 5.72
Evaporation Rate: Not provided

Stability And Reactivity

Chemical Stability: Stable
Incompatibility: Strong oxidizers.
Hazardous Decomposition: Thermal decomposition will release hydrogen chloride, phosgene, and chlorine.
Hazardous Polymerization: Will not occur

Toxicological Information

Immediate (Acute) Effects: LD50 (Oral, rat)= 2629 mg/ kg
Delayed (Sub chronic And Chronic) Effects: Carcinogen

Ecological Information

Ecotoxicological Information: Degradation unlikely. Long-term degradation products may arise. Products of biodegradation are more toxic
Environmental Fate: Nearly inert.

Disposal Considerations

Recycle if possible. Dispose of in accordance with applicable Federal, State and Local regulations. Consult local or regional authorities.

Transportation Information

DOT and TDG Classification:
DOT Proper Shipping Name: ORM-D (Consumer commodity)

Regulatory Information

Inventory Status

USA (TSCA)	Listed
Canada (DSL)	Listed
Europe (EINECS/ ELINCS)	Listed
Japan (ENCS)	Listed
Australia (AICS)	Listed
Korea (ECL)	Listed
Philippines (PICCS)	Listed
China	Listed

Additional Information

WHMIS Classification: D (Poisonous)
SARA Title III: Not applicable
CERCLA Reportable Quantities: Not applicable
California Proposition 65: Warning! Tetrachloroethylene has been found to causes cancer.

Other Information

HAZARD RATING HMIS	NFPA	
Health	2	2
Flammability	0	0
Reactivity	0	0
PPE	H	

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Product and Manufacturer Identification

Product name: Wall Detergent
Product Use: Professional home and commercial wall washing
Manufacturer: Von Schrader Company
 1600 Junction Avenue
 Racine, WI 53403

Composition/ Information On Ingredients

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>Weight %</u>
Water	7732-18-5	60-100
Sodium lauryl sulfate	151-21-3	7-13
1-Methoxy 2-propanol	107-98-2	5-10
Sodium tripolyphosphate	7758-29-4	1-5

Hazard Identification

Emergency Overview: Routes of entry are inhalation, skin and eye contact

Potential Health Hazards:

SKIN: None known.
EYES: May be mildly irritating to eyes.
INHALATION: None known.
INGESTION: None known

First Aid Measures

SKIN: Rinse with plenty of running water. Get medical attention if irritation persists
EYES: Rinse with plenty of running water.
INHALATION: Remove to fresh air.
INGESTION: Drink plenty of water.

Fire Fighting

Measure Flammable Properties:

FLASH POINT:

Noncombustible

Extinguishing Media:

Use extinguishing media appropriate for material in surrounding fire.

Fire Fighting Measure, cont.

Unusual Fire And Explosion Hazards:

None known.

Special Fire Fighting Procedures:

As a general precaution, firefighters, and others exposed, wear self-contained breathing apparatus.

Accidental Release Measures

Spill And Leak Procedures:

Absorb with an inert absorbent. Shovel up into an appropriate container. Use a water rinse for the final clean up.

Handling And Storage

Handling Procedures: Avoid prolonged or direct contact with eyes and skin.
Storage Procedures: KEEP OUT OF REACH OF CHILDREN. Avoid freezing or excessive heat.

Exposure Controls/ Personal Protection

Exposure Guidelines

<u>Ingredient name</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>Other Limit</u>
1-Methoxy 2-propanol	100 ml/m ³		
Engineering Controls:	Use general ventilation. Local exhaust is suggested for use, where possible, in enclosed or confined spaces.		

Personal Protective Equipment:

Skin Protection: No special requirements under normal use conditions.
Eye Protection: No special requirements under normal use conditions.
Respiratory Protection: No special requirements under normal use conditions.

Physical And Chemical Properties

Appearance: Clear light green liquid
Odor: Mild odor
PH: 9.2
Specific Gravity: 1.0 grams/ milliliter
Water Solubility: Complete
% Volatiles: >88
Vapor Pressure: Estimated less than air.
Vapor Density: Estimated less than air.

Material Safety Data Sheet

3/23/04

Physical And Chemical Properties, cont.

Evaporation Rate: Estimated slower than ethyl ether.

Stability And Reactivity

Chemical Stability: The product is stable.
Incompatibility: None known.
Hazardous Decomposition: Produces normal products of combustion.
Hazardous Polymerization: Will not occur

Toxicological Information

Immediate (Acute) Effects: None determined.
Delayed (Sub chronic And Chronic) Effects: None known.

