

Section 1. Chemical Product and Company Information

Product #: 9552
Product Name: Natura Magic
Product Use: Peroxide Carpet Spotter
Distributor Name: Midlab, Inc.
Distributor Address: 232 Industrial Park Road
Sweetwater, TN 37874
Emergency Phone #: 1-800-835-5053 Intradec 24 hours
Date Prepared/Updated: 7-13-06
Hazardous Material Information System (HMIS)
Health: 2
Fire Hazard: 0
Reactivity: 1
Precautionary Label Statements: Warning
Section 2. Composition and Information on Ingredients

Ingredients	CAS#	%	Exposure Limits
Water	7732-18-5	70-80	Not Listed
Hydrogen Peroxide	7722-84-1	<5	1 ppm (1.4mg/m ³) TWAS OSHA 1 ppm TWAS ACGIH
Dipropylene Glycol Monobutyl Ether	5131-65-8	<5	Not Listed

Section 3. Hazards Identification
Route of Entry: Skin & eyes.
Potential Acute Health Effects: Causes irritation or burns to eyes and skin.
Section 4. First Aid Measures
Eye Contact: Causes irritation or burns to eyes. Flush immediately with water for 15 minutes being careful to flush behind the eyelids. Remove and discard contact lenses. If possible continue to flush eyes with running water until medical attention is received.
Inhalation: Accidental inhalation is not likely. Inhalation of concentrated vapors of this product may cause irritation or burns. Move victim to fresh air. Seek medical attention.
Skin: Irritating to skin; may cause burns on extended contact. Immediately flush affected area with running water for 15 minutes. Remove and discard contact lenses. Chronic exposure may cause liver, kidney and/or blood disorders.
Ingestion: Harmful if swallowed. Immediately drink large amounts of water and seek immediate medical attention. DO NOT INDUCE VOMITING. Never give anything to drink to an unconscious person.
Section 5. Fire Fighting Measures
Flashpoint: Not Applicable
Fire Fighting Media and Instructions: Extinguish with water spray or carbon dioxide; dry chemical powder or appropriate foam. Normal fire fighting procedure may be used.
Unusual Fire and Explosion Hazards: None known
Section 6. Accidental Release Measures
Personal Precautions: Put on appropriate personal protective equipment (see section 8).
Environmental Precautions: In the event of major spillage: Use appropriate containment to avoid environmental contamination. Collect spilled material. Place in suitable clean, dry containers for disposal by approved methods.
Section 7. Handling and Storage
Handling: Avoid contact with skin. Rubber, Nitrile, PVC or other chemically resistant skin protection to prevent contact. Use chemical splash goggles or glasses as necessary to prevent contact. For industrial use only.
Storage: Store in a cool well ventilated area. Keep from freezing. Keep out of reach of children
Section 8. Exposure Controls & Personal Protection:
Engineering Controls: None usually needed. General room ventilation is adequate
Personal Protection:
Eyes: Use chemical splash goggles or glasses as necessary to prevent contact.
Hands: Rubber, Nitrile, PVC or other chemically resistant skin protection to prevent contact.
Respiratory: Avoid breathing concentrated vapors. Use only in well ventilated areas.
Additional Measures: None specified
Listed Carcinogen: No ingredients listed by NTP, IARC or OSHA Subpart Z.
Medical Condition Aggravated: Persons with pre-existing skin or lung disorders may be more susceptible.

Section 9. Physical and Chemical Properties

Fragrance: None
Appearance: Liquid
Color: Clear
pH: 9.0-9.5
Specific Gravity: 1.01
Boiling/Condensation Point: Approximately 212°F
Melting/Freezing Point: Approximately 32°F
Solubility in Water: Complete at 25°C
Section 10. Stability and Reactivity
Stability and Reactivity: Stable
Conditions of Instability: None Known
Incompatibility with Various Substances: Avoid contamination with organic matter.
Decomposition Products Hazardous Polymerization: When exposed to fire: Produces normal products of combustion.
Section 11. Toxicological Information
Effects of Chronic Exposure: Chronic exposure may cause liver, kidney and/or blood disorders.
Section 12. Ecological Information None Known

Section 13. Disposal Considerations
Waste Information: Dispose of all wastes according to all federal, state and local legislation

Section 14. Transport Information
DOT Classification: NOI Non-Hazardous
Section 15. Regulatory Information
Reporting in this section is based on ingredients disclosed in Section 2

U.S. Regulation: Not Regulated

Federal: Not Regulated

State: Not Regulated

Registered Product Information: Not Registered Product
Sara Section 313: Toxic Release Inventory Reporting
The reportable quantity for Hydrogen Peroxide is 1000 lbs. per CERCLA.

