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HEALTH CARE DIVISION
Sharon Woods Technical Center
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Cincinnati, Ohio 45241

THE PROCTER & GAMBLE COMPANY

MATERIAL SAFETY DATA SHEET

ISSUE DATE: 8/98	
SECTION I	
EMERGENCY TELEPHONE NUMBER 1-800-262-1637	
IDENTITY Sure Acrosel Antiperspirant LY D	
INGREDIENTS/CHEMICAL NAME Aluminum Chlorohydrate, Hydrofluorocarbon 152a, Cyclomethicone, Isopropyl Myristate, Dimethicone, Quaternium-18 Hectorite, Propylene Carbonate, and Fragrance	
OTHER	

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
Hydrofluorocarbon 152a	Dymel 152a	75-37-6			100%
ORM-D Consumer Commodity according to DOT					

SECTION III -- PHYSICAL/CHEMICAL CHARACTERISTICS			
BOILING RANGE (°F)	-13 to 31°F	SPECIFIC GRAVITY (H ₂ O = 1)	1.0
VAPOR PRESSURE (mm Hg)	3210 at 70° F	PERCENT VOLATILE BY VOLUME (%)	60.0
VAPOR DENSITY (AIR = 1)	2.20	EVAPORATION RATE (nBUOAC = 1)	N.K.
SOLUBILITY IN WATER	12% at 80° F	APPEARANCE AND ODOR	Dispersion solids in Hydrocarbon Liquid - Perfume odor

SECTION IV -- FLAMMABILITY AND REACTIVITY			
FLASH POINT (METHOD USED)	-58°F (closed cup)	EXPLOSIVE LIMITS	LEL 3.9% UEL 16.9%
EXTINGUISHING MEDIA Water, Dry Chemical, Carbon Dioxide or Alcohol Foam			
SPECIAL FIRE FIGHTING PROCEDURES None			
UNUSUAL FIRE HAZARDS Packed in Pressurized can			
STABILITY	UNSTABLE	STABLE	CONDITIONS TO AVOID
	X		
INCOMPATIBILITY (Materials to avoid) Concentrated H ₂ SO ₄ , alkali or alkaline earth metals.			
HAZARDOUS DECOMPOSITION/BY PRODUCTS HCL			
HAZARDOUS POLYMERIZATION	MAY OCCUR	WILL NOT OCCUR	CONDITIONS TO AVOID
	X		

I-305199 C-0370000227 ORM-D
 I-312170 C-03700032930 ORM-D
 DGM I-349283 C-1403708 ORM-D

SECTION V — HEALTH AND SAFETY DATA	
ROUTES OF ENTRY	
Inhalation, Skin Contact, Eye Contact	
HEALTH HAZARDS (ACUTE AND CHRONIC)	
Contact with eyes and skin may cause mild degrees of irritation. Rinsing with water is recommended for accidental contact. Prolonged or repeated inhalation exposure to aerosolized concentrate should be avoided.	
SIGNS OF SYMPTOMS OF EXPOSURE	See Above
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE	
Chronic respiratory conditions may be exacerbated by inhalation of aerosolized material. Irritation may result from contact with broken skin.	
EMERGENCY AND FIRST AID PROCEDURES	
Eye wash and safety shower facilities should be available.	

SECTION VI — PRECAUTIONS FOR SAFE HANDLING AND USE	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
WARNING: Flammable. Do not spray near flame or while smoking. Avoid spraying in eyes. Keep out of reach of children. Contents under pressure. Do not crush, puncture or incinerate. Do not store at temperature above 120°F. Do not apply to broken skin. If rash or irritation develops, discontinue use. Use only as directed. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. Avoid excessive inhalation.	
OTHER PRECAUTIONS	
None	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
Do not allow to enter sanitary sewage system.	
WASTE DISPOSAL METHOD	
Can venting then burial.	

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

NA — NOT APPLICABLE
KNOWN

N.K. — NOT

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.