


**MATERIAL SAFETY DATA SHEET**  
**According to EC Directive 2001/58/EC**

1.	<b><u>Identification of the substances or preparation and of the company</u></b>												
1.1	Identification of the preparation: <b>Tannin Spotter</b> Date of revision : May 13, 2009												
1.2	Company identification: Chemspec Europe Unit 36C, Tong Park Otley Road, Baildon West Yorkshire BD17 7QD UK Tel: 01274 597333 Fax: 01274 597444												
1.3	Emergency telephone number, official advisory bodies:												
1.3.1	For medical emergency call Chemtrec at 00-1-703 527-3887												
2.	<b><u>Composition/Information on ingredients</u></b>												
2.1	Chemical description: Water, Organic Acid.												
2.2	Hazardous ingredients:												
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Chemical Name</th> <th style="width: 10%;">%</th> <th style="width: 15%;">CAS-No.</th> <th style="width: 15%;">EC#</th> <th style="width: 20%;">Hazard Symbol</th> <th style="width: 15%;">R - Phrases</th> </tr> </thead> <tbody> <tr> <td>Acetic Acid</td> <td>5-10</td> <td>64-19-7</td> <td>200-580-7</td> <td>C,Xn</td> <td>10, 35</td> </tr> </tbody> </table>	Chemical Name	%	CAS-No.	EC#	Hazard Symbol	R - Phrases	Acetic Acid	5-10	64-19-7	200-580-7	C,Xn	10, 35
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Acetic Acid	5-10	64-19-7	200-580-7	C,Xn	10, 35								
3.	<b><u>Hazards identification</u></b>												
3.1	To man: May cause eye, respiratory and skin irritation.												
3.2	To the environment: None known.												
4.	<b><u>First aid measures</u></b>												
4.1	Inhalation: Remove to fresh air. If symptoms persist consult physician.												
4.2	Eye contact: Remove contact lenses. Flush with water for at least 15 minutes.												
4.3	Skin contact: Thoroughly wash exposed skin with soap and water. Remove any contaminated clothing.												
4.4	Ingestion: Drink plenty of water. Consult physician.												
4.5	Special: Treatment based on judgment of attending physician.												
5.	<b><u>Fire-fighting measures</u></b>												
5.1	Suitable extinguishing media: Alcohol foam, Water spray or fog, or dry chemical.												
5.2	Unsuitable Extinguishing media: None known.												
5.3	Special exposure hazards: Possibly oxides of carbon and other unidentified compounds												
5.4	Special safety equipment : Self-contained positive pressure breathing apparatus and protective clothing.												
6.	<b><u>Accidental release measures</u></b>												
6.1	Personal precautions: Prevent eye and skin contact.												
6.2	Environmental precautions: Dispose of according to local regulations.												
6.3	Methods of cleaning up: Use absorbent material to soak up spills and dispose of according to local regulations.												
Tannin Spotter													
7.	<b><u>Handling and storage</u></b>												
7.1	Handling:	Prevent eye and skin contact.											
7.2	Storage:	Keep container closed to avoid contamination..											
7.2.2	Incompatible storage:	Avoid storing in metal containers for long periods of time											
7.2.3	Other:	None known.											
8.	<b><u>Exposure controls/personal protection</u></b>												
	Please use common sense when handling this product.												
8.1	Respiratory protection:	Use local exhaust or dilution ventilation.											
8.2	Hand protection:	Chemical Resistant Gloves .											
8.3	Eye protection:	Safety glasses											
8.4	Skin protection:	Use body covered clothing.											
8.5	Working hygiene:	Take usual precautions when handling											
9.	<b><u>Physical and chemical properties</u></b>												
9.1.1	Appearance:	Clear colorless liquid.											
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9.1.2	Odor:	Vinegar.
9.2	pH (as used):	2.1-3.1
9.3	Boiling point/Boiling range:	not av.
9.4	Specific gravity:	1.01
9.5	Wt/Gal:	8.4 lbs./gal
9.6	Solubility in water:	Complete
9.7	% VOC:	5% Acetic Acid
9.8	Flash point:	n.av.
9.9	Inflammation:	n. av.
10.	<b><u>Stability and reactivity</u></b>	
10.1	Conditions to avoid:	Heat, flame and sparks..
10.2	Materials to avoid:	Alkalis, strong acids, oxidizing and reducing agents,
10.3	Hazardous decomposition of materials: See point 5.3.	
11.	<b><u>Toxicological information</u></b>	
11.1	Acute toxicity:	Acetic acid: LD50 dermal rabbit: 1060 mg/kg
11.2	Acute oral toxicity:	Acetic acid LD50 oral rat: 3310 mg/kg
11.3	Chronic Effects:	n.av
11.4	Sensitization:	n. av.
11.5	Carcinogenicity:	n. ap.
11.6	Mutagenicity:	n. av.
11.7	Reproductive toxicity:	n. av.
11.8	Narcotic effects:	n. av.
12.	<b><u>Ecological information</u></b>	
12.1	Water-Hazard class:	None(U.S.)
12.2	Biodegradability:	Readily biodegradable.
12.3	Bio-accumulation:	n. av.
12.4	Aquatic toxicity:	n. av.
12.5	Other relevant ecological information: Small quantities considered to be harmless.	
13.	<b><u>Disposal</u></b>	
13.1	Refer to local regulations.	
14.	<b><u>Transport information</u></b>	
	All ingredients in this formula are non regulated for non bulk	
15.	<b><u>Regulations</u></b>	
15.1	Symbol:	Irritant 
15.2	R-Sentences:	R36/38: Irritating to eyes and skin R37: Irritating to respiratory system
15.3	S-Sentences:	S2: Keep out of reach of children S24/25: Avoid contact with skin and eyes S37/39: Wear Suitable gloves and eye/face protecton
16.	<b>Other Information</b>	
	<b>DISCLAIMER OF LIABILITY</b>	
	The manufacturer and seller warrants that this product conforms to its standard specifications when used according to directions. As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for use of this product. Information contained herein is believed to be true and accurate but all statements or suggestions are made without any warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material and the results to be obtained from the use thereof.	

n.ap = not applicable

n.av = not available