

		Material Safety Data Sheet
		<i>(Complies with ANSI Z400.1-1998)</i>
Product Name:	Expansion Technology Dry Shampoo, 24.33%	MSDS # SW-1257-A Issued: 08/22/13
Product Code:	SW-1257-A	

Section 1. Chemical Product and Company Identification		
Product Name:	Expansion Technology Dry Shampoo, 24.33%	
Product Code:	SW-1257-A	
Product Class:	Aerosol Hair Spray	
For Further Information Contact:		
Aware Products	Mon-Fri	Telephone: 1-800-232-9273 8 am to 5 pm PT
9250 Mason Avenue		Fax: 1-818-772-1642
Chatsworth, CA 91311		Web Site:
For Chemical Emergencies:		
Spill, Leak, Fire or Accident	Telephone:	
Call		
Customer Number:		

Section 2. Composition and Information on Ingredients								
Hazardous Components	CAS #	Vapor Pressure	Weight	ACGIH TLV		OSHA PEL		Units
			%	TWA	STEL	TWA	STEL	
Specially Denatured Alcohol	64-17-5	44 mmHg@ 68 °F	≤25	1000		1000		ppm
Hydrofluorocarbon 152a	75-37-6	87 psig@ 70 °F.	≤70	1000		1000		ppm
			-					

NE = not established for this material.
 ** = Components marked with double asterisk are present above De minimus cut off level and subject to the reporting requirements of Section 313 of Title III under SARA and 40 CFR Part 372.

Section 3. Hazard Identification	
Emergency Overview:	Warning: Flammable. Contents under pressure. Container may burst if heated . Do not place in hot water, or near radiators, stoves or other sources of heat. Do not puncture or incinerate container or store at temperature over 120 °F. Do not use in presence of open flame or spark or other sources of ignition. KEEP OUT OF REACH OF CHILDREN. Avoid getting into eyes. Use only as directed. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal
Potential Health Effects:	
Eye contact:	Contact may cause mild eye irritation including stinging, watering, and redness.
Skin contact:	Practically non-irritating to skin. Prolonged or repeated contact may result in defatting and drying to the skin which may result in skin irritation and dermatitis.
Inhalation:	Contains asphyxiant gases. Intentional inhalation of gases may cause headache, fatigue, weakness, mental confusion, mood disturbances, and decreased coordination and judgment. Severe overexposure may produce more serious symptoms, including coma and death.
Ingestion:	No harmful or chronic effects are expected to occur from a single accidental ingestion. Intentional and continuous ingestion can cause serious effects on liver and kidney. Contains denatured alcohol.
Chronic Effects:	None when used as directed.

Section 4. First Aid Measures	
Eye:	Flush or rinse eye with tempered water while holding eyelid open. Remove contact lenses, if worn. <u>If irritation or redness persists seek medical attention.</u>
Skin:	Clean affected area(s) thoroughly by washing with mild soap and water, pat dry. <u>If irritation or redness develops and persists, seek medical attention.</u>
Inhalation:	<u>If breathing difficulties develop, move victim away from source of exposure and into fresh air, give oxygen as necessary. Seek immediate medical attention.</u>
Ingestion:	<u>DO NOT induce vomiting. Have a conscious person drink two glasses of water. Seek medical attention.</u>

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Section 5. Fire Fighting Measures	
Flammability Classification:	Flammable pursuant to CFR 16, Ch II Subchapter C, part 1500.45.
Aerosol Level:	Level 3 Aerosol (REF: to NFPA 30B, Section 1-7 of August 6, 1998). Code for the Manufacture and Storage of Aerosol Products.
Unusual Fire & Explosion Hazards:	Aerosols may burst at temperatures above 120 °F. Contents under pressure. Cool uninvolved containers to prevent possible bursting.
Extinguishing Media:	Use extinguishing agent suitable for type of surrounding fire.
Fire Fighting Instructions:	The use of self-contained breathing apparatus is recommended for fire fighters. <i>Fight fire upwind</i> . Containers exposed to intense heat from fires must be cooled with water to prevent vapor pressure buildup which could result in container rupture. Keep containers cooled with water and remove them from danger if it can be done with minimal risk. Aerosols can be projectiles when bursting. If aerosols are bursting, stay clear until bursting is complete.

