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ATTN: SAFETY DIRECTOR
SCHOOLCRAFT COLLEGE
18600 HAGGERTY ROAD
LIVONIA MI 48152

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

MATERIAL SAFETY DATA SHEET

IDENTIFICATION

PRODUCT #: A1060-4 NAME: ACETONYLACETONE, 97%
CAS #:110-13-4
MF: C6H1002

SYNONYMS
ACETONE, ACETONYL- * ACETONYL ACETONE * DIACETONYL * ALPHA,BETA-DIACETYLETHANE * 1,2-DIACETYLETHANE * 2,5-DIKETOHEXANE *

TOXICITY HAZARDS

RTECS NO: MO3150000
2,5-HEXANEDIONE
IRRITATION DATA
EYE-RBT 19 MG — AJOPAA 29,1363,46
EYE-RBT 100 MG/24H MOD — 85JCAE -,285,86
TOXICITY DATA
ORL-RAT LD50:2076 MG/KG — IJEBA6 24,371,86
IPR-RAT LD50:800 MG/KG — 38MKAJ 2C,4777,82
ORL-MUS LD50:2386 MG/KG — JAPMA8 45,669,56
IPR-MUS LD50:1600 MG/KG — 38MKAJ 2C,4777,82
SKN-GPG LD50:6422 MG/KG — JIHTAB 26,269,44
REVIEWS, STANDARDS, AND REGULATIONS
EPA TSCA CHEMICAL INVENTORY, JUNE 1990
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
HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN.
VAPOR OR MIST IS IRRITATING TO THE EYES, MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT.
CAUSES SKIN IRRITATION.
CHRONIC EFFECTS
NEUROTOXIC EFFECTS
DERMATITIS
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.

CONTINUED ON NEXT PAGE

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HEALTH HAZARD DATA

IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.
IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.
CALL A PHYSICIAN.
WASH CONTAMINATED CLOTHING BEFORE REUSE.

PHYSICAL DATA

BOILING PT: 191 C
MELTING PT: -6 C TO -5 C
SPECIFIC GRAVITY: 0.973
VAPOR PRESSURE: .43 MM @ 20 C
3 MM @ 55 C
APPEARANCE AND ODOR
YELLOW LIQUID

FIRE AND EXPLOSION HAZARD DATA

FLASHPOINT: 174 F
EXTINGUISHING MEDIA
WATER SPRAY.
CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.
SPECIAL FIREFIGHTING PROCEDURES
WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.
COMBUSTIBLE.

REACTIVITY DATA

INCOMPATIBILITIES
STRONG OXIDIZING AGENTS
STRONG BASES
STRONG REDUCING AGENTS
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.

CONTINUED ON NEXT PAGE

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

WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES.
ABSORB ON SAND OR VERMICULITE AND PLACE IN CLOSED CONTAINERS FOR 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.
RUBBER GLOVES.
NIOSH/MSHA-APPROVED RESPIRATOR.
SAFETY SHOWER AND EYE BATH.
USE ONLY IN A CHEMICAL FUME HOOD.
DO NOT BREATHE VAPOR.
DO NOT GET IN EYES, ON SKIN, ON CLOTHING.
AVOID PROLONGED OR REPEATED EXPOSURE.
READILY ABSORBED THROUGH SKIN.
WASH THOROUGHLY AFTER HANDLING.
IRRITANT.
NEUROLOGICAL HAZARD.
KEEP TIGHTLY CLOSED.
KEEP AWAY FROM HEAT AND OPEN FLAME.
STORE IN A COOL DRY PLACE.

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