Ecological Information

Ecotoxicological Information: Insufficient data.
Environmental Fate: Insufficient data.

Disposal Considerations

This material is not a hazardous waste defined by the U.S. Resource, Conservation and Recovery Act (RCRA), 40 CFR 261; however, only dispose of in accordance with applicable Federal, State and Local regulations.

Transportation Information

DOT and TDG Classification:
Proper Shipping Name: Non hazardous

Regulatory Information

Inventory Status

USA (TSCA)	Listed
Canada (DSL)	Listed
Europe (EINECS/ ELINCS)	Listed
Japan (ENCS)	Listed
Australia (AICS)	Listed
Korea (ECL)	Listed
Philippines (PICCS)	Listed
China	Listed

Additional Information

WHMIS Classification:	Not controlled under WHIMS
SARA Title III:	Not applicable
CERCLA Reportable Quantities:	Not applicable
California Proposition 65:	This product is not subject to the reporting requirements.

Other Information

HAZARD RATING HMIS	NFPA	
Health	1	1
Flammability	0	0
Reactivity	0	0
PPE		

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Manufacturer

Name: Von Schrader Company
Address: 1600 Junction Avenue
Racine, WI 53403

Product Information

Brand Name: Enzyme Carpet Shampoo
Product Type: Liquid Chemical Mixture
Usages: Carpet Cleaning

Composition /Information On Ingredients**Hazardous Ingredients**

Sodium Tripolyphosphate CAS RN 7758-29-0,
Sodium Lauryl Sulfate CAS RN 151-21-3,
Proteolytic enzyme CAS RN 9073-77-2
Nitrilotriacetic acid and its sodium salt CAS RN 18662-53-8.

Hazards Identification**Potential Health Effects**

Some individuals may have allergy irritation to the proteolytic enzyme.

Inhalation

Use adequate protection. Sodium Lauryl Sulfate is an inhalation irritant.

Skin Contact

Can be irritating. Sodium Tripolyphosphate may be moderately irritating to skin and mucous membranes.

Eye Contact

Sodium Tripolyphosphate and Sodium Lauryl Sulfate are eye irritants.

Ingestion

Nitrilotriacetic acid and its sodium salt are an irritant, TWA/TLV 1mg/m³ total dust. May prove harmful if inhaled or ingested. May cause nausea. Listed in NTP annual report.

First Aid Measures**Effects of Overexposure, Acute or Chronic Overexposure**

Not know. In the case of chronic overexposure, see hazardous ingredient list.

Inhalation

N/A

Skin

N/A

Eyes

Flush with water. Consult Physician.

Ingestion

Consult physician.

NOTE TO PHYSICIAN

pH of 1% solution is about 10.0

Fire Fighting Measures**Flammable Properties**

Flash point: N/A. No Autoignition Temperature.

Extinguishing Media

N/A, Special Fire Fighting Procedures - N/A, Unusual Fire and Explosion Hazard - N/A.

Handling and Storage

One should always use chemicals with an awareness of the potential hazard (known and unknown) of their effect on the human system. We urge users to minimize employee exposure to all chemicals, including this product, and to keep the level of exposure commensurate with good industrial hygiene practices.

Exposure Controls & Personal Protection

Inhalation

Avoid breathing dust. Provide Adequate mechanical ventilation.

Skin Contact

Neoprene or rubber gloves. No other specific clothing and equipment.

Eye Contact

Use Goggles.

Physical and Chemical Properties

Physical Data

Boiling Point (760 MM HG)	N/A
% Volatile	Less than 5
Solubility in Water	Approx. 20
pH Concentrate: (1% Sol.)	9.5 - 10
Evaporation Rate (butyl acetate = 1)	N/A
Specific Gravity	0.69/cc
Vapor Density (Air = 1)	N/A
Vapor Pressure (mm Hg)	N/A
Appearance and Odor	White powder - low odor

Stability and Reactivity

Chemical Stability

Stable.

Incompatibility or Hazardous Polymerization

No conditions contributing to hazardous polymerization. No incompatibilities.

Decomposition

Hazardous decomposition products: Not Known.

Disposal Considerations

Spill or Leak Procedures

Sweep up into trash or flush down sewer if permitted by Federal, State or Local regulations. No neutralizing chemicals required.

Waste Disposal Method

In accordance with Federal, State or Local regulations.

Other Information

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