Sara Section 312 Registered Product Information: Immediate (Acute), Delayed (Chronic) Health Hazards, Reactive Hazard

Section 16. Other Information

Other Special Considerations: None reported
Manufacturer: Midlab, Inc.
Address: 232 Industrial Park Road
Sweetwater, TN 37874

Product #9552

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9552

Distributed By: KEL-SAN, INC.
2000 NATIONAL DR., KNOXVILLE, TN 37914

M29552-0012

MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA's Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND MANUFACTURER'S INFORMATION						
NFPA Rating: Health-1; Flammability-1; Reactivity-0; Special-- Manufactured For: Hillyard Industries, Inc. Address: 302 N. 4th Street Address: St. Joseph, MO 64501 Phone: (816)-233-1321 ext. 8288 or http://www.hillyard.com EMERGENCY RESPONSE NUMBER: Chemtrac 1-800-424-9300 NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA			HMS Rating: Health-1; Flammability-1; Reactivity-0; Personal Protection-2 DOT Hazard Classification: ORM-D Identity (trade name as used on label): CARPET SPOTTER Part# HIL0102964 MSDS Number: A00173 Revision: -8 Date Prepared: 07/02/04 Prepared By: TR/IB Information Calls: (770) 422-2071			
SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION						
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)		CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
ISOBUTANE / PROPANE BLEND		75-28-5	No	800	800	d
ISOPROPANOL		74-98-6	No	1000	1000	d
2-BUTOXYETHANOL		67-83-0	No	400	400	d
ACETONE		111-76-2	Yes*	25 (skin)	20 (skin)	d
PROPYLENE GLYCOL PHENYL ETHER		67-84-1	No	1000	750	d
DIPROPYLENE GLYCOL METHYL ETHER		770-35-4	No	NE	NE	d
*GLYCOL ETHER		34590-94-8	No	NE	NE	d
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS						
Boiling Point: N/A Vapor Pressure: PSIG @ 70°F (Aerosols): Max.60 Vapor Density (Air = 1): N/E Solubility in Water: Soluble Appearance and Odor: Clear spray with sweet fragrance.			Specific Gravity (H₂O=1): Concentrate Only = 0.885 Vapor Pressure (Non-Aerosol)(mm Hg and Temperature): N/A Evaporation Rate (= 1): N/E Water Reactive: No			
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA						
FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols): 12 inch projection (not categorized as flammable) FLASH POINT AND METHOD USED (non-aerosols): N/A SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus. Unusual Fire & Explosion Hazards: Do not expose aerosols to temperatures above 130°F or the container may rupture.			Auto Ignition Temperature N/E		Flammability Limits in Air by % in Volume: % LEL: N/E % UEL: N/E	
EXTINGUISHER MEDIA: Foam, dry chemical, carbon dioxide, water.						
SECTION 4 - REACTIVITY HAZARD DATA						
STABILITY [X] STABLE [] UNSTABLE Incompatibility (Met. to avoid): Strong oxidizers Hazardous Decomposition Products: Carbon monoxide, carbon dioxide and trace oxides of nitrogen.			HAZARDOUS POLYMERIZATION [] WILL [X] WILL NOT OCCUR Conditions to Avoid: Open flame, welding arcs, heat.			
SECTION 5 - HEALTH HAZARD DATA						
PRIMARY ROUTES OF ENTRY: [X] INHALATION [] INGESTION [X] SKIN ABSORPTION [] EYE [] NOT HAZARDOUS						
ACUTE EFFECTS Inhalation: Excessive inhalation of vapors can be harmful and may cause headache, dizziness, asphyxia, anesthetic effects and possible unconsciousness. Eye Contact: Slight irritation. Skin Contact: Slight irritation. Prolonged contact increases irritation and skin absorption. Ingestion: Possible chemical pneumonia if aspirated into lungs. Nausea.						
CHRONIC EFFECTS: Excessive and prolonged over-exposure may cause damage to nasal & respiratory passages, throat & esophagus. Lab animals have experienced anemia, liver, kidney, lung, blood damage to 2-butoxyethanol.						
Medical Conditions Generally Aggravated by Exposure: May aggravate existing eye, skin, or upper respiratory conditions.						
EMERGENCY FIRST AID PROCEDURES						
Eye Contact: Flush with water for 15 minutes. If irritated, seek medical attention. Skin Contact: Remove contaminated clothing. Wash with soap and water. If irritated, seek medical attention. Launder contaminated clothing before re-use. Inhalation: Remove to fresh air. Resuscitate if necessary. Get medical attention. Ingestion: DO NOT INDUCE VOMITING. Drink two large glasses of water. Get immediate medical attention.						
SECTION 6 - CONTROL AND PROTECTIVE MEASURES						
Respiratory Protection (specify type): If vapor concentration exceeds TLV, use respirator approved by NIOSH to be used in positive pressure mode. Protective Gloves: Disposable latex gloves suggested. Eye Protection: Safety glasses recommended. Ventilation Requirements: Adequate ventilation to keep vapor concentration below TLV. Other Protective Clothing & Equipment: None Hygienic Work Practices: Wash with soap and water before handling food. Remove contaminated clothing.						
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE						
Steps To Be Taken if Material is Spilled Or Released: Flush to sewer with water. Waste Disposal Methods: Aerosol cans when vented to atmospheric pressure through normal use, pose no disposal hazard. Precautions To Be Taken in Handling & Storage: Do not puncture or incinerate containers. Do not store at temperatures above 130°F. Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Avoid food contamination. Avoid breathing vapors.						

