

FISHER SCIENTIFIC -- MUREXIDE POWDER, M274 5 -- 6810-00-312-6846

===== Product Identification =====

Product ID:MUREXIDE POWDER, M274 5

MSDS Date:12/12/1997

FSC:6810

NIIN:00-312-6846

Status Code:A

MSDS Number: CJSDN

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC

Address:ONE REAGENT LANE

City:FAIRLAWN

State:NJ

ZIP:07410

Country:US

Info Phone Num:201-796-7100

Emergency Phone Num:(800)424-9

300

Chemtec Ind/Phone:(800)424-9300

CAGE:1B464

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address:1 REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100

CAGE:1B464

===== Composition/Information on Ingredients =====

Ingred Name:ALLOXANTIN

Ingred Name:2,4,6(1H,3H,5H)-PYRIMIDINETRIONE,
5-.(.(HEXAHYDRO-2,4,6-TRIOXO-5-PYRIMIDINYL)IMINO.).-, MONOAMMONIUM
SALT

CAS:3051-09-0

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Hazards Identification =====

LD50 LC50 Mixture:NOT AVAILABLE

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYE: NO INFORMATION REGARDING EYE IRRITATION AND OTHER POTENTIAL EFFECTS WAS FOUND. SKIN: NO INFORMATION REGARDING SKIN IRRITATION AND OTHER POTENTIAL EFFECTS WAS FOUND. INGESTION: THE TOXICOLOGICAL PROPERTIES OF THIS SUBSTANCE HAVE NOT BEEN FULLY INVESTIGATED. INH

ALATION: THE TOXICOLOGICAL PROPERTIES OF THIS SUBSTANCE HAVE NOT BEEN FULLY INVESTIGATED. CHRONIC: NO INFORMATION FOUND.

Effects of Overexposure:SEE HEALTH HAZARDS.

===== First Aid Measures =====

First Aid:EYES: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, OCCASIONALLY LIFTING UPPER & LOWER LIDS. GET MEDICAL AID. SKIN: FLUSH SKIN WITH PLENTY OF SOAP & WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING & SHOES. GET MEDICAL AID IF IRRITATION DEVELOPS OR PERSISTS. INGESTION: IF VICTIM IS CONSCIOUS & ALERT, GIVE 2-4 CUPS OF MILK OR WATER. GET MEDICAL AID IMMEDIATELY. INHALATION: REMOVE FROM EXPOSURE TO FRESH AIR IMMEDIATELY. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL AID IF COUGH OR OTHER SYMPTOMS APPEAR. NOTES TO MD: TREAT SYMPTOMATICALLY & SUPPORTIVELY. ANTIDOTE: NO SPECIFIC ANTIDOTE EXISTS.

===== Fire Fighting Measures =====

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Lower Limits:NOT AVAILABLE

Upper Limits:NOT AVAILABLE

Extinguishing Media:FOR SMALL FIRES, USE WATER SPRAY, DRY CHEMICAL, CARBON DIOXIDE OR CHEMICAL FOAM.

Fire Fighting Procedures:USE NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT. NFPA RATING: NOT PUBLISHED.

Unusual Fire/Explosion Hazard:DUSTS AT SUFFICIENT CONCENTRATIONS CAN FORM EXPLOSIVE MIXTURES WITH AIR.

===== Accidental Release Measures =====

Spill Release Procedures:USE PROPER PERSONAL PROTECTIVE

EQUIPMENT AS

INDICATED IN SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION. WEAR A NIOSH APPROVED SELF CONTAINED BREATHING APPARATUS AND APPROPRIATE PERSONAL PROTECTIO N. SWEEP UP, THEN PLACE INTO A SUITABLE CONTAINER FOR DISPOSAL.

==== Handling and Storage =====

Handling and Storage Precautions:WASH THOROUGHLY AFTER HANDLING. REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE. USE WITH ADEQUATE VENTILATION. MINIMIZE DUST GENERATIO N AND ACCUMULATION. AVOID CONTACT WITH SKIN AND EYES. KEEP CON TAINER TIGHTLY CLOSED. AVOID INGESTION AND INHALATION.

