View NSN Online: https://aerobasegroup.com/nsn/6810-00-995-4804

Product ID:21189, DIETHYLENETRIAMINE

MSDS Date:07/22/1999

FSC:6810

NIIN:00-995-4804

Status Code:A

MSDS Number: CKWJN === Responsible Party ===

Company Name: DOW CHEMICAL CO

Address:100 LARKIN CENTER

City:MIDLAND

State:MI ZIP:48674 Country:US

Info Phone Num:800-258-2436 Emergency Phone Num:517-636-44

00

Resp. Party Other MSDS Num.:000071

CAGE:96717

=== Contractor Identification ===

Company Name: DOW CHEMICAL CO

Address:100 LARKIN CENTER

Box:City:MIDLAND

State:MI ZIP:48674 Country:US

Phone:800-258-2436

Contract Num:SP0450-01-M-D381

CAGE:96717

Company Name: TELECHEM INTERNATIONAL, INC

Address:524 E WEDDELL DRIVE SUITE 3

Box:City:SUNNYVALE

State:CA

ZIP:94089-2115

Country:US

Phone:916-941-3688

CAGE:1KH20

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

Ingred Name:DIETHYLENET

RIAMINE CAS:111-40-0 RTECS #:IE1225000 Minumum % Wt:98.5 Maxumum % Wt:99.9 ACGIH TLV:4.2 MG/M3;1 PPM

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

LD50 LC50 Mixture:ORAL LD50 RATS: 1080-2330 MG/KG Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYE: MAY CAUSE SEVERE IRRITATION W/CORNEAL INJURY, MAY RESULT IN PERMANENT IMPAIRMENT OF VISION, EVEN BLINDNESS. VAPORS MAY IRRITATE EYES. SKIN:SHORT SINGLE EXPOSURE MAY CAUSE SEVERE

BURNS,HAS CAUSED ALL ERGIC SKIN REACTIONS. A SINGLE PROLONGED EXPOSURE MAY RESULT IN THE MATERIAL BEING ABSORBED IN HARMFUL AMOUNTS. INGESTION: SINGLE DOSE ORAL TOXICITY IS CONSIDERED LOW. INGESTION MAY CAUSE GASTROINTEST INAL IRRITATION OR ULCERATION,MAY CAUSE BURNS OF MOUTH & THROAT. INHALATION: VAPORS GENERATED AT INCREASED TEMPERATURES OR TO MIST MAY CAUSE SERIOUS ADVERSE EFFECTS,EVEN DEATH.MAY CAUSE SEVERE IRRITAT ION TO UPPER RESPIRATORY TRACT.

Explanation of Ca

rcinogenicity:DID NOT CAUSE CANCER IN LONG-TERM ANIMAL STUDIES.

Effects of Overexposure:EYES: SEVERE IRRITATION, CORNEAL INJURY, PERMANENT VISION IMPAIRMENT/BLINDNESS. SKIN: SEVERE BURNS, ALLERGIC SKIN REACTIONS. INGESTION: GASTROINTESTINAL IRRITATION OR ULCERATION, BURNS TO THROAT & MOU TH. INHALATION: SEVERE IRRITATION TO UPPER RESPIRATORY TRACT, RESPIRATORY SENSITIZATION.

Medical Cond Aggravated by Exposure: EXCESSIVE EXPOSURE MAY AGGRAVATE A PREEXISTING ASTHMA.

First Aid:EYE: IMMEDIATE AND CONTINUOUS IRRIGATION WITH FLOWING WATER FOR AT LEAST 30 MINUTES IS IMPERATIVE. PROMPT MEDICAL CONSULTATION IS ESSENTIAL. SKIN: IMMEDIATE AND CONTINUED THOROUGH WASHING WHILE REMOVI NG CONTAMINATED CLOTHING. PROMPT MEDICAL CONSULTATION IS ESSENTIAL. INGESTION: DO NOT INDUCE VOMITING. GIVE LARGE AMOUNTS OF WATER OR MILK IF AVAILABLE AND TRANSPORT TO MEDICAL FACILITY. INHALATION: R

EMOVE TO FRESH AIR IF EFFECTS OCCUR. CONSULT A PHYSICIAN.

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

Flash Point Method: PMCC Flash Point:=102.C, 215.6F

Autoignition Temp: Autoignition Temp Text: N/D

Lower Limits: 1.9 Upper Limits: 11.6

Extinguishing Media:WATER FOG, FOAM, CO2, AND DRY CHEMICAL. USE POSITIVE PRESSURE, SELF CONTAINED BREATHING APPARATUS. WEAR FULL PROTECTIVE CLOTHING.

