ATTN: SAFETY DIRECTOR
LANCE URVEN
UNIVERSITY OF WISCONSIN WHITewater
P.O. BOX 296
WHITewater WI 53190-0296

DATE: 06/21/93
CUST#: 523216
PD#: Q01802

MATERIAL SAFETY DATA SHEET

PRODUCT #: M2990-8
CAS #: 93-58-3
NAME: METHYL BENZOATE, 99%
MF: C8H8O2

SYNONYMS
ESSENCE OF NIODE * METHYL BENZENECARBOXYLATE * METHYL BENZOATE *
METHYLESTER KYSELINY BENZODOE (CZECH) * NIODE OIL * OIL OF NIODE *
OXIDATE LE *

ECNS #: DH3850000
BENOIC ACID, METHYL ESTER

IRRITATION DATA
SKN-RRT 10 MG/24H OPEN MLD
SKN-RRT 500 MG/24H MLD
YE-RRT 500 MG OPEN
YE-RRT 500 MG/24H MLD

LC50 DATA
ORL-RAT LD50=1177 MG/KG
ORL-MUS LD50=3330 MG/KG
ORL-RAT LD50=2170 MG/KG
ORL-6PG LD50=4100 MG/KG

EVIEWS, STANDARDS, AND REGULATIONS
NOHS 1974: HD1 M1650; NIS 3; TNF 61; NOS 6; TNE 1002
NOES 1983: HD1 M1650; NIS 51; TNF 4188; NOS 60; TNE 73641; TFE 25030
EPA TSCA CHEMICAL INVENTORY, JUNE 1990
EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, JANUARY 1993

ARGENT ORGAN DATA
BEHAVIORAL (CHANGE IN MOTOR ACTIVITY)
GASTROINTESTINAL (HYPERMOTILITY, DIARRHEA)
SKIN AND APPENDAGES (HAIR)
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
HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN.
VAPOR OR MIST IS IRRITATING TO THE EYES, MUCOUS MEMBRANES AND UPPER

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--- HEALTH HAZARD DATA ---

RESPIRATORY TRACT:
CAUSES SKIN IRRITATION.
MAY CAUSE ALLERGIC RESPIRATORY AND SKIN REACTIONS.
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.
IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.
CALL A PHYSICIAN.
WASH CONTAMINATED CLOTHING BEFORE REUSE.

--- PHYSICAL DATA ---

BOILING POINT: 198 C TO 199 C
MELTING POINT: -12 C
SPECIFIC GRAVITY: 1.094
VAPOR DENSITY: 4.68
VAPOR PRESSURE: <1 MM Hg 20 C

PEACE AND ODOR:
COLORLESS LIQUID

--- FIRE AND EXPLOSION HAZARD DATA ---

FLASHPOINT 181 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
CONTINUE ON NEXT PAGE.
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--- FIRE AND EXPLOSION HAZARD DATA ---
PREVENT CONTACT WITH SKIN AND EYES.

COMBUSTIBLE LIQUID.

NUISANCE FIRE AND EXPLOSION HAZARDS
EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

--- REACTIVITY DATA ---

INCOMPATIBILITIES
STRONG OXIDIZING AGENTS
STRONG BASES

AZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
TOXIC FUMES OF: CARBON MONOXIDE, CARBON DIOXIDE

--- SPILL OR LEAK PROCEDURES ---

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

ASTE 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.

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--- PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE ---

HARMFUL LIQUID.
IRRITANT.
SENSITIZER.
KEEP TIGHTLY CLOSED.
KEEP AWAY FROM HEAT AND OPEN FLAME.
STORE IN A COOL DRY PLACE.

LABEL PRECAUTIONARY STATEMENTS

HARMFUL BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.
IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.
MAY CAUSE SENSITIZATION BY INHALATION AND SKIN CONTACT.
COMBUSTIBLE.
KEEP AWAY FROM HEAT AND OPEN FLAME.
IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE (SHOW THE LABEL WHERE POSSIBLE).
IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.
TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING.
WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.

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