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.
 ** Chemical Listed as Carcinogen or Potential Carcinogen. (a) NTP (b) IARC Monograph (c) OSHA (d) Not Listed (e) Animal Data Only



Spartan Chemical Company, Inc.

Material Safety Data Sheet

▼ SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):

CARPET STAIN REMOVER (AEROSOL)

Product Number: 6374

Product Division:

Janitorial

Spartan Chemical Company, Inc.

1110 Spartan Drive
Maumee OH 43537

Product/Technical Information: 1-(800)-537-8900

Information:

Medical Emergency: 1-(888)-314-6171 (24 hours)

Chemical Leak/Spill: CHEMTREC 1-(800) 424-9300 (24 hours)
Emergency: hours

Shipping Description: ORM-D, Consumer commodity, cleaning compounds, aerosol, n.o.s.

NFPA Ratings:		HMIS Ratings:	
Health:	1 - Slight	Health:	*1 - Slight; Chronic Hazard
Fire:	0 - Minimal	Fire:	0 - Minimal
Reactivity:	1 - Slight	Reactivity:	1 - Slight
		Pers. Prot. Equip.:	See Section VIII

▼ SECTION II: HAZARDOUS INGREDIENTS

(Listed when present at 1% or greater, carcinogens at 0.1% or greater) All component chemicals are listed or exempted from listing on the "TSCA Inventory" of chemical substances maintained by the U.S. Environmental Protection Agency.

Chemical Name(s)	% W	CAS Registry No.	Table Z-1 - A			NTP, IARC or OSHA Carcinogen
			TWA mg/m ³	STEL mg/m ³	CEILING mg/m ³	
*2-Butoxyethanol	10-15	111-76-2	240 (skin) 96	Not Established	Not Established	No
Isobutane	5-10	75-28-5	1900 (NIOSH)	Not Established	Not Established	No
Phosphate ester	1-5	39464-70-5	Not Established	Not Established	Not Established	No
Disodium monococamido mipa- sulfosuccinate	1-5	68515-65-1	Not Established	Not Established	Not Established	No

Comment: *This substance is subject to the reporting requirements of Section 311 of the Emergency Planning and Community Right-To-Know Act of 1986 (SARA) and of 40 CFR 372.

▼ **SECTION III: PHYSICAL DATA**

Boiling Point:	(Concentrate) 210-212 °F	Vapor Pressure:	Not Established
Vapor Density (AIR = 1):	Not Established	Solubility in Water:	Complete
pH:	8.0-9.0	Specific Gravity (H ₂ O=1):	0.99 (concentrate)
Evaporation Rate (but. ace.=1):	<1	Percent Solid by Weight:	1.5
Physical State:	Liquid		
Appearance & Odor: Clear pale yellow liquid, solvent odor			

▼ **SECTION IV: FIRE & EXPLOSIVE HAZARD DATA**

Flash Point:	Propellant: < 0°F	Method Used:	ASTM-D3065
Flammable Limits:	Not Established	Flame Extension:	0"
			NFPA 30 B Storage Level Aerosol.
Extinguishing Media:	Water, Carbon dioxide, Dry Chemical.		
Special Fire Fighting Procedures:	Water may be used to cool closed containers to prevent pressure build-up and possible rupture, venting or bursting of containers. Use equipment or shielding required to protect personnel against bursting, rupturing or venting containers.		
Unusual Fire & Explosive Hazards:	At elevated temperatures (130 °F/ 54°C) containers may vent, rupture or burst.		

