

THE PROCTER & GAMBLE COMPANY

BEAUTY CARE DIVISION
Sharon Woods Technical Center
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Cincinnati, Ohio 45241

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MATERIAL SAFETY DATA SHEET

ISSUE DATE: 8/02	
SECTION I	
EMERGENCY TELEPHONE NUMBER 1-800-262-1637	
IDENTITY Physique Voluming Hair Spray – Aerosol (including Unscented)	
INGREDIENTS/CHEMICAL NAME SD Alcohol 40, Isobutane, Dimethyl Ether, Water, Acrylates/Dimethicone Copolymer, Octylacryamide/Acrylates/Butylaminoethyl Methacrylate Copolymer, Potassium Hydroxide, Diisobutyl Adipate, Isododecane, Aminomethyl Propanol, Ammonium Benzoate, Fragrance	
OTHER Code: EI (Unscented PA)	

SECTION II — HAZARDOUS INGREDIENTS/IDENTITY INFORMATION					
HAZARDOUS INGREDIENTS AS DEFINED BY OSHA 29 CFR 1910.1200					
CHEMICAL NAME	COMMON NAME	CAS NO.	ACGIH TLV	OSHA PEL	OTHER LIMITS RECOMMENDED
SD Alcohol 40	SD Alcohol 40	64-175-5	1000 ppm	1000 ppm	
Dimethyl Ether	Dimethyl Ether	115-10-6	UN	UN	
Isobutane	Isobutane	75-28-5	UN	UN	
Isododecane	Isododecane	13475-82-6	UN	UN	

SECTION III — PHYSICAL/CHEMICAL CHARACTERISTICS			
BOILING POINT (°F)	<0°F	SPECIFIC GRAVITY (H ₂ O = 1)	~0.78
VAPOR PRESSURE (psig)	~45	PERCENT VOLATILE BY VOLUME (%)	~80
VAPOR DENSITY (AIR = 1)	UN	EVAPORATION RATE (nBUOAC = 1)	UN
SOLUBILITY IN WATER	100 %	APPEARANCE AND ODOR	clear to slightly hazy liquid with perfumed odor

SECTION IV — FLAMMABILITY AND REACTIVITY				
FLASH POINT (METHOD USED) ~68°F (open cup)		EXPLOSIVE LIMITS	LEL ~3.3	UEL ~19
EXTINGUISHING MEDIA Dry chemical, water spray, CO ₂ or foam				
SPECIAL FIRE FIGHTING PROCEDURES N/A				
UNUSUAL FIRE HAZARDS N/A				
STABILITY	UNSTABLE	STABLE	CONDITIONS TO AVOID	
		XX		
	INCOMPATIBILITY (Materials to avoid) Oxidizing materials and concentrated acids.			
HAZARDOUS DECOMPOSITION/BY PRODUCTS UN				
HAZARDOUS POLYMERIZATION	MAY OCCUR	WILL NOT OCCUR	CONDITIONS TO AVOID	
		XX	N/A	

SECTION V — HEALTH AND SAFETY DATA	
ROUTES OF ENTRY	Oral, dermal, ocular, inhalation
HEALTH HAZARDS (ACUTE AND CHRONIC)	Mildly irritating to the eyes and skin.
SIGNS OF SYMPTOMS OF EXPOSURE	Oral - possible mild gastrointestinal irritation with nausea, vomiting and diarrhea. Eye contact may cause transient superficial irritation. Skin irritation typical. Inhalation - remove to fresh air and contact physician.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE	UN
EMERGENCY AND FIRST AID PROCEDURES	Accidental ingestion - Dilute with fluids, milk or water and treat symptomatically. Observe for vomiting. Eye contact - Rinse thoroughly with water. Contact physician if condition worsens. Inhalation - remove to fresh air.

SECTION VI — PRECAUTIONS FOR SAFE HANDLING AND USE	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	Do not store above 120°F. Keep away from fire and flame.
OTHER PRECAUTIONS	N/A
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	Clean up with sorbent kit. Prevent large spills from reaching waterways. Avoid contact with oxidizing materials.
WASTE DISPOSAL METHOD	Vent can, remainder is flammable waste.

SECTION VII — SPECIAL PROTECTION INFORMATION		
RESPIRATORY PROTECTION (Specify Type) None required with normal use.		
VENTILATION	LOCAL EXHAUST None required with normal use.	SPECIAL None
	MECHANICAL (General) Acceptable	OTHER None
EYE PROTECTION None required with normal use.		PROTECTIVE GLOVES Plastic or rubber for extended exposure.
OTHER PROTECTIVE EQUIPMENT None required with normal use.		

NA — NOT APPLICABLE

UN — NOT KNOWN

THE SUBMISSION OF THIS MSDS MAY BE REQUIRED BY LAW, BUT THIS IS NOT AN ASSERTION THAT THE SUBSTANCE IS HAZARDOUS WHEN USED IN ACCORDANCE WITH PROPER SAFETY PRACTICES AND NORMAL HANDLING PROCEDURES. DATA SUPPLIED IS FOR USE ONLY IN CONNECTION WITH OCCUPATIONAL SAFETY AND HEALTH.