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MALLINCKRODT INC SCIENCE PRODUCTS DIVISION -- TETRAHYDROFURAN -- 6810-00-368-5011

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

Product ID:TETRAHYDROFURAN

MSDS Date:04/06/1989

FSC:6810

NIIN:00-368-5011

MSDS Number: BQDKM === Responsible Party ===

Company Name: MALLINCKRODT INC SCIENCE PRODUCTS DIVISION

Address: PARIS BYPASS

Box:M City:PARIS State:KY ZIP:40361

Country:US

Info Phone Num:606-987-7000

Emergency P

hone Num:606-987-7000

CAGE:62910

=== Contractor Identification ===

Company Name: MALLINCKRODT SPECIALTY CHEMICALS CO

Address:222 RED SCHOOL LANE

Box:City:PHILLIPSBURG

State:NJ ZIP:08865 Country:US

Phone:908-859-2151

CAGE:62910

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

Ingred Name:TETRAHYDROFURAN (SARA III)

CAS:109-99-9

RTECS #:LU5950000

Other REC Limits: NONE DETERMINED

OSHA PEL:200 PPM/250 STEL

ACGIH TLV:200 PPM/250STEL;9192

EPA Rpt Qty:1000 LBS DOT Rpt Qty:1000 LBS ======== Hazards Identification ===============

LD50 LC50 Mixture:ORAL LDLO (RAT) IS 3,000 MG/KG Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:INHALATION-THF IS AN ANESTHETIC AGENT IN HIGH CONCENTRATIONS. INGESTION-IRRITATING TO THE MUCOUS MEMBRANES. SKIN-CAUSES IRRITATION. EYE-IRRITATING TO EYE TISSUE.

Explanation of Carcinogenicity: NOT A CARCINOGEN.

Effects of Overexpo

sure: INHALATION-OVEREXPOSURE MAY CAUSE IRRITATION OF

THE NOSE & THROAT, DIZZINESS AND HEADACHE. INGESTION-MAY CAUSE SORE THROAT AND ABDOMINAL PAIN. MAY CAUSE LIVER OR KIDNEY INJURY. SKIN-CAUSES REDNESS AND PAIN.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN DISORDERS OR EYE PROBLEMS OR IMPAIRED LIVER OR KIDNEY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS SUBSTANCE.

First Ai

d:INHALATION-REMOVE TO FRESH. IF NOT BREATHING, GIVE CPR. IF BREATHING ID HARD, GIVE OXYGEN. CALL APHYSICIAN. INGESTION-GET IMMEDIATE MEDICAL ATTENTION. IF NO PHYSICIAN, INDUCE VOMITINH IMMEDIATELY BY G IVING 2 GLASSES OF WATER & STICKING FINGER DOWN THROAT. SKIN-FLUSH SKIN WITH WATER. CALL A PHYSICIAN. EYE-WASH EYE WITH PLENTY OF WATER. GET MIDICAL ATTENTION.

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

Flash Point: Method: CC Flash Point: 6F,-14C

Auto

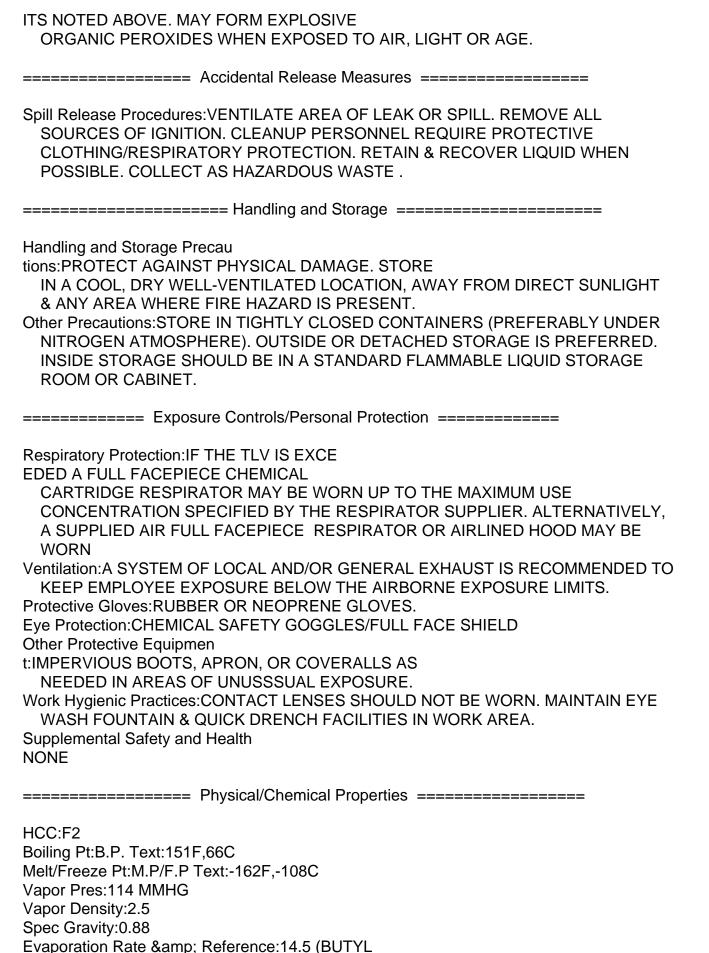
ignition Temp: Autoignition Temp Text: 321C

Lower Limits:1.8 Upper Limits:11.8

Extinguishing Media:DRY CHEMICAL, FOAM, OR CARBON DIOXIDE. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL.

Fire Fighting Procedures:IN THE EVENT OF A FIRE, WEAR FULL PROTECTIVE CLOTHING & NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE PRESSURE DEMAND.

Unusual Fire/Explosion Hazard:ABOVE FLASH POINT, VAPOR-AIR MIXTURES ARE EXPLOSIVE WITHIN FLAMMABLE LIM



ACETATE=1)
Solubility in Water:MISCIBLE IN WATER
Appearance and Odor: COLORLESS, MOBILE LIQUID. ETHER-LIKE ODOR

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

Stability Indicator/Materials to Avoid:YES

REACTS VIOLENTLY WITH AIR ON STANDING, LITHIUM ALUMINUM HYDRIDE, STRONH OXIDIZERS, NAALH2 & POTASSIUM HYDROXIDE.

Stability Condition to Avoid:STABLE IN CLOSED CONTAINER WITH OXYGEN & LIGHT EXCLUDED. DISTILLATION OR EVAPORATION CAN CONCENTRATE PEROXIDES & EXPLODE

Hazardous Decomposition Products:EMITS IRRITATING FUMES AND TOXIC GASES AND VAPORS WHEN HEATED TO DECOMPOSITION.

Conditions to Avoid Polymerization:THIS SUBSTANCE DOES NOT POLYMERIZE.

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

Waste Disposal Methods:ATOMIZE IN A SUITABLE RCRA APPROVED COMBUSTION CHAMBER, OR ABSORB WITH VERMICULITE, DRY SAND, EARTH OR SIMILIAR MATERIAL FOR DISPOSAL AS HAZARDOUS WASTE IN A RCRA APPROVED FACILITY. DO NOT FLUSH TO SE WER.

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