▼ **SECTION V: HEALTH HAZARD DATA**

Threshold Limit Value:	Not Established	Primary Routes of Entry:	Inhalation, Skin Contact, Eyes and Oral.
Effects of Overexposure-Conditions to Avoid:	MAY CAUSE EYE AND SKIN IRRITATION: Symptoms may include pain, redness and swelling. May be harmful if absorbed through the skin. MAY BE HARMFUL IF SWALLOWED. Symptoms may include nausea, vomiting, pain and diarrhea. INHALATION OF VAPORS OR SPRAY MIST MAY CAUSE RESPIRATORY IRRITATION. Contains 2-butoxyethanol which may cause central nervous system depression with symptoms such as headache; dizziness; nausea and drowsiness. Exposure to 2-butoxyethanol may cause blood cell; liver and kidney damage based on animal data. Avoid contact with eyes and skin and clothing. Do not swallow. Avoid breathing product mist. Wash thoroughly with soap and water after handling.		
Conditions Aggravated by Use:	Use of this product may aggravate preexisting skin, eye and respiratory disorders including asthma and dermatitis.		

Emergency & First Aid Procedures:

Eyes:	In case of contact; immediately flush eyes with water for at least 15 minutes. Remove contact lenses. Get medical attention if irritation persists.
Skin:	In case of contact; immediately flush skin with water for at least 15 minutes. Get medical attention if irritation persists.
Ingestion:	Do not induce vomiting. Drink one or two glasses of water to dilute product. Get medical attention. Do not give anything by mouth to an unconscious.

	person.
Inhalation:	In case of respiratory irritation; move person to fresh air. Get medical attention if irritation persists.

MATERIAL SAFETY DATA SHEET

Section 1. Chemical Product and Company Information		Section 9. Physical and Chemical Properties	
Product #:	QC 902	Appearance:	None
Product Name:	Eraser All Purpose Spotter	Physical State:	Liquid
Product Use:	Carpet Stain Remover	Color:	Clear Blue
Distributor Name:	Bright Solutions	pH:	9.0-9.9
Distributor Address:	4111 South Creek Road Chattanooga, TN 37405	Specific Gravity:	1.00
Emergency Phone #:	1-800-535-5053 Intotrac	Boiling/Condensation Point:	212 Degrees F
Date Prepared/Updated:	7-1-04	Melting/Freezing Point:	32 Degrees F
Hazardous Material Information System (HMIS):		Solubility in Water:	Complete at 25 Degrees C
Health:	1	Section 10. Stability and Reactivity	
Fire Hazard:	0	Stability and Reactivity:	Stable
Reactivity:	0	Conditions of Instability:	None Known
Precautionary Label Statements:	Caution	Incompatibility with Various Substances:	None Known
		Decomposition Products Hazardous Polymerization:	When exposed to fire: Produces normal products of combustion.
Section 2. Composition and Information on Ingredients		Section 11. Toxicological Information	
Ingredients	QAS#	Effects of Chronic Exposure:	None Known
Water	7732-18-5		
2-(2-Methoxyethoxy) Ethanol	111-77-3	Section 12. Ecological Information:	None Known
Sodium Thiosulfate	10102-17-7	Section 13. Disposal Considerations:	Dispose of all wastes according to all federal state and local legislation.
Poly(Oxyethylene/Oxypropylene)	9003-11-6	Section 14. Transport Information	
Glycol Ether		DOT Classification:	NOI Non-Hazardous
Section 3. Hazards Identification		Section 15. Regulatory Information	
Route of Entry:	Eyes	Reporting in this section is based on ingredients disclosed in Section 2	
Potential Acute Health Effects:	None known	U.S. Regulation	Not Regulated.
Eye Contact:	Flush immediately with water for 15 minutes being careful to flush behind the eyelids. Seek medical attention if irritation persists or develops	Federal:	Not Regulated.
Inhalation:	No harmful effects expected	State:	Not Regulated.
Skin Contact:	No harmful effects expected. Prolonged or repeated contact may dry skin and cause irritation	Registered Product Information:	Not EPA Registered.
Ingestion:	Immediately drink plenty of water. If discomfort persists, get medical attention.	Sara Section 312:	
Section 5. Fire Fighting Measures		Immediate (Acute) Health	
Flashpoint:	N/A		
Fire Fighting Media and Instructions:	Method: Tag Open Cup Extinguish with water spray or carbon dioxide; dry chemical powder or appropriate foam. Normal fire fighting procedure may be used.		
Unusual Fire and Explosion Hazards:	None Known		
Section 6. Accidental Release Measures		Sara Section 313: Toxic Release Inventory Reporting	
Personal Precautions:	Put on appropriate personal protective equipment (see section 8).	Contains 2.0% Glycol Ethers, which as a class, are regulated under SARA	
Environmental Precautions:	In the event of major spillage: Use appropriate containment to avoid environmental contamination. Collect spilled material. Place in suitable clean, dry containers for disposal by approved methods. Use a water rinse for final clean up.	Registered Product Information:	Section 313 Toxic Release Reporting Requirements.
Section 7. Handling and Storage		Section 16. Other Information None reported.	
Handling:	Avoid contact with eyes. Use appropriate hygiene methods when handling product. For industrial use only.	Other Special Considerations:	None reported.
Storage:	Store in a cool well ventilated area. Protect from freezing. Keep out of reach of children	Manufacture:	Midlab, Inc
Section 8. Exposure Controls & Personal Protection:		Primary Distributor:	Kelsan, Inc.
Engineering Controls:	None usually needed. General room ventilation is adequate.	Address:	280 Industrial Park Road Sweetwater, TN 37874
Personal Protection:			
Eyes:	No special requirements under normal use conditions.	Version:	1
Hands:	No special requirements under normal use conditions	Notice to Reader: This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied as to the accuracy of the information contained herein. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any particular use and must comply with all federal, state, Provincial and Local Laws and Regulations.	
Respiratory:	No special requirements under normal use conditions		
Additional Measures:	N/A		
Listed Carcinogen:	No ingredients listed by NTP, IARC or OSHA Subpart Z.		
Medical Condition Aggravated:	Persons with pre-existing skin disorders may be susceptible to irritating effects		

