MATERIAL SAFETY DATA SHEET

TANNIN Spotter Plus

Version Number: 2 Preparation date: 2005-11-09

1. PRODUCT AND COMPANY IDENTIFICATION	
Product name:	TANNIN Spotter Plus
MSDS #:	MS0600183
Product code:	U23030
Recommended use:	Carpet Care.
Manufacturer, importer, supplier: Unisource Worldwide, Inc. 6600 Governors Lake Parkway Norcross, GA 30071 Phone: 770-447-9000 MSDS Internet Address: www.unisourcelink.com	
Emergency telephone number:	1-888-660-6737

2. HAZARDS IDENTIFICATION	
EMERGENCY OVERVIEW • CAUTION • MAY BE MILDLY IRRITATING TO EYES • MAY BE MILDLY IRRITATING TO SKIN	
Principle routes of exposure:	• Eye contact • Skin contact • Inhalation
Eye contact:	• May be mildly irritating to eyes
Skin contact:	• May be mildly irritating to skin
Inhalation:	• None known
Ingestion:	• None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS

Ingredient(s)	CAS #	Weight %
Ammonium hydroxide	1336-21-6	0.1 - 1.5%
Citric acid	77-92-9	5 - 10%
Diethylene glycol butyl ether	112-34-5	5 - 10%

HAZARDOUS COMPONENTS

Ingredient(s)	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ammonium hydroxide	350 mg/kg (rat)	Not available	Not available
Citric acid	3 g/kg (rat)	Not available	Not available
Diethylene glycol butyl ether	4500 mg/kg (rat)	2700 mg/kg (rabbit)	Not available

4. FIRST AID MEASURES	
Eye contact:	• Flush immediately with plenty of water • Get medical attention if irritation occurs
Skin contact:	• Flush immediately with plenty of water • Get medical attention if irritation occurs
Inhalation:	• No specific first aid measures are required
Ingestion:	• No specific first aid measures are required
Aggravated Medical Conditions:	• None known

5. FIRE-FIGHTING MEASURES	
Suitable extinguishing media:	• Dry chemical, water spray, foam, carbon dioxide
Specific hazards:	• Not applicable

Unusual hazards:	• None known
Specific methods:	• No special methods required

Special protective equipment for firefighters:
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Extinguishing media which must not be used for safety reasons:
No information available

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	• Use personal protective equipment
Environmental precautions and clean-up methods:	• Use appropriate containment to avoid environmental contamination • Sweep up and shovel into suitable containers for disposal • Keep in suitable and closed containers for disposal • Use a water rinse for final clean-up

7. HANDLING AND STORAGE

Handling:	• Avoid contact with skin and eyes
	FOR COMMERCIAL AND INDUSTRIAL USE ONLY.
Storage:	• Protect from freezing • Store in a cool, dry, well ventilated area away from heat or open flame • Keep out of the reach of children

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure:
- No special ventilation requirements
- General room ventilation is adequate

Personal Protective Equipment

Eye protection:	• No special requirements under normal use conditions
Hand protection:	• No special requirements under normal use conditions
Skin and body protection:	• No special protective clothing is required
Respiratory protection:	• No special requirements under normal use conditions
Hygiene measures:	• Handle in accordance with good industrial hygiene and safety practice

Personal protective equipment None Required

Ingredient(s)	CAS #	ACGIH	OSHA	Mexico
Ammonium hydroxide	1336-21-6	35 ppm (STEL) 25 ppm (TWA)	35 mg/m^3 50 ppm	27 mg/m^3 (STEL) 18 mg/m^3 (TWA)

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	**Appearance:**	Aqueous solution
Color:	Clear Colourless	**Odor:**	Fruity
Specific gravity:	No information available	**pH:**	3-3.4
Dilution pH:	No information available.	**Density:**	8.6 lbs/gal
Bulk density:	No information available	**Vapor density:**	No information available
Evaporation rate:	No information available	**Solubility:**	No information available
VOC:	No information available	**Viscosity:**	No information available

Solubility in other solvents:	No information available
Partition coefficient (n-octanol/water):	No information available
Boiling point/range:	Not determined
Melting point/range:	Not determined
Flash point:	>200 (°F) >93.3 (°C)

Decomposition temperature:	Not determined
Autoignition temperature:	No information available

10. STABILITY AND REACTIVITY

Stability:	• The product is stable
Polymerization:	• Hazardous polymerisation does not occur.
Hazardous decomposition products:	• None reasonably foreseeable.
Conditions to avoid:	• Do not freeze

11. TOXICOLOGICAL INFORMATION

Acute toxicity	Oral LD50 estimated to be greater than 5000 mg/kg
Component Information:	• See Section 3
Chronic toxicity:	• None known
Specific effects	
Carcinogenic effects:	• None known
Mutagenic effects:	• None known
Reproductive toxicity:	• None known
Target organ effects:	• None known

12. ECOLOGICAL INFORMATION

Environmental Information:	• When used for its intended purpose this product should not cause adverse effects in the environment

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:	• Dispose of according to all federal, state and local applicable regulations

14. TRANSPORT INFORMATION

DOT/TDG:	• Please refer to the Bill of Lading/receiving documents for up to date shipping information

15. REGULATORY INFORMATION

International Inventories

All components of this product are listed on the following inventories: U.S.A. (TSCA).

U.S. Regulations

California Proposition 65: This product is not subject to the reporting requirements under California's Proposition 65

SARA 311/312 Hazard Categories	
Immediate:	N
Delayed:	N
Fire:	N
Reactivity:	N
Sudden Release of Pressure:	N

Canada	
WHMIS hazard class:	Not for sale in Canada.

STATE RIGHT TO KNOW

Ingredient(s)	CAS #	NJRTK:	MARTK:	PARTK:	RIRTK:	ILRTK:	CTRTK:
Water	7732-18-5	-	-	-	-	-	-
Citric acid	77-92-9	-	-	-	-	-	-
Sodium xylene sulfonate	1300-72-7	-	-	-	-	-	-
Diethylene glycol butyl ether	112-34-5	Listed	-	Listed	-	-	-
Fatty Alcohol Ethoxylate	TS*	-	-	-	-	-	-

CERCLA / SARA

Ingredient(s)	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Diethylene glycol butyl ether	112-34-5	5 - 10%			Listed.

16. OTHER INFORMATION

HMIS	**Health**	1	**Fire Hazard**	0	**Reactivity**	0
NFPA	**Health:**	1	**Flammability:**	0	**Instability:**	0

Reason for revision:	Not applicable
Prepared by:	NAPRAC
Additional advice:	None

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