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818730-99

04/11/90
DESCRIPTION

CAT NBR

1. S41873 BURNER LENK FUEL

IMPORTANT SAFETY INFORMATION -- DO NOT DISCARD.

PLEASE ROUTE TO COMPANY SAFETY OFFICER.

IF NAME AND/OR ADDRESS
 HAVE CHANGED, CONTACT
 YOUR FISHER SALES
 REPRESENTATIVE OR YOUR
 LOCAL FISHER BRANCH.

FISHER SCIENTIFIC HAS A
 COMPLETE LINE OF SAFETY
 PRODUCTS AND INFORMATION
 FOR THE LABORATORY.
 CONTACT YOUR LOCAL FISHER
 BRANCH FOR FILMS, BRO-
 CHURES, CATALOGS AND PRO-
 DUCTS.

SYRACUSE CITY
 SCHOOL DISTRICT
 725 HARRISON ST
 SYRACUSE NY 13210

P O NUMBERS

1. K 46425

FOR EACH CHEMICAL, AN MSDS SHEET WILL BE
 SENT ONLY ON THE FIRST SHIPMENT UNLESS A
 SUBSTANTIVE REVISION OCCURS.

REQUIRED MATERIAL SAFETY DATA SHEETS (MSDS) NOT
 INCLUDED IN THIS MAILING WILL FOLLOW UNDER SEP-
 ARATE COVER.
 THIS PACKET MAY CONTAIN MSDS FOR PRODUCTS MAN-
 UFACTURED BY OTHERS AND DISTRIBUTED BY FISHER
 SCIENTIFIC COMPANY. THESE MSDS WERE PREPARED
 BY THE MANUFACTURER AND FISHER DISCLAIMS ALL
 LIABILITY FOR THE CONTENT.

MATERIAL SAFETY DATA SHEET

DIVERSIFIED CHEMICALS & PROPELLANTS CO.
350 EAST OGDEN
WESTMONT, IL 60559
TEL: (312) 654-4440

FOR CAT. NO.'S

541872
541873
541875
541876

EMERGENCY TELEPHONE NUMBERS: (815) 423-5995 CHANNAHON PLANT
(800) 424-9300 CHEMTREC

00839

(APPROVED BY U.S. DEPARTMENT OF LABOR 'ESSENTIALLY SIMILAR' TO FORM LSB-005-4)

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PRODUCT NAME: AERON A-17

SECTION I PRODUCT IDENTIFICATION

CAS REGISTRY #: 68476-86-8 CHEMICAL FAMILY: PARAFFIN SERIES HYDROCARBON
TRADE NAME: AERON A-17 EMPIRICAL FORMULA: C4H10
CHEMICAL NAME: NORMAL BUTANE

SECTION II HAZARDOUS COMPONENTS

Table with 3 columns: INGREDIENT, PERCENT, TLV (PPM). Row 1: LIQUIFIED PETROLEUM GAS, 100, 1000

'PHYSICAL HAZARD' DUE TO FLAMMABLE NATURE. FLAMMABLE WHEN COMBINED WITH AIR.

SECTION III PHYSICAL DATA

BOILING POINT: 31.1 DEG F SPECIFIC GRAVITY (H2O = 1.00): .584
VAPOR PRESSURE @ 70 DEG F: 17 PSIG PERCENT VOLATILE BY VOLUME (%): 100
VAPOR DENSITY (AIR = 1.00): 2.006 SOLUBILITY IN WATER @ 70 DEG F: .008% WT.
EVAPORATION RATE: IMMEDIATE AT TEMPERATURES OVER 31.1 F @ 1 ATM.
APPEARANCE & ODOR: LIQUID-CLEAR; VAPOR-NONVISIBLE; ODOR-SWEET PETROLEUM

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): -101 DEG F (OPEN CUP)
LOWER EXPLOSION LIMIT: 1.9 % (VOL.) GAS IN AIR
UPPER EXPLOSION LIMIT: 8.5 % (VOL.) GAS IN AIR
EXTINGUISHING MEDIA: DRY 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 MIXTURE 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
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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, UNCONCIOUSNESS, AND DEATH FROM ASPHYXIATION, DEPENDING ON CONCENTRATION AND TIME OF EXPOSURE.

SKIN CONTACT- CAN CAUSE SEVERE FREEZE BURNS SIMILAR TO FROSTBITE.

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- WARM AREAS GRADUALLY 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.

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SECTION VI REACTIVITY DATA
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STABILITY: STABLE

HAZARDOUS POLYMERIZATION: CAN NOT OCCUR

INCOMPATABILITY (MATERIALS TO AVOID):

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE, VOLATILE HYDROCARBON VAPORS

CONDITIONS TO AVOID: HIGH HEAT, SPARK, AND OPEN FLAMES
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SECTION VII SPILL OR LEAK PROCEDURES
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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. **
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SECTION VIII SPECIAL PROTECTION INFORMATION
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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
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SECTION IX SPECIAL PRECAUTIONS
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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

COMPLY WITH STATE AND LOCAL REGULATIONS COVERING LIQUIFIED PETROLEUM GASES. COMPLY WITH NFPA PAMPHLET #58.

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