Product #0902

BSL9020012

Carpet Spatter

MATERIALS SAFETY DATA SHEETS

HHS RATING May be used to comply with OSHA's
HEALTH 2 Hazard Communication Standard, 29
FLAMMABILITY 1 CFR 1910.1200. Standard must be
REACTIVITY 1 consulted for specific requirements.

IDENTITY (as used on label and list)
TWIN JOB II

SECTION I

American Continental Techlabs Inc	EMERGENCY TELEPHONE NUMBER (615)984-8701
ADDRESS AND ZIP 1625 Robert C Jackson St Maryville TN 37801	DATE PREPARED October 22, 1991

SECTION II - HAZARDOUS INGREDIENTS INFORMATION

Hazardous Components	CAS#	OSHA PEL	ACGIH TLV
*Isopropanol Anhydrous	CAS#67-63-0	400ppm	400ppm
Sodium Tripolyphosphate	CAS#7758-29-4	NE	NE
Sodium Carbonate	CAS#497-19-8	10mg/m3	10mg/m3
Sodium Hyposulfite, Hypo	CAS#7772-98-7	NL	NL
Tergital Nonionic Surfactant NP10	CAS#26027-38-3	NE	NE

*Contents are reportable under SARA Title III.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	Specific Gravity (H2O = 1)
N/A	.95
Vapor Pressure (mm Hg,)	Melting Point
N/A	N/A
Vapor Density (air = 1)	Evaporation Rate (Butyl Acetate = 1)
N/A	N/A
Solubility in Water	
Complete	
Appearance and Odor	
Clear Liquid, Lemon Odor	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method used)	Flammable Limits	LEL	UEL
None	N/A		
Extinguishing Media			
None Necessary			
Special Fire Fighting Procedures			
None			
Unusual Fire and Explosion Hazards			

SECTION V - REACTIVITY DATA

Stability Unstable

Conditions to avoid N/A

Stable XX

Incompatibility (materials to avoid)

N/A

Hazardous Polymerization

May Occur

Conditions to avoid N/A

Will Not Occur XX

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry:

Inhalation?

Skin?

Ingestion?

Eyes

Yes

Yes

Yes

Health Hazards (acute or chronic)

None Determined

Carcinogenicity:

NTP?

IARC Monographs?

OSHA Regulated?

N/A

Signs and Symptoms of Exposure

Mild irritation of skin and eyes.

