

ALDRICH CHEMICAL COMPANY, INC. P.O. BOX 355 MILWAUKEE, WISCONSIN 53201, USA

ATTN: SAFETY DIRECTOR

EMERGENCY PHONE 1-414-273-3850

CUST#: 938609 PO#: 86375 DATE

RECVG DOCK SCHOOLCRAFT COLLEGE 18600 HAGGERTY ROAD TY ROAD 48152-3932 LIVONIA MI

SECTION 1. - -

NAME:

HARMFUL HARMFUL

CATALOG #:

MATERIAL SAFETY DATA SHEET PAGE - - - CHEMICAL IDENTIFICATION- -V110-4 VANILLIN, 99% SECTION 2. - - - - COMPOSITION/INFORMATION ON INGREDIENTS -CAS #: 121-33-5 MF: C8H8O3 EC NO: 204-465-2 SYNONYMS
M-ANISALDEHYDE, 4-HYDROXY- * BENZALDEHYDE, 4-HYDROXY-3-METHOXY- * PHYDROXY-M-METHOXYBENZALDEHYDE * 4-HYDROXY-3-METHOXYBENZALDEHYDE *
LIOXIN * 3-METHOXY-4-HYDROXYBENZALDEHYDE * METHYLPROTOCATECHUIC
ALDEHYDE * PROTOCATECHUALDEHYDE, METHYL- * VANILLA * VANILLALDEHYDE *
VANILLIC ALDEHYDE * P-VANILLIN * VANILLINE * ZIMCO * SECTION 3. - - - - -- HAZARDS IDENTIFICATION -LABEL PRECAUTIONARY STATEMENTS HARMFUL IF SWALLOWED.
IRRITATING TO EYES.
IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.
WEAR SUITABLE PROTECTIVE CLOTHING.
AIR, LIGHT AND MOISTURE SENSITIVE.
KEEP TIGHTLY CLOSED.

SECTION 4. - - -- - - FIRST-AID MEASURES- - -

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.

SECTION 5. - - - -- - FIRE FIGHTING MEASURES -

EXTINGUISHING MEDIA WATER SPRAY. CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.

SPECIAL FIREFIGHTING PROCEDURES WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO CONTINUED ON NEXT PAGE

6335

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DATA

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SHEET

CATALOG #: V110-4 NAME: VANILLIN, 99% PREVENT CONTACT WITH SKIN AND EYES. SECTION 6. - - - - - - ACCIDENTAL RELEASE MEASURES- - - -WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES.
SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.
AVOID RAISING DUST.
VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE. SECTION 7. - - - -- - - - HANDLING AND STORAGE- - -REFER TO SECTION 8. SECTION 8. - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION - -CHEMICAL SAFETY GOGGLES.
RUBBER GLOVES.
NIOSH/MSHA-APPROVED RESPIRATOR.
SAFETY SHOWER AND EYE BATH.
MECHANICAL EXHAUST REQUIRED.
AVOID INHALATION.
DO NOT GET IN EYES, ON SKIN, ON WASH THOROUGHLY AFTER HANDLING.
HARMFUL SOLID.
EYE IRRITANT.
KEEP TIGHTLY CLOSED.
STORE IN A COOL DRY PLACE. ON CLOTHING. SECTION 9. - - - - - PHYSICAL AND CHEMICAL PROPERTIES APPEARANCE AND ODOR WHITE CRYSTALLINE POWDER 81 C TO 83 C 1MM 107 C 5.3 PHYSICAL PROPERTIES BOILING POINT: MELTING POINT: WAPOR PRESSURE: VAPOR DENSITY: SECTION 10. - -- -STABILITY AND REACTIVITY -INCOMPATIBILITIES STRONG OXIDIZING AGENTS
STRONG BASES
STRONG REDUCING AGENTS
PERCHLORIC ACID
MAY DISCOLOR ON EXPOSURE TO LIGHT.
AIR SENSITIVE MOISTURE SENSITIVE HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

CONTINUED ON NEXT PAGE

SAFETY

MATERIAL



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MATERIAL SAFETY DATA SHEET PAGE CATALOG #: V110-4 NAME: VANILLIN, 99% TOXIC FUMES OF: CARBON MONOXIDE, CARBON DIOXIDE SECTION 11. - -- TOXICOLOGICAL INFORMATION . ACUTE EFFECTS

HARMFUL IF SWALLOWED.

MAY BE HARMFUL IF INHALED.

MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN.

CAUSES EYE IRRITATION.

MAY CAUSE SKIN IRRITATION. RTECS #: YW5775000 VANILLIN TOXICITY DATA

ORL-RAT LD50:1580 MG/KG
IPR-RAT LD50:1160 MG/KG
SCU-RAT LD50:1500 MG/KG
ORL-MUS LD50:3925 MG/KG
IPR-MUS LD50:475 MG/KG
SKN-RBT LD50:>5010 MG/KG
ORL-GPG LD50:1400 MG/KG 2,327,1964 243,609,1956 16,449,1896 OT\$0536271 44A,78,1967 OT\$0533712 2,327,1964 **FCTXAV** COREAF RMSRA6 NTIS** FAONAU NTIS** FCTXAV TARGET ORGAN DATA

SENSE ORGANS AND SPECIAL SENSES (MIOSIS)

BEHAVIORAL (SOMNOLENCE)

BEHAVIORAL (MUSCLE WEAKNESS)

BEHAVIORAL (COMA)

VASCULAR (BP LOWERING NOT CHARACTERIZED IN AUTONOMIC SECTION)

VASCULAR (ACUTE ARTERIAL OCCULSION)

LUNGS, THORAX OR RESPIRATION (RESPIRATORY STIMULATION)

LUNGS, THORAX OR RESPIRATION (OTHER CHANGES)

LIVER (JAUNDICE, OTHER OR UNCLASSIFIED)

MATERNAL EFFECTS (OVARIES, FALLOPIAN TUBES)

MATERNAL EFFECTS (UTERUS, CERVIX, VAGINA)

ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION. COMPLETE INFORMATION. SECTION 12. - - - -- - - ECOLOGICAL INFORMATION -DATA NOT YET AVAILABLE. SECTION 13. -- DISPOSAL CONSIDERATIONS -DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER. OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS. SECTION 14. - -- - TRANSPORT INFORMATION - -CONTACT ALDRICH CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION. CONTINUED ON NEXT PAGE 6337

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V110-4 VANILLIN, 99%

SECTION 15. - - -- REGULATORY INFORMATION -

EUROPEAN INFORMATION

HARMFUL R 22

HARMFUL IF SWALLOWED.

R 36 IRRITATING TO EYES.

26 IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.
S 36

WEAR SUITABLE PROTECTIVE CLOTHING.

REVIEWS, STANDARDS, AND REGULATIONS

OEL=MAK
NOHS 1974: HZD M0609; NIS 14; TNF 378; NOS 28; TNE 6740
NOES 1983: HZD M0609; NIS 89; TNF 10912; NOS 97; TNE 177946; TFE 69887
EPA TSCA SECTION 8(B) CHEMICAL INVENTORY
EPA TSCA SECTION 8(D) UNPUBLISHED HEALTH/SAFETY STUDIES
EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, SEPTEMBER 1997

SECTION 16. - - - OTHER INFORMATION- - -

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