Section 6. Accidental Release Measures	
Large Spills:	
Keep sources of ignition and hot metal surfaces isolated from spill. Stay upwind and away from spill/release. Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done with minimal risk. Wear appropriate protective equipment including respiratory protection as conditions warrant. Water may be useful in minimizing or dispersing vapors. Keep out of water supplies.	

Section 7. Handling and Storage.	
Handling:	Contents under pressure. Handle as to avoid puncturing container(s). When used as intended, no additional protective equipment is necessary. Use chemical goggles if likelihood of eye contact. Wash unintentional residue with soap and water.
Storage:	Store aerosol containers in cool, dry, well-ventilated areas away from heat and direct sunlight. Avoid temperatures above 120 °F. Keep away from any incompatible material (see section 10). Protect container(s) against physical damage. To avoid unintentional spraying keep protective cap in place when not in use.

Section 8. Exposure Controls / Personal Protection	
Engineering Controls:	A well ventilated room with adequate air circulation. Use local and general exhaust ventilation to effectively remove and prevent buildup of vapors/mist generated from the handling of this product.
Respiratory:	If used with adequate ventilation, no protective equipment is necessary.
Skin:	Not required based on the hazard of the material.
Eye/Face:	While contact with this material is not expected to cause appreciable irritation, the use of approved eye protection to safeguard against potential eye contact is considered good practice.
Other Protective Equipment:	A source of clean water should be available in the work area for flushing eyes and skin. Impervious clothing should be worn as needed.

Section 9. Physical and Chemical Properties.			
Concentrate Only:		Finished Product:	
Appearance:	Light milky white liquid	Vapor Pressure:	80 - 90 psig @ 70 °F
Boiling Range:	< 100 °F (38 °C)		
Flash Point:	48 °F		
Specific Gravity:	0.850 (water=1)		
pH:	Not Determined		
Weight per Gallon:	7.083 #/gal		
Solubility (water):	Soluble		

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Section 10. Stability and Reactivity	
Chemical Stability:	Stable under normal conditions of storage and handling.
Conditions to Avoid:	High temperatures, above 120 °F, open flames and sparks.
Incompatible Materials	Avoid contact with strong oxidizing and reducing agents. Strong acids and bases. (Household Ammonia, Drain Openers etc.)
Hazardous Decomposition Products:	Combustion may produce carbon monoxide, carbon dioxide and other unidentified organic compounds.
Hazardous Polymerization:	Will not occur.

Section 11. Toxicological Information	
No definitive information found on carcinogenicity, mutagenicity, target organs or developmental toxicity.	

Section 12. Ecological Information	
Not found	

Section 13. Disposal Considerations	
Along with properly characterizing all waste materials, consult state and local regulations regarding the proper disposal of this material.	

Section 14. Transport Information	
1. DOT (Ground)	2008 ERG #: 126
Shipping Name:	Consumer Commodity
Hazard Class:	ORM-D
2. IMDG (Overseas)	EmS: F-D, S-U
Shipping Name:	Aerosols
Class:	2.1
UN No.:	1950
3. IATA (Air)	
Shipping Name:	Consumer Commodity
Class:	9
ID No.:	ID8000
Label:	Miscellaneous Dangerous Goods Class 9
Packaging Instructions:	910

Section 15. Regulatory Information	
Toxic Chemicals List under SARA Section 313 of the Title III and 40 CFR Part 372.	
None	
Chemicals under California Proposition 65	
None	
Flammability Classification 16 CFR, Ch II Subch. C, Part 1500.45	
Flammable	
Code of Manufacture and Storage of Aerosol Products NFPA 30B	
Level 3 Aerosol	

Section 16. Documentary Information	
Issue Date:	08/22/13
Revised:	NEW
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Disclaimer of Expressed and Implied Warranties.

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