

REC'D JUL 28 1997

MATERIAL SAFETY DATA SHEET

3097

SECTION 1 — PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER ▶ SERVICE FIRST ALATHENE II (aerosol)		PRODUCT IDENTIFICATION NUMBER (PIN) CHM00066	
PRODUCT USE ▶ Mold and mildew preventative for evaporator coils			
MANUFACTURER'S NAME North American Research Corporation		SUPPLIER'S NAME The Trane Company	
STREET ADDRESS 519 Huffines Blvd.		STREET ADDRESS 3600 Pammel Creek Road	
CITY Lewisville	PROVINCE Texas	CITY La Crosse	PROVINCE Wisconsin
POSTAL CODE 75056	EMERGENCY TELEPHONE NO. 972-492-1800	POSTAL CODE 54601	EMERGENCY TELEPHONE NO. 800-424-9300

SECTION 2 — HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS NUMBER	LD ₅₀ OF INGREDIENT (SPECIFY SPECIES AND ROUTE)	LC ₅₀ OF INGREDIENT (SPECIFY SPECIES)
2-Propanol	>25	67-63-0	N/A	N/A
Propellant C ₃ -C ₄ Alkane Blend	>25	68475-59-2	N/A	N/A
NFPA HAZARD RATING:				
"1" Health				
"3" Flammability				
"0" Reactivity				

SECTION 3 — PHYSICAL DATA

PHYSICAL STATE Liquid Spray	ODOUR AND APPEARANCE Clear thin liquid; Slight alcohol odor			ODOUR THRESHOLD (ppm) 400ppm
VAPOUR PRESSURE (mm Hg) N/A	VAPOUR DENSITY (AIR=1) 2.07	EVAPORATION RATE 2.88	BOILING POINT(°C) IBP 180°F	FREEZING POINT(°C) N/A
pH N/A	SPECIFIC GRAVITY 20/20°C 0.7864	COEFF. WATER/OIL DIST. N/A		

SECTION 4 — FIRE AND EXPLOSION DATA

FLAMMABILITY YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> IF YES, UNDER WHICH CONDITIONS? ▶ At elevated temperatures (over 130°F) containers may vent, rupture or burst.		
MEANS OF EXTINCTION Water fog, carbon dioxide, dry chemical		
FLASHPOINT (°C) AND METHOD 53°F TCC	UPPER FLAMMABLE LIMIT (% BY VOLUME) @200°F 12.7	LOWER FLAMMABLE LIMIT (% BY VOLUME) 2.0
AUTOIGNITION TEMPERATURE (°C) N/A	HAZARDOUS COMBUSTION PRODUCTS N/A	
EXPLOSION DATA ▶	SENSITIVITY TO IMPACT None	SENSITIVITY TO STATIC DISCHARGE None

SECTION 5 — REACTIVITY DATA

CHEMICAL STABILITY YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> IF NO, UNDER WHICH CONDITIONS? ▶	
INCOMPATIBILITY WITH OTHER SUBSTANCES YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> IF SO, WHICH ONES? ▶ Avoid concentrated nitric and sulfuric acids, strong oxidizers, aldehydes, halogens and halogen compounds.	
REACTIVITY, AND UNDER WHAT CONDITIONS None	
HAZARDOUS DECOMPOSITION PRODUCTS Burning may produce carbon monoxide and carbon dioxide.	

3097

PRODUCT IDENTIFIER **ALATHENE II (aerosol)**

SECTION 6 — TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY

SKIN CONTACT

SKIN ABSORPTION

EYE CONTACT

INHALATION

INGESTION

EFFECTS OF ACUTE EXPOSURE TO PRODUCT

If TLV is exceeded, may cause temporary eye irritation & some coughing and sneezing.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT

None known

EXPOSURE LIMITS 400ppm -ACGIH TLV	IRRITANCY OF PRODUCT Eye & skin irritant Respiratory irritant	SENSITIZATION TO PRODUCT N/A	CARCINOGENICITY N/A
TERATOGENICITY N/A	REPRODUCTIVE TOXICITY N/A	MUTAGENICITY N/A	SYNERGISTIC PRODUCTS N/A

SECTION 7 — PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES (SPECIFY) None required	RESPIRATOR (SPECIFY) Self-contained breathing apparatus if TLV is exceeded.	EYE (SPECIFY) Safety glasses
FOOTWEAR (SPECIFY) None required	CLOTHING (SPECIFY) regular work clothes	OTHER (SPECIFY) None

ENGINEERING CONTROLS (SPECIFY, EG. VENTILATION, ENCLOSED PROCESS.) Use only in well ventilated areas.
Maintain adequate ventilation

LEAK AND SPILL PROCEDURE Remove sources of heat, flame or spark. Provide adequate ventilation.
Mop up spills then rinse with water.

WASTE DISPOSAL Do not puncture or incinerate container. Replace cap and discard container in trash.

HANDLING PROCEDURES AND EQUIPMENT Never apply this product in a confined area. Do not smoke in work area. Always wash hands after use and before eating or drinking.

STORAGE REQUIREMENTS Keep out of reach of children. Store in a cool, dry place. Do not store where temperatures may exceed 130°F. For professional and industrial use only.

SPECIAL SHIPPING INFORMATION

Consumer Commodity ORM-D (aerosols, Paint NOI)

SECTION 8 — FIRST AID MEASURES

SPECIFIC MEASURES

EYES: flush with plenty of water for at least 15 minutes. See physician.
INHALATION: remove to fresh air. Notify physician if respiratory irritation persists.
SKIN: wash area with plenty of soap and water.

SECTION 9 — PREPARATION DATE OF MSDS

PREPARED BY (GROUP, DEPARTMENT, ETC.) <i>Kelvin Cook</i>	PHONE NUMBER 972-492-1800	DATE 7/8/97
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