Fire Fighting Procedures: KEEP UNNECESSARY PEROPLE AWAY; ISOLATE HAZARD ARE

A AND DENY UNNECESSARY ENTRY. HIGHLY TOXIC FUMES ARE RELEASED IN FIRE SITUATIONS. FIRE WATER RUN OFF MAY BE TOXIC. WHEN USING WATER SPRAY, BOIL OVER MAY OCCUR WHEN THE PRODUCT TEMPERATURE REACHES THE BOILING POINT OF WATER (TANK TYPE SCENARIOS, NOT SPILLS).

Unusual Fire/Explosion Hazard:NO DATA PROVIDED BY MANUFACTURER

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

Spill Release Procedures:SMALL SPILLS: ABSORB WITH MATERIALS SUCH AS: CLAY, DIRT, MILLSORB &

SAND. AVOID MATERIALS SUCH AS: CELLULOSE & SAWDUST. CLEAN UP RESIDUAL WITH NON-COMBUSTIBLE ABSORBENT MATERIAL & WASH WITH WATER. REM OVE WITH SHOVEL. PLACE IN PROPERLY LABELED DRY SEALABLE CONTAINERS. FOR LARGE SPILLS: (SEE OTHER INFORMATION) Neutralizing Agent:NO DATA PROVIDED BY MANUFACTURER.

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

Handling and Storage Precautions:HANDLING: ELECTRICALLY GROUND ALL EQUIPMENT. TO AVOID UNCONTROLLED EMISSIONS VENT VA POR FROM

CONTAINER TO STORAGE TANK. NEVER USE AIR PRESSURE FOR TRANSFERRING PRODUCT. DO NOT EAT, DRINK, OR SMOKE IN WORKING AREA. NO SMOKING, OPEN FLAMES, OR SOURCES OF IGNITION IN HAANDLING AND STORAGE AREA. AVOID

Other Precautions:CONTACT WITH VAPORS FROM HEAD SPACE OF CONTAINER.
MAINTAIN AN INERT ATMOSPHERE. STORAGE: KEEP CONTAINERS TIGHTLY
CLOSED WHEN NOT IN USE. STORE IN STAINLESS STEEL OR ALUMINUM.
MAINTAIN A NITROGEN ATMOS PHERE. PROTECT FROM ATMOSPHERIC MOSIT

URE. MINIMIZE SOURCES OF IGNITION, SUCH AS STATIC BUILDUP, HEAT, SPARK, OR FLAME. ===== Exposure Controls/Personal Protection ======== Respiratory Protection: ATMOSPHERIC LEVELS SHOULD BE MAINTAINED BELOW THE EXPOSURE GUIDELINES. WHEN RESPIRATORY PROTECTION IS REQUIRED, USE AN APPROVED AIR-PURIFYING OR POSITIVE-PRESSURE SUPPLIED-AIR RESPIRATOR DEPENDING ON THE POTENTIAL AIRBORNE CONCENTRATION. IN MISTY ATMOSPHERES, USE AN APPROVED ORGANIC VAPOR RESPIRATO R IN COMBINATION WITH A DUST/MIST FILTER. Ventilation: PROVIDE GENERAL AND/OR LOCAL EXHAUST VENTILATION TO CONTROL AIRBORNE LEVELS BELOW THE EXPOSURE GUIDELINES. Protective Gloves:GLOVES Eye Protection: CHEMICAL GOGGLES OR FULL FACE RESPIRATOR Other Protective Equipment: EYE WASH FOUNTAIN IN IMMEDIATE WORK AREA.PROTECTIVE CLOTHING IMPERVIOUS TO THIS MATERIAL. FACESHIELD, GOLVES, BOOTS, APRON, OR FULL-BODY SUIT DEPENDS ON OPERATION. SAFETY SHOWER Work Hygienic Practices: REMOVE CO NTAIMINATED CLOTHING, WASH SKIN WITH SOAP AND WATER AND LAUNDER CLOTHING BEFORE REUSE.CONTAMINATED LEATHER ITEMS SUCH AS SHOES, BELTS, WATCHBANDS, SHOULD BE REMOVED AND DESTROYED. Supplemental Safety and Health NOTE TO PHYSICIAN: MAY CAUSE TISSUE DESTRUCTION LEADING TO STRICTURE. IF LAVAGE IS PERFORMED.SUGGEST ENDOTRACHEAL/ESOPHAGOSCOPIC CONTROL. IF BURN IS PRESENT, TREAT AS ANY THERMAL BURN, AFTER DECONTAMI

NATION. NO ANTIDOTE. SUPPORTIVE CARE. TREATMENT BASED ON JUDGEME NT

OF THE PHYSICIAN IN RESPONSE TO PATIENT REACTIONS.

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

HCC:B2 Boiling Pt:=199.C, 390.2F Vapor Pres: