

ALDRICH CHEMICAL CO INC./SUB OF SIGMA-ALDRICH CORP -- T9020-4 L-TRYPTOPHAN, 99% --
6810-01-446-5533

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

Product ID:T9020-4 L-TRYPTOPHAN, 99%

MSDS Date:10/10/1995

FSC:6810

NIIN:01-446-5533

MSDS Number: CFLJD

=== Responsible Party ===

Company Name:ALDRICH CHEMICAL CO INC./SUB OF SIGMA-ALDRICH CORP

Address:1001 W. ST. PAUL AVE

Box:355

City:MILWAUKEE

State:WI

ZIP:53201

C

Country:US

Info Phone Num:414-273-3850/FAX -4979

Emergency Phone Num:414-273-3850

CAGE:60928

=== Contractor Identification ===

Company Name:ALDRICH CHEMICAL CO INC

Address:1001 WEST ST PAUL AVE

Box:355

City:MILWAUKEE

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

Ingred Name:L-TRYPTOPHAN

CAS:73-22-3

RTECS #:YN6130000

Fraction by Wt: 99%

Other REC Limits:NONE RECOMMENDED

===== Hazards Identificati

on =====

LD50 LC50 Mixture:ORAL, RAT LD50>16GM/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:MAY BE HARMFUL BY INHAL/INGEST/SKIN

ABSORPTION.MAY CAUSE EYE/SKIN IRRIT.FOOD/DRUG ADMIN & CENTER FOR DISEASE CONTROL HAVE ESTABLISHED LINK BETWEEN L-TRYPTOPHAN & SOMETIMES FATAL BLOOD DISORDER CALLED EOSINOPHILA-MYALGIA SYNDROME WHICH IS MARKED BY SEVERE MUSCLE & JOINT P

AIN,SWELLING OF

ARMS/LEGS,SKIN RASH,(SUPPLEMENT)

Explanation of Carcinogenicity:PER MSDS:CARCINOGEN NO EVIDENCE.

Effects of Overexposure:SEE HEALTH HAZARDS SECTION ABOVE.

Medical Cond Aggravated by Exposure:NONE SPEC BY

MFG.TARORG:BEHAVIORAL(EXCITEMENT,ANTIANSIETY),LUNGS,THORAX,RESPIRATION,KID/URETER,BLADDER(BLADDER TUMORS),BLOOD(EOSINOPHILIA),MUSCULO-SKELETAL,SKIN/APPENDAGES,MATERNAL EFFECTS,NUTR,TUMORG

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

First Aid:IN CASE OF CONTACT IMMEDIATELY FLUSH EYE WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. IN CASE OF CONTACT IMMEDIATELY WASH SKIN WITH SOAP/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 PHYSICIAN.

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

Flash Point:NON-COMBUSTIBLE

Lower Limits:NP

Upper Limits:NP

Extingu

ishing Media:WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS & PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN/EYES.

Unusual Fire/Explosion Hazard:EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

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

Spill Release Procedures:WEAR RESPIRATOR,CHEM SAFETY GOGGLES,RUBBER BOOTS & HEAVY RUBBER GLOVES.SPILLED MATERIAL SHOULD BE CAREFULLY WIPED UP OR ABSORBED

ITENED W/WATER AND REMOVE. VENTILATE AREA & WASH SPILL SITE AFTER
MATL PICKUP IS COMP LETE.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions: KEEP TIGHTLY CLOSED. STORE IN COOL DRY
PLACE.

Other Precautions: NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection: NIOSH/MSHA APPROVED RESPIRATOR.

Ventilation: MECHANICAL EXHA

UST REQUIRED.

Protective Gloves: COMPATIBLE CHEM-RESIST GLVOES.

Eye Protection: CHEM SAF GOGGLES

Other Protective Equipment: SAF SHOWER & EYE BATH.

Work Hygienic Practices: WASH CONTAM CLOTH BEFORE REUSE. AVOID

INHAL/CONTACT W/EYE/SKIN/CLOTH. AVOID PROL/REP EXPO. WASH THOROUGHLY
AFTER HNDLG.

Supplemental Safety and Health

HEALTH: SOMETIMES FEVER. ITS CHARACTERIZED BY SEVERE EOSINOPHILLIA, A
BLOOD DISORDER IN WHICH WHITE BLOOD CELLS INCR TO ABNORMALLY HIGH
LEVEL. L-TRYPTOPHAN OCCURS NATURALL

Y IN MANY FOODS. INVESTIGATION HAS

NOT ESTABLISHED WHETHER IT OR IMPURITY INTRO DURING MFG OR
DISTRIBUTION IS CAUSE.

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

HCC: N1

Boiling Pt: B.P. Text: NP

Melt/Freeze Pt: M.P/F.P Text: 536F, 280C

Decomp Temp: Decomp Text: NP

Vapor Pres: NP

Vapor Density: NP

Spec Gravity: NP

pH: NP

Evaporation Rate & Reference: NP

Solubility in Water: NP

Appearance and Odor: WHITE POWDER

Percent Volatiles by Volume: NP

Corrosion Rate: NP

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

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:TOXIC FUMES OF CARBON MONOXIDE AND CARBON DIOXIDE AND NITROGEN OXIDES.

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

Waste Disposal Methods:DISSOLVE OR MIX MATL W/COMBUSTIBLE SOLVT & BURN IN CHEM INCINERATOR EQUIPPED W/AFTERBURNER & SCRUBBER.OBSERVE ALL FED/STATE/LOC ENVIRO REGS.

Disclai

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