View NSN Online: https://aerobasegroup.com/nsn/6810-00-711-2185

Product ID:24526, TOLUENE, 99 % PURE

MSDS Date:11/01/1999

FSC:6810

NIIN:00-711-2185

Status Code:A

MSDS Number: CJZSP === Responsible Party ===

Company Name: RIEDEL-DE HAEN

Address:3050 SPRUCE ST.

City:ST. LOUIS

State:MO ZIP:63178 Country:US

Info Phone Num:314-289-6000

Emergency Phone Num:314-289-6000

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reparer's Name: NOT PROVIDED.

CAGE:TO481

=== Contractor Identification === Company Name:MEXPAR INTL, INC

Address:532 W. FOOTHILL BLVD

Box:City:AZUSA

State:CA ZIP:91702 Country:US

Phone:626-812-6211

Contract Num:SP0450-00-M-D454

CAGE:0P0U1

Company Name: RIEDEL-DE HAEN

Address:3050 SPRUCE ST.

Box:City:ST. LOUIS

State:MO ZIP:63178 Country:US

Phone:314-289-6000

CAGE:TO481

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

Ingred Name: TOLUENE

CAS:108-88-3

RTECS #:XS5250000

= Wt:99.

Other REC Limits:NOT PROVIDED. OSHA PEL:SEE TABLE Z-2

ACGIH TLV:188 MG/M3;50 PPM

EPA Rpt Qty:1000 LBS DOT Rpt Qty:1000 LBS

========== Hazards Identification ===============

LD50 LC50 Mixture:LD50 (ORAL, RAT) 636 MG/KG

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

Health Hazards Acute and Chronic:TARGET ORGANS: LIVER, KIDNEYS, BRAIN AND BLADDER. ACUTE EFFECTS: CAUSES SERVER SKIN IRRITATION. HARMFUL IF ABSORBED THROUGH SKIN. CAUSES SEVERE EYE IRRITATION. HIGH

CONCENTRATIONS ARE EXTREMELY DESTRU CTIVE TO THE TISSUE OF THE MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT. HARMFUL IF SWALLOWED. EXPOSURE CAN CAUSE: LUNG IRRITATION, CHEST PAIN AND EDEMA WHICH MAY BE FATAL. MAY CAUSE NERVOUS SYSTEM DI STURBANCES. TOXIC BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED. CAUSES SEVERE IRRITATION.

Explanation of Carcinogenicity:NONE

Effects of Overexposure: CAUSES SERVER SKIN IRRITATION. HARMFUL IF ABSORBED THROUGH SKIN. CAUSES SEVERE

EYE IRRITATION. HIGH

CONCENTRATIONS ARE EXTREMELY DESTRUCTIVE TO THE TISSUE OF THE MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT. HARMFUL IF SWALLOWED. EXPOSURE CAN CAUSE: LUNG IRRITATION, CHEST PAIN AND EDEMA WHICH MAY BE FATAL. MAY CAUSE NERVOUS SYSTEM DISTURBANCES. TOXIC BY INHALATION, IN CONTACT WITH SKIN AND IF SWAL LOWED. CAUSES SEVERE IRRITATION.

Medical Cond Aggravated by Exposure: NOT PROVIDED.

First Aid:IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHI NG GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

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

Flash Point:=4.4C, 40.F

Lower Limits:1 Upper Limits:7

Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE

FOAM. WATER MAY BE EFFCTIVE FOR COOLING, BUT MAY NOT EFFECT EXTINGUISHMENT.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES. USE WATER SPRAY TO COOL FIRE-EXPOSED CONTAINERS.

Unusual Fire/Explosion Hazard: VAPOR MAY TRAVEL CONSIDERABLE DISTANCE TO SOURCE OF IGNITION AND FLASH BACK. CONTAINER EXPLOSION MAY OCCUR UNDER FIRE CONDITIONS. FLAMMABE LIQUID. EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

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

Spill Release Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES. COVER WITH AN ACTIVATED CARBON ADSORBENT, TAKE UP AND PLACE IN CLOSED CONTAINERS. TRANSPORT OUTDOORS. VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE. EVACUATE AREA. SHUT OFF ALL SOURCES OF IGNITIN. USE NONSPARKING TOOLS.

Neutralizing Agent:NOT RELEVANT.

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nd Storage	=========	==	===	==	==	:=:	_

Handling and Storage Precautions:USE ONLY IN A CHEMICAL FUME HOOD. WASH THOROUGHLY AFTER HANDLING. KEEP TIGHTLY CLOSED. KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. STORE IN A COOL DRY PLACE. Other Precautions:TOXIC. SEVERE IRRITANT.

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

Respiratory Protection:DO NOT BREATHE VAPOR. USE ONLY IN A CHEMICAL FUME HOOD. AVOID PROLONGED OR REPEATED EXPOSURE. SELF-CONTAINED BREATHING APP

ARATUS SHOULD BE WORN.

Ventilation: NOT PROVIDED.

Protective Gloves: CHEMICAL RESISTANT

Eye Protection: CHEMICAL SAFETY GOGGLES.

Other Protective Equipment: SAFETY SHOWE AND EYE BATH.

Work Hygienic Practices: DO NOT GET IN EYES, ON SKIN, ON CLOTHING. WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

NONE

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

HCC:F2 NRC/State Lic Num:NOT RELEVANT. Boiling Pt:B.P. Text:110.6 - 111 C Melt/Freeze Pt:=-93.C, -135.4F Decomp

Temp:Decomp Text:NOT PROVIDED.
Vapor Pres:26 MMHG Vapor Density:3.2 G/L
Spec Gravity:0.865
pH:NOT RELEVANT.
Viscosity:NOT PROVIDED.
Evaporation Rate & Description Reference: NOT PROVIDED.
Solubility in Water:NOT PROVIDED. Appearance and Odor:LIQUID
Percent Volatiles by Volume:99
Corrosion Rate:NOT PROVIDED.
========= Stability and Reactivity Data ==========
Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS.
Stability Condition to Avoid:KEEP AWAY FROM HEAT, SPARKS, AND OPEN
FLAMES.
Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE. Conditions to Avoid Polymerization:WILL NOT OCCUR.
========= Toxicological Information ==========
Toxicological Information:ORL-HMN LDL0: 50 MG/KG. IHL-RAT LC50: 49 GM/M3/4H. IPR-RAT LD50: 1332 MG/KG. IVN-RAT LD50: 1960 MG/KG. UNR-RAT LD50: 6900 MG/KG. SKN-RBT LD50: 14100 UL/KG. ORL-MAM LD50 4 GM/KG.
========== Ecological Information =============
Ecologica
I:DATA NOT YET AVAILABLE.
====== Disposal Considerations =========
Waste Disposal Methods:BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER BUT EXERT EXTRA CARE IN IGNITING AS THIS MATERIAL IS HIGHLY FLAMMABLE. OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGUL ATIONS.
========= MSDS Transport Information ==========
Transport Information:CONTACT SIGMA CHEMICAL CO.
======== Regulatory Infor

mation =========

SARA Title III Information:NOT PROVIDED. Federal Regulatory Information:NOT PROVIDED. State Regulatory Information:NOT PROVIDED.

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