Medical Conditions Generally Aggravated by Exposure

None Determined

Emergency and First Aid Procedures

Eye Contact: Flush with water, for 15 minutes.

Skin Contact: Clean with soap and water.

Inhalation: If bothersome move to fresh air.

Ingestion: Induce vomiting and consult a physician.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case material released or spilled

Small spills squeegee or mop into drain and flush with large quantities of water. Large spills pick up with absorbant material such as clay or sawdust.

Waste Disposal Method

Incinerate or sanitary landfill. Follow all local, state and federal regulations.

Precautions to be taken in handling and storing

General Warehousing

Other Precautions

Keep out of reach of children.

SECTION VIII - CONTROL MEASURES

Respiratory Protection (Specify Type)

Ventilation Local Exhaust Adequate Special
Mechanical (General) Adequate

Protective Gloves

Eye Protection

N/A

N/A

Other Protective clothing and Equipment

None Known

Work/Hygienic Practices

Normal good housekeeping and Manufacturing Procedures.

MATERIAL SAFETY DATA SHEET
OSHA Hazard Communication Standard
29 CFR 1910.1200

14041-A

Section I

Product Name: CARPET RENEW	Manufacture by: Taylor Laboratories, Inc.
Chemical Name: N/A	Address: P.O. Box 15146, Chattanooga, TN 37415
Chemical Family: Carpet Cleaner and Deodorizer	Business Phone: 615-267-5601
Chemical Formula: Mixture	Emergency Phone: 615-267-5601
Date Prepared: 9/14/89	Poison Control Center: Memphis, 901-528-6048

Department of Transportation Federal Motor Carrier Hazardous Material Shipping Regulations

Proper Shipping Name: Not regulated	Hazard Classification: Not regulated
Identification Number: not regulated	For Transportation Emergencies, Call: Chemtrec 1-800-424-9300

Section II - Hazardous Ingredients/Identity Information

HAZARDOUS COMPONENT	CAS NUMBER	OSHA PEL	ACGIH TLV	COMMENTS
2-Butoxyethanol Non-ionic surfactants	111-76-2 N/A	N/A N/A	25 ppm N/A	Title III Section 313 Eye Irritation Hazard

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals appearing in 40 CFR 372 (Section 313). Section 313 information must be included in all MSDS's that are copied and distributed to end-users. For help and additional information concerning Title III call the EPA Hotline at 1-800-535-0202.

Section 313 Component	Percent Range	Section 313 Component	Percent Range
2-Butoxyethanol	2.0-4.0%		

Section III - Physical/Chemical Characteristics

Boiling Point: 213 degrees F	Vapor Pressure (mm Hg): N/A	Summary of Hazard Rating (HMIS)		
Freezing Point: N/A	Vapor Density: N/A	Hazard	Rating	Key
Melting Point: N/A	Evaporation Rate: N/A	Health: Fire and explosion: Reactivity:	1 0 0	0-Minimal 3-High 1-Slight 4-Extreme 2-Moderate
Solubility in Water: Excellent	Specific Gravity (H2O=1): 1.094			

Appearance and Odor: Clear, colorless liquid with a deodorizer type odor.

Section IV - Fire and Explosion Data

Flash Point (method): Not combustible	Flammable Limits in Air, % by Vol.	LEL N/A	UEL N/A
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Extinguishing Media: Use appropriate media for surrounding structures and containers.

Special Fire Fighting Procedures: As with all chemical fires, wear self-contained breathing apparatus in confined areas or where smoke or fumes can drift or accumulate.

Unusual Fire and Explosion Hazard: N/A

Section V - Reactivity Data

Stability (unstable/stable): Stable	Hazardous Polymerization: Will not occur
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Stability Conditions to Avoid: High temperatures

Incompatibility (Materials to Avoid): N/A

Hazardous Decomposition or By-products: Carbon monoxide and/or carbon dioxide may be evolved under extreme conditions.

Section VI - Health Hazard Data

Threshold Limit Value: Not established

Route(s) of Entry: Inhalation? Yes Skin? Yes Ingestion? Yes

Health Hazards-Acute: Eyes-Cause moderate irritation. Skin-Cause irritation or dermatitis caused by defatting of skin. Prolonged exposures may allow 2-Butoxyethanol to be absorbed resulting in possible hemoglobinuria. Ingestion-may cause irritation, nausea, diarrhea, vomiting. Inhalation-may irritate nose, throat, mucous membranes. Prolonged inhalation, ingestion or severe exposures can cause hemolysis (destruction of red blood cells), kidney damage, or liver damage.
Health Hazards-Chronic: N/A

Carcinogenicity: Not carcinogenic OSHA Regulated? Not carcinogenic NTP? Not carcinogenic

Effects of Overexposure: Causes irritation to skin, eyes, mucous membranes, digestive system, and respiratory system. Skin absorption of 2-Butoxyethanol is possible in severe or prolonged exposures. Toxic by ingestion.

