



chemists helping chemists in research & industry

aldrich chemical co.

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DATE: 08/05/91
CUST#: 938609
PO#: P0068929

M A T E R I A L S A F E T Y D A T A S H E E T PAGE 1

----- IDENTIFICATION -----

PRODUCT #: P5160-5
CAS #: 93-55-0
MF: C9H10O

NAME: PROPIOPHENONE, 99%

SYNONYMS

ETHYL PHENYL KETONE * KETONE, ETHYL PHENYL * PHENYL ETHYL KETONE * 1-PHENYL-1-PROPANONE * 1-PROPANONE, 1-PHENYL- * PROPIONYLBENZENE * USAF EK-1235 *

----- TOXICITY HAZARDS -----

RTECS NO: UG7175000

PROPIOPHENONE

IRRITATION DATA

SKN-RBT 500 MG/24H MLD
EYE-RBT 500 MG/24H MLD

85JCAE -,291,86
85JCAE -,291,86

TOXICITY DATA

ORL-RAT LD50:4490 MG/KG
IPR-MUS LD50:100 MG/KG
SCU-MUS LD50:2250 MG/KG
SKN-RBT LD50:4490 MG/KG

TXAPA9 28,313,74
NTIS** AD277-689
ARZNAD 5,559,55
TXAPA9 28,313,74

REVIEWS, STANDARDS, AND REGULATIONS

NOHS 1974: HZD 84564; NIS 2; TNF 35; NOS 2; TNE 972
NOES 1983: HZD 84564000; TNF 1; NIS 21; NOS 5; TNE 4354; TFE 729
EPA TSCA CHEMICAL INVENTORY, JUNE 1990
EPA TSCA SECTION 8(E) STATUS REPORT 8EHQ-0580-0341
EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, MARCH 1991

ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION.

----- HEALTH HAZARD DATA -----

ACUTE EFFECTS

MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.
MAY CAUSE IRRITATION.
TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

FIRST AID

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES.
IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS AMOUNTS OF WATER.
IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

CONTINUED ON NEXT PAGE

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MF: C9H10O

NAME: PROPIOPHENONE, 99%

----- HEALTH HAZARD DATA -----

IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.
CALL A PHYSICIAN.
WASH CONTAMINATED CLOTHING BEFORE REUSE.

----- PHYSICAL DATA -----

BOILING PT: 218 C
MELTING PT: 18 C
SPECIFIC GRAVITY: 1.009
VAPOR PRESSURE: 1 MM @ 50 C
APPEARANCE AND ODOR
COLORLESS TO YELLOW LIQUID

----- FIRE AND EXPLOSION HAZARD DATA -----

FLASHPOINT: 190 F
EXTINGUISHING MEDIA
CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.
WATER SPRAY.
SPECIAL FIREFIGHTING PROCEDURES
WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO
PREVENT CONTACT WITH SKIN AND EYES.
COMBUSTIBLE LIQUID.
UNUSUAL FIRE AND EXPLOSION HAZARDS
EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

----- REACTIVITY DATA -----

INCOMPATIBILITIES
STRONG OXIDIZING AGENTS
STRONG BASES
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
TOXIC FUMES OF:
CARBON MONOXIDE, CARBON DIOXIDE

----- SPILL OR LEAK PROCEDURES -----

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED
EVACUATE AREA.
WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY
RUBBER GLOVES.

CONTINUED ON NEXT PAGE

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PAGE 3

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PRODUCT #: P5160-5
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NAME: PROPIOPHENONE, 99%

SPILL OR LEAK PROCEDURES

COVER WITH DRY LIME OR SODA ASH, PICK UP, KEEP IN A CLOSED CONTAINER AND HOLD FOR WASTE DISPOSAL.
VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.
WASTE DISPOSAL METHOD
THIS COMBUSTIBLE MATERIAL MAY BE BURNED IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER.
OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

CHEMICAL SAFETY GOGGLES.
COMPATIBLE CHEMICAL-RESISTANT GLOVES.
NIOSH/MSHA-APPROVED RESPIRATOR.
SAFETY SHOWER AND EYE BATH.
MECHANICAL EXHAUST REQUIRED.
AVOID BREATHING VAPOR.
AVOID CONTACT WITH EYES, SKIN AND CLOTHING.
AVOID PROLONGED OR REPEATED EXPOSURE.
WASH THOROUGHLY AFTER HANDLING.
KEEP TIGHTLY CLOSED.
KEEP AWAY FROM HEAT AND OPEN FLAME.
STORE IN A COOL DRY PLACE.

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