Other Precautions:STORE IN A TIGHTLY CLOSED CONTAINER. STORE IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM INCOMPATIBLE SUBSTANCES.

==== Exposure Controls/Personal Protection =====

Respiratory Protection:FOLLOW THE OSHA RESPIRATORY REGULATIONS FOUND IN 29 CFR 1910.134 OR EUROPEAN STANDARD EN 149. ALWAYS USE A NIOSH OR EUROPEAN STANDARD EN 149 APPROVED RESPIRATOR WHEN NECESSARY.

Ventilation:USE ADEQUATE VENTILATION TO KEEP AIRBORNE CONCENTRATIONS LOW.

Protective Gloves:IMPERVIOUS GLOVES .

Eye Protection:ANSI APPROVED CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:ANSI APPROVED EYE WASH AND DELUGE SHOWER . WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT SKIN EXPOSURE.

Supplemental Safety and Health

EXPOSURE LIMITS: ALLOXANTIN: NO OSHA VACATED PELS ARE LISTED FOR THIS CHEMICAL. PHYSICAL DATA: MOLECULAR FORMULA: C 8H8N6O6.

==== Physical/Chemical Properties =====

Boiling Pt:B.P. Text:NOT AVAILABLE

Melt/Freeze Pt:=355.C, 671.F

Decomp Temp:Decomp Text:NOT AVAILALBE

Vapor Pres:NEGLIGIBLE

Vapor Density:NOT AVAIL

Spec Gravity:NOT AVAILABLE

pH:ALKALINE

Viscosity:NOT AVAILABLE

Solubility in Water:SLIGHTLY

Appearance and Odor:RED-PURPLE SOLID; ODORLESS.

==== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES STRONG OXIDIZERS.

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tability Condition to Avoid:INCOMPATIBLE MATERIALS. STABLE UNDER
NORMAL TEMPERATURES AND PRESSURES.

Hazardous Decomposition Products:NITROGEN OXIDES, CARBON MONOXIDE,
CARBON DIOXIDE.

===== Toxicological Information =====

Toxicological Information:CAS # UNLISTED, CAS # 3051-09-0: LD50/LC50
NOT AVAILABLE. CAS # UNLISTED: NOT LISTED BY ACGIH, IARC, NIOSH,
NTP OR OSHA. CAS # 3051-09-0; NOT LISTED BY ACGIH, IARC, NIOSH, NTP
OR OSHA. EPIDEMIOLOGY: N O
INFORMATION AVAILABLE. TERATOGENICITY:
NO INFORMATION AVAILABLE. REPRODUCTIVE EFFECTS: NO INFORMATION
AVAILABLE. NEUROTOXICITY: NO INFORMATION AVAILABLE. MUTAGENICITY:
NO INFORMATION AVAILABLE. OTHE R STUDIES: NONE.

===== Ecological Information =====

Ecological:ECOTOXICITY: NO INFORMATION AVAILABLE. ENVIRONMENTAL FATE:
NO INFORMATION REPORTED. PHYSICAL/CHEMICAL: NO INFORMATION
AVAILABLE. OTHER: NONE. OTHER INFO: INFO AVAIL. CANADA - CAS

#3051-09-0 IS LISTED ON CANADA'S DSL/NDSL LIST. PROD HAS WHMIS
CLASSIFICATION OF NOT CONTROLLED. CAS # UNLISTED: NOT LISTED ON
CANADA'S INGRED DISCLOSURE LIST. CAS #3051-09-0: NOT LISTED ON
CANADA'S INGRED DISCLOSURE LIST . EXPOS LIMS - CAS # (LISTED AS
TELLURIUM): OEL-AUSTRALIA:TWA 0.1 MG/M3. OEL-BELGIUM:TWA 0.1 MG/M3.
OEL-DENMARK:TWA 0.1 MG/M3. OEL-FINLAND:TWA 0.1 MG/M3; STEL 0.3
MG/M3. OEL-FRANCE:TWA 0.1 MG/M3. OEL- GERMANY:TWA 0.1 MG/M3.
(TRANSPORT INFO)