Emergency and First Aid Procedures:

Ingestion(swallowing): DO NOT INDUCE VOMITING! Drink 1 to 2 glasses of water or milk to dilute. Seek immediate medical attention.

Skin Contact: Flush area thoroughly with running water. Seek medical attention if irritation persists.

Eye Contact: Flush eyes thoroughly with running water for at least 15 minutes. Seek medical attention immediately.

Section VII - Spill or Leak Procedures

Steps To Be Taken In Case Material Is Released or Spilled: Obtain and wear protective equipment. Small spills may be flushed into a sewer connected to a private or municipal treatment facility. Follow with sufficient water to flush system. For large spills, dike the area with sand or adsorbent material. Pump over into a DOT-approved salvage drum. Place contaminated adsorbent in a suitable container for disposal.

Waste Disposal Method: This product contains material listed in EPA SARA Title III regulations. Contact Federal, state, and local authorities for current disposal and reporting requirements.

Section VIII - Special Protection Information

Respiratory Protection(specify type): Maintain adequate ventilation to prevent concentrations of vapors and mist above the TLV. If vapors or mists cannot be controlled, wear an approved respirator with an organic cartridge. Use caution when using materials on hot surfaces as this increases the evaporation rate producing additional quantities of vapors.

Ventilation: Provide sufficient ventilation to prevent accumulations of vapors and mists.

Local Exhaust: Provide local exhaust if general ventilation is insufficient to control vapors.

Mechanical(general): Maintain adequate ventilation to prevent accumulations of vapors and mist.

Protective gloves: Wear rubber gloves to prevent skin contact irritation and skin absorption.

Eye Protection: Wear safety glasses or goggles to prevent eye contact.

Other Protective Equipment: An eye wash and safety shower should be provided near the point of use.

Section IX - Special Precautions

Precautions To Be Taken in Handling and Storage: Do not freeze. Wear suitable protective equipment and clothing. Wash contaminated clothing thoroughly before reuse. Wash hands thoroughly after handling.

Other precautions: Keep out of reach of children.

Section X - User Responsibility

The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment.

The information contained herein is, to the best of our knowledge and belief, accurate. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.

MATERIAL SAFETY DATA SHEET OSHA Hazard Communication Standard 29 CFR 1910.1200				
Section I				
Product Name: Twin Job		Distributed By: AMERICAN CONTINENTAL TECH Address: 1625 ROBERT C JACKSON ST, HARTVILLE, TN 37001 Phone: (865) 984-8701		
Product Code: LP-2202				
Chemical Family: Fabric Stain Remover				
Chemical Formula: Mixture				
HSDS Revision Date: 06/28/99				
Department of Transportation Federal Motor Carrier Hazardous Material Shipping Regulations				
Proper Shipping Name: Not regulated		Hazard Classification: Not regulated		
Identification Number: Not regulated		For Transportation Emergencies, Call: Chemtrec 1-800-424-9300		
Section II - Hazardous Ingredients/Identify Information				
HAZARDOUS COMPONENT	CAS NUMBER	OSHA PEL	ACGIH TLV	COMMENTS
2-Butoxyethanol	117-76-2	25 ppm N.E.	25 ppm N.E.	SARA Title III Section 313 Eye irritation hazard Eye irritation hazard Eye irritation hazard
Non-ionic surfactants	N/A	N.E.	N.E.	
Complexing Agents	N/A	N.E.	N.E.	
SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals appearing in 40 CFR 372 (Section 313). Section 313 information must be included in all HSDS's that are copied and distributed to end-users. For help and additional information concerning Title III call the EPA Hotline at 1-800-555-0202.				
Section 313 Component	Percent Range	Section 313 Component		Percent Range
2-Butoxyethanol	2.0 - 4.0 %			
Section III - Physical/Chemical Characteristics				
Boiling Point: 212 degrees F	Vapor Pressure (mm Hg): N/A	Summary of Hazard Rating (HMIS)		
Freezing Point: N/A	Vapor Density: N/A	Hazard	Rating	Key
DM (1%): 9.00	Evaporation Rate: N/A	Health:	2	0-Minimal 3-High
Solubility in Water: Excellent	Specific Gravity: 1.07	Fire and explosion:	0	1-Slight 4-Extreme
Appearance and odor: Clear, colorless liquid with a detergent type odor.		Reactivity:	0	2-Moderate
Section IV - Fire and Explosion Data				
Flash Point (method): Not combustible		Flammable Limits (in Air, % by Vol.)	LEL N/A	UEL N/A
Extinguishing Media: Use appropriate media for surrounding structures and containers.				
Special Fire Fighting Procedures: As with all chemical fires, wear self-contained breathing apparatus in confined areas or where smoke or fumes can drift or accumulate.				
Unusual Fire and Explosion Hazard: N/A				
Section V - Reactivity Data				
Stability (unstable/stable): Stable		Hazardous Polymerization: Will not occur		
Stability conditions to Avoid: High temperatures				
Incompatibility (Materials to Avoid): N/A				
Hazardous Decomposition or By-products: Carbon monoxide and/or carbon dioxide may be evolved under extreme conditions.				

