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SB16435

MATERIAL SAFETY DATA SHEET

SB16434

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PRODUCT NAME: AERON A-17

SECTION I PRODUCT IDENTIFICATION

CAS REGISTRY #: 6476-86-0

CHEMICAL FAMILY: PARAFFIN SERIES HYDROCARBON

TRADE NAME: AERON A-17

EMPIRICAL FORMULA: C₈H₁₈

CHEMICAL NAME: NORMAL BUTANE

SECTION II HAZARDOUS COMPONENTS

INGREDIENT	PERCENT	TLV (PPM)
REFINED PETROLEUM GAS	100	1000

IMMEDIATE HAZARD: DO NOT RE-ENTER ROOMS. PLANNED WORK CONTINUED OVER 1H.

SECTION III PHYSICAL DATA

BOILING POINT: 31.1 DEG F	SPECIFIC GRAVITY (H ₂ O = 1.00): 0.58
VAPOR PRESSURE @ 70 DEG F: 47 PSIG	PERCENT VOLATILE BY VOLUME (%): 100
VAPOR DENSITY (AIR = 1.00): 1.86	SOLUBILITY IN WATER @ 70 DEG F: 0.005 WT.
EVAPORATION RATE: (HEXANE) AT TEMPERATURES OVER 31.1 F @ 1 ATM.	
APPEARANCE & ODOR: LIQUID-CLEAR; VAPOR-IMPERCEPTIBLE; ODOR-SWEET PETROLEUM	

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED):	-103 DEG F (OPEN CUP)
LOWER EXPLOSION LIMIT:	1.3 % (VOL.) GAS IN AIR
UPPER EXPLOSION LIMIT:	1.4 % (VOL.) GAS IN AIR
EXTINGUISHING MEDIA:	ANY CHEMICAL EXTINGUISHER (B-C), WATER

SPECIAL FIRE FIGHTING PROCEDURES:

STOP THE RELEASE OF MATERIALS IF POSSIBLE. COOL THE VAPOR SPACE OF THE STORAGE CONTAINER WITH WATER SPRAY.
 AVOID ACCUMULATION OF UNBURNED MATERIALS. REMOVE PERSONNEL IN GENERAL AREA. OBSERVE MAXIMUM ISOLATION WHEN
 EXTINGUISHING FIRE. EXPANSION OF LIQUID AND CHANGE OF STATE FROM LIQUID TO VAPOR WILL ALLOW COMBUSTIBLE
 MIST TO ENCOMPASS A LARGE AREA.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR MAY BE MOVED BY VENTILATION SYSTEMS AND IGNITED
 BY PILOT LIGHTS, OTHER FLAMES, SPARKS, HEATERS, SMOKING, ELECTRIC MOTORS, STATIC DISCHARGE, OR OTHER IGNITION
 AT LOCATIONS DISTANT FROM MATERIAL HANDLING POINT.

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SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE:

1000 PPM

EFFECTS OF OVEREXPOSURE

INGESTION- ASPIRATION HAZARD!

INHALATION- INHALATION MAY PRODUCE ANAESTHETIC EFFECTS AND FEELING OF EUPHORIA. PROLONGED OVEREXPOSURE CAN CAUSE RAPID BREATHING, HEADACHE, DIZZINESS, NARCOSIS, UNCONSCIOUSNESS, AND DEATH FROM ASPHYXIATION, DEPENDING ON CONCENTRATION AND TIME OF EXPOSURE.

SKIN CONTACT- CAN CAUSE SEVERE FROSTZ BURNS SIMILAR TO PROSTHETE.

EYE CONTACT- CAN CAUSE SEVERE IRRITATION, REDNESS, TEARING, BLURRED VISION, AND POSSIBLE FREEZE BURNS.

EMERGENCY FIRST AID PROCEDURES

INGESTION- DO NOT INDUCE VOMITING. CONTACT PHYSICIAN IMMEDIATELY.

INHALATION- REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED, RESTORE BREATHING AT ONCE. ADMINISTER OXYGEN AND GET MEDICAL HELP.

SKIN CONTACT- WASH AFFECTED AREAS GENTLY AND GET MEDICAL ATTENTION IF THERE IS EVIDENCE OF TISSUE DAMAGE. FLUSH AREA WITH PLENTY OF WATER.

EYE CONTACT- FOR LIQUID CONTACT, IRRIGATE WITH RUNNING WATER FOR MINIMUM OF 15 MINUTES. CONSULT PHYSICIAN IMMEDIATELY.

SECTION VI REACTIVITY DATA

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: CAN NOT OCCUR

INCOMPATIBILITY (MATERIALS TO AVOID):

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE, VOLATILE HYDROCARBON VAPORS

CONDITIONS TO AVOID: HIGH HEAT, SPARK, AND OPEN FLAMES

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

AVOID SOURCES OF IGNITION - VENTILATE AREA. USE WATER FOG TO EVAPORATE OR VENTILATE. PROTECT BODY AGAINST CONTACT WITH LIQUID. IF CONFINED SPACE - USE SELF CONTAINED BREATHING APPARATUS. CONSULT LOCAL FIRE AUTHORITIES.

WASTE DISPOSAL METHOD

(1) MECHANICAL RECOVERY

(2) FLARE-OFF AT SAFE LOCATION (VAPORS)

(3) EXHAUST TO ATMOSPHERE IN SAFE LOCATION (NO OPEN FLAMES)

COMPLY WITH ALL STATE AND LOCAL REGULATIONS REGARDING VENTING, FLARING, AND DISPOSAL.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: WHEN NECESSARY, NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS

PROTECTIVE GLOVES: IMPERVIOUS, INSULATED GLOVES RECOMMENDED

EYE PROTECTION: FACESHIELD OR GOGGLES RECOMMENDED

OTHER PROTECTIVE EQUIPMENT: APPROPRIATE IMPERVIOUS CLOTHING FOR PROLONGED OR REPEATED CONTACT

VENTILATION:

MECHANICAL (GENERAL): PROVIDE AS NEEDED TO KEEP CONCENTRATION IN AIR BELOW TLV AND LEL

LOCAL EXHAUST: CONTINUOUS VENTILATION

SPECIAL: EXPLOSION PROOF FANS AND MOTORS

SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

COMPLY WITH STATE AND LOCAL REGULATIONS COVERING LIQUIDIFIED PETROLEUM GASES. COMPLY WITH NFPA PAMPHLET 658.

STORE SHALL CONTAINERS IN WELL-VENTILATED AREAS, AWAY FROM HEAT OR SOURCES OF IGNITION. PROHIBIT SMOKING IN AREAS OF STORAGE OR USE

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