

MATERIAL SAFETY DATA SHEET

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SECTION I

PRODUCT NAME OR NUMBER (as it appears on label) FIXATIF # 471	
MANUFACTURER'S NAME SPRAY PRODUCTS CORPORATION	EMERGENCY TELEPHONE NO. 215/ 277-1010
ADDRESS (Number, Street, City, State and Zip Code) P.O. BOX 737 · NORRISTOWN, PA 19404	MANUFACTURER'S D-U-N-S NO. 04-271-6084
HAZARDOUS MATERIAL DESCRIPTION, PROPER SHIPPING NAME, HAZARD CLASS, HAZARD ID NO. (49 CFR 172.101)	
ADDITIONAL HAZARD CLASSES (as applicable)	
CHEMICAL FAMILY	FORMULA

SECTION II — INGREDIENTS (list all ingredients)

CAS REGISTRY NO.	%W	CHEMICAL NAME(S)	TLV (Units)	Listed as a Carcinogen in NTP, IARC or OSHA
108-65-6	3	PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE	100	
108-10-1	7	MIBK	100	
67-64-1	33	ACETONE	1000	
75-09-2	9	METHYLENE CHLORIDE	500	
108-88-3	12	TOLUENE	100	
74-98-6	15	PROPANE	1000	

SECTION III — PHYSICAL DATA

BOILING POINT PROPANE -43.7 °C	SPECIFIC GRAVITY (H ₂ O = 1)	.801
VAPOR PRESSURE PROPANE 108 psi	PERCENT VOLATILE BY VOLUME (%)	85
VAPOR DENSITY (AIR = 1) PROPANE 1.5	EVAPORATION RATE (= 1)	8.6
SOLUBILITY IN WATER MODERATE	PH =	
APPEARANCE AND ODOR	MATERIAL: <input checked="" type="checkbox"/> LIQUID <input type="checkbox"/> SOLID <input checked="" type="checkbox"/> GAS <input type="checkbox"/> PASTE <input type="checkbox"/> POWDER	

SECTION IV — FIRE AND EXPLOSION HAZARD DATA

FLASH POINT PROPANE -156 °F	METHOD USED T.C.C.	FLAMMABLE LIMITS	LEL 2.2	UEL 8.9
EXTINGUISHING MEDIA	FOAM, CO ₂ , DRY CHEMICALS			
SPECIAL FIRE FIGHTING PROCEDURES	HANDLE AS EXTREMELY FLAMMABLE LIQUID.			
USE AIR-SUPPLIED BREATHING EQUIPMENT FOR CONFINED AREAS				
UNUSUAL FIRE AND EXPLOSION HAZARDS				
CONTENTS UNDER PRESSURE. COOL CONTAINERS EXPOSED TO HEAT.				

SECTION V-HEALTH HAZARD DATA

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EFFECTS OF OVEREXPOSURE — Conditions to Avoid IRRITATING TO SKIN AND EYES HARMFUL OR FATAL IF SWALLOWED	THRESHOLD LIMIT VALUE <input type="checkbox"/> SEE SECTION II PERMISSIBLE EXPOSURE LIMIT <input type="checkbox"/> OTHER LIMIT <input type="checkbox"/>
INHALATION MAY BE HARMFUL AND MAY CAUSE DIZZINESS, HEADACHES, OR NAUSEA	
PRIMARY ROUTES OF ENTRY: Inhalation <input type="checkbox"/> Skin Contact <input type="checkbox"/> Ingest (Specify)	
EMERGENCY AND FIRST AID PROCEDURES SKIN CONTACT: WASH AFFECTED AREA WITH SOAP AND WATER EYE CONTACT: FLUSH WITH COPIOUS AMOUNTS OF WATER, CALL PHYSICIAN. INGESTION: DO NOT INDUCE VOMITING, CALL PHYSICIAN IMMEDIATELY. INHALATION: REMOVE TO FRESH AIR, IF BREATHING HAS STOPPED, GIVE ARTIFICIAL RESPIRATION	

SECTION VI-REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	N	HEAT SPARKS OR OPEN FLAME
INCOMPATIBILITY (materials to avoid)			
HAZARDOUS DECOMPOSITION PRODUCTS:			
HAZARDOUS	MAY OCCUR		CONDITIONS TO AVOID
POLYMERIZATION	WILL NOT OCCUR	N	

SECTION VII-SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
ELIMINATE SOURCES OF HEAT OR	
IGNITION, VENTILATE AREA, APPLY ABSORBENT TO SPILL AREA	
WASTE DISPOSAL METHOD	ABSORBING MATERIAL OR DEFECTIVE CONTAINERS SHOULD BE
DISPOSED OF AT AN APPROVED WASTE SITE.	
RCRA HAZARDOUS WASTE NO. (40 CFR 261.33)	
VOLATILE ORGANIC COMPOUND (VOC) (as packaged, minus water)	

SECTION VIII-SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) NOT NORMALLY REQUIRED IF AREA IS PROPERLY VENTILATED.			
VENTILATION	LOCAL EXHAUST (Specify Rate) YES	SPECIAL	
	MECHANICAL (General) (Specify Rate) AS REQUIRED	OTHER	
PROTECTIVE GLOVES (Specify type)	AS REQUIRED	EYE PROTECTION (Specify type)	SAFETY GLASSES OR GOGGLES
OTHER PROTECTIVE EQUIPMENT			

SECTION IX-SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
EXTREMELY FLAMMABLE. STORE AND USE AWAY	
FROM ALL HEAT AND IGNITION SOURCES. USE ADEQUATE VENTILATION.	
OTHER PRECAUTIONS	CONTENTS UNDER PRESSURE. DO NOT STORE ABOVE 120°F.
DO NOT PUNCTURE OR INCINERATE.	

Name (Print)	ANDREW A. ORR
Signature	<i>Andrew A. Orr</i>
Title	PRESIDENT
Date	AUGUST 26, 1987