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Section VI - Health Hazard Data			
Threshold Limit Value: Not established			
Route(s) of Entry: Inhalation? Yes Skin? Yes Ingestion? Yes			
Health Hazards-Acute: Eyes-Cause moderate irritation. Skin-Cause irritation or dermatitis caused by defatting of skin. Prolonged exposures may allow 2-butoxyethanol to be absorbed resulting in possible hemoglobinuria. Ingestion may cause irritation, nausea, diarrhea, vomiting. Inhalation may irritate nose, throat, mucous membranes. Prolonged inhalation, ingestion or severe exposures can cause hemolysis (destruction of red blood cells), kidney damage, or liver damage.			
Health Hazards-Chronic: N/A			
Carcinogenicity: Not carcinogenic OSHA Regulated? Not carcinogenic NTP? Not carcinogenic			
Effects of Overexposure: Causes irritation to skin, eyes, mucous membranes, digestive system, and respiratory system. Skin absorption of 2-butoxyethanol is possible in severe or prolonged exposures. Toxic by ingestion.			
Emergency and First Aid Procedures:			
Ingestion(swallowing): DO NOT INDUCE VOMITING! Drink 1 to 2 glasses of water or milk to dilute. Seek immediate medical attention. If vomiting does occur, keep victim's head below his/her hips to prevent breathing of liquid into lungs (aspiration hazard).			
Skin Contact: Flush area thoroughly with large amounts of running water. Seek medical attention if irritation develops.			
Eye Contact: Flush eyes thoroughly with running water for at least 15 minutes. Seek medical attention immediately.			
Section VII - Spill or Leak Procedures			
Steps to be Taken in Case Material is Released or Spilled: Obtain and wear protective equipment. Small spills may be flushed into a sewer connected to a private or municipal treatment facility, if approved by the local, state, and federal regulations. Follow with sufficient water to flush system. For large spills, dike the area with sand or adsorbent material. Pump over into a DOT-approved salvage drum. Place contaminated absorbent in a suitable container for disposal.			
Waste Disposal Method: This product contains material listed in EPA SARA Title III regulations. Contact Federal, state, and local authorities for current disposal and reporting requirements.			
Section VIII - Special Protection Information			
Respiratory Protection(specify type): Maintain adequate ventilation to prevent concentrations of vapors and mist above the TLV. If vapors or mists cannot be controlled, wear an approved respirator with an organic cartridge. Use caution when using materials on hot surfaces as this increases the evaporation rate producing additional quantities of vapors.			
Ventilation: Provide sufficient ventilation to prevent accumulations of vapors and mists.			
Local Exhaust: Provide local exhaust if general ventilation is insufficient to control vapors.			
Mechanical(general): Maintain adequate ventilation to prevent accumulations of vapors and mist.			
Protective gloves: Wear rubber gloves to prevent skin contact irritation and skin absorption.			
Eye Protection: Wear safety glasses or goggles to prevent eye contact.			
Other Protective Equipment: An eye wash and safety shower should be provided near the point of use.			
Section IX - Special Precautions			
Precautions to be Taken in Handling and Storage: Do not freeze. Wear suitable protective equipment and clothing. Wash contaminated clothing thoroughly before reuse. Wash hands thoroughly after handling.			
Other precautions: Keep out of reach of children.			
Section X - User Responsibility			
The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. It is the responsibility of the user to comply with all applicable federal, state, and local laws and regulations.			