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===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF IN A MANNER CONSISTENT WITH FEDERAL,
STATE AND LOCAL REGULATIONS. RCRA D-SERIES MAXIMUM CONCENTRATION OF
CONTAMINANTS: NONE LISTED. RCRA D-SERIES CHRONIC TOXICITY REFERENCE
LEVELS: NONE LIS TED. RCRA F-SERIES: NONE LISTED. RCRA P-SERIES:
NONE LISTED. RCRA U-SERIES: NONE LISTED.

===== MSDS Transport Information =====

Transport Information:SHIPPING NAME

- US DOT: NO INFORMATION AVAILABLE.

IATA: NO INFORMATION AVAILABLE. RID/ADR: NO INFORMATION AVAILABLE.

IMO: NO INFORMATION AVAILABLE. CANADA TDG: NO INFORMATION AVAILABLE. ECOLOGICAL IN FO: OEL-THE NETHERLANDS:TWA 0.1

MG/M3.OEL-THE PHILIPPINES:TWA 0.1 MG/M3. OEL-SWEDEN:TWA 0.1 MG/M3.

OEL-SWITZERLAND:TWA 0.1 MG/M3; STEL 0.5 MG/M3. JAN9 OEL-TURKEY:TWA

0.1 MG/M3. OEL-UNITED KINGDOM:TWA 0.1 MG/M3. OEL IN BULGARIA,

COLOMBIA, JORDAN, KOREA CHECK ACGIH TLV. OEL IN NEW ZEAL

AND,

SINGAPORE, VIETNAM CHECK ACGIH TLV.

==== Regulatory Information =====

SARA Title III Information:SECTION 302 (RQ): NONE OF THE CHEMICALS IN THIS MATERIAL HAVE AN RQ. SECTION 302 (TPQ): NONE OF THE CHEMICALS IN THIS PRODUCT HAVE A TPQ. SECTION 313: NO CHEMICALS ARE REPORTABLE UNDER SECTION 313.

Federal Regulatory Information:CAS # UNLISTED: NOT LISTED ON TSCA INVENTORY. IT IS FOR RESEARCH & DEVELOPMENT USE ONLY. CAS #3051-09-0 IS L

ISTED ON TSCA INVENTORY. NONE OF CHEMS ARE ON HEALTH & SAFETY REPORTING LIST. NONE OF CHEMS IN PROD ARE UNDER CHEMICAL TEST RULE. NONE OF CHEMS ARE LISTED UNDER TSCA SECTION 12B. NONE OF CHEMS IN MATL HAVE SNUR UNDER TSCA. CLEAN AIR ACT: THIS MATL DOES NOT CONTAIN ANY HAZ AIR POLLUTANTS. THIS MATL DOES NOT CONTAIN ANY CLASS 1 OZONE DEPLETORS. THIS MATL DOES NOT CONTAIN ANY CLASS 2 OZONE DEPLETORS. CLEAN WATER ACT: NONE OF CHEMS IN THIS PROD ARE LISTED AS HAZ SUBSTA

NCES UNDER CWA. NONE OF CHEMS (OTHER INFO)

State Regulatory Information:CAS # UNLISTED: IS NOT PRESENT ON STATE LISTS FROM CA, PA, MN, MA, FL OR NJ. CAS #3051-09-0 IS NOT PRESENT ON STATE LISTS FROM CA, PA, MN, MA, FL OR NJ. CALIFORNIA NO SIGNIFICANT RISK LEVEL: NONE OF THE CHEMICALS IN THIS PRODUCT ARE LISTED.

==== Other Information =====

Disclaimer (provided with this information by the compiling agencies):

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ted for use by elements of the Department

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particular situation.