

SECTION 1 — PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER ▶ SERVICE FIRST ALATHENE II		PRODUCT IDENTIFICATION NUMBER (PIN) CHM00067	
PRODUCT USE ▶ Used on indoor evaporator coils to prevent growth of mold and mildew.		and CHM00068	
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)
Isopropyl Alcohol	>98	67-63-0	N/A	N/A
*2,2'-Methylenebis (4-Chlorophenol)	1.45	97-23-4	N/A	N/A
NFPA HAZARD RATING:				
"2" Health				
"3" Flammable				
"0" Reactivity				

SECTION 3 — PHYSICAL DATA

PHYSICAL STATE Liquid	ODOUR AND APPEARANCE Sweet alcohol odor; Clear liquid			ODOUR THRESHOLD (ppm) 400ppm
VAPOUR PRESSURE (mm Hg) 33 @ 20°C	VAPOUR DENSITY (AIR=1) 2.07	EVAPORATION RATE 2.88	BOILING POINT(°C) 180°F	FREEZING POINT(°C) N/A
pH 6.0 - 7.0	SPECIFIC GRAVITY 0.786	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? ▶ Product being used near open flame, electric arcs or sparks. Dense vapors will form in a confined or poorly ventilated area.	
MEANS OF EXTINCTION Use alcohol-type or all purpose type foams by recommended techniques for large fires. Use carbon dioxide or dry chemicals for small fires.		
FLASHPOINT (°C) AND METHOD 53°F (TCC)	UPPER FLAMMABLE LIMIT (% BY VOLUME) 12.7	LOWER FLAMMABLE LIMIT (% BY VOLUME) 2.0
AUTOIGNITION TEMPERATURE (°C) Not determined	HAZARDOUS COMBUSTION PRODUCTS Vapors from this product may travel & be ignited by pilot lights, sparks, heaters, electrical equipment, static discharges or other ignition sources.	
EXPLOSION DATA ▶	SENSITIVITY TO IMPACT N/A	SENSITIVITY TO STATIC DISCHARGE may be ignited from vapors

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 & sulfuric acids, strong oxidizers, aldehydes, halogens and halogen compounds.
REACTIVITY, AND UNDER WHAT CONDITIONS In a confined or poorly ventilated area, avoid contact with open flame, electric arcs or sparks.	
HAZARDOUS DECOMPOSITION PRODUCTS Burning may produce carbon monoxide and carbon dioxide.	

*If the hazardous ingredients are listed with an asterisk, the ingredient is subject to the reporting requirements of Section 313 Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

3096

PRODUCT IDENTIFIER SERVICE FIRST ALATHENE II

SECTION 6 — TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY

SKIN CONTACT [X] SKIN ABSORPTION [] EYE CONTACT [X] INHALATION [X] INGESTION [X]

EFFECTS OF ACUTE EXPOSURE TO PRODUCT INGESTION: slightly toxic, stomach cramps, pain and nausea. INHALATION: dizziness to comatose.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT None

Table with 4 columns: EXPOSURE LIMITS, IRRITANCY OF PRODUCT, SENSITIZATION TO PRODUCT, CARCINOGENICITY. Rows include ACGIH TLV - 400ppm, TERATOGENICITY, and REPRODUCTIVE TOXICITY.

SECTION 7 — PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

Table with 3 columns: GLOVES (SPECIFY), RESPIRATOR (SPECIFY), EYE (SPECIFY). Rows include Rubber, Normal work shoes, and Safety glasses or goggles.

ENGINEERING CONTROLS (SPECIFY, EG. VENTILATION, ENCLOSED PROCESS.)

for local exhaust - hood or fan. Use adequate ventilation.

LEAK AND SPILL PROCEDURE Remove sources of flame, sparks or heat. Provide adequate ventilation. Flush small spills with water, Contain & collect large spills for recycling or disposal.

WASTE DISPOSAL

Incinerate in a furnace where permitted under appropriate federal, state & local guidelines.

HANDLING PROCEDURES AND EQUIPMENT

Keep away from ignition sources. Keep out of reach of children. Read entire label before use. For professional use only.

STORAGE REQUIREMENTS

Store in a cool, dry area out of sunlight .

SPECIAL SHIPPING INFORMATION

Isopropyl Alcohol Solution, 3, UN1219, PG II

SECTION 8 — FIRST AID MEASURES

SPECIFIC MEASURES

SKIN: flush with water. EYES: flush eyes for 15 minutes & get medical attention. INHALATION: remove to fresh air. INGESTION: give 2 glasses of water, induce vomiting and get medical attention immediately.

SECTION 9 — PREPARATION DATE OF MSDS

Table with 3 columns: PREPARED BY (GROUP, DEPARTMENT, ETC.), PHONE NUMBER, DATE. Includes signature of Robin Cook, phone number (972) 492-1800, and date 7/8/97.