

EAGLE-PICHER INDUSTRIES -- THIONYL CHLORIDE -- 6135-01-361-1306

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

Product ID:THIONYL CHLORIDE

MSDS Date:06/01/1984

FSC:6135

NIIN:01-361-1306

Status Code:A

MSDS Number: CJTCB

=== Responsible Party ===

Company Name:EAGLE-PICHER INDUSTRIES

Address:BETHEL RD

Box:130

City:SENECA

State:MO

ZIP:64865

Country:US

Info Phone Num:417-776-2256

Emergency Phone Num:417-776-2256

CAGE:0B3X4

=== Contractor Identification ===

Company Name:EAGLE-PICHER INDUSTRIES INC

Address:14212 BETHEL ROAD

Box:130

City:SENECA

State:MO

ZIP:64865

Country:US

Phone:417-776-2256

CAGE:0B3X4

Company Name:EAGLE-PICHER INDUSTRIES, INC.

Address:C AND PORTER STS

Box:47

City:JOPLIN

State:MO

ZIP:64801

Country:US

Phone:417-623-8000

CAGE:81855

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

Ingred Name:THIONYL CHLORIDE

CAS:7719-09-7

RTECS #:XM5150000

Other REC Limits:NONE RECOMME

NDED  
OSHA PEL:C 1 PPM  
ACGIH TLV:C 1 PPM; 9394

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

LD50 LC50 Mixture:LC50 (RAT): 500 PPM/1HR  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: HIGHLY TOXIC. MAY BE FATAL IF  
ABSORBED THROUGH SKIN OR INHALED. CORROSIVE. VAPORS & LIQUID CAUSE  
SEVERE SKIN & EYE BURNS. LACHRYMATOR. INHALATION MAY RESULT IN  
PULMONARY EDEMA, IN  
FLAMMATION, SP ASMS, POSSIBLE DEATH. CHRONIC:  
UNKNOWN.  
Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1%  
OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.  
Effects of Overexposure:INHALED: COUGHING, SNEEZING, TIGHTNESS IN  
CHEST, SHORTNESS OF BREATH, WHEEZING. EYES: TEARING, PAIN,  
BURNING/STINGING SENSATION, BLURRED VISION. SKIN: REDNESS, BURNS,  
SWELLING, PAIN. INGESTED: BURNS T O MOUTH.THROAT/MUCOUS MEMBRANES,  
STOMACHPAIN, VOMITING, NAUSEA  
.  
Medical Cond Aggravated by Exposure:UNKNOWN.

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

First Aid:INHALATION-REMOVE TO FRESH AIR. RESTORE BREATHING. GET  
MEDICAL ATTENTION IMMEDIATELY. EYE-IMMEDIATELY FLUSH WITH RUNNING  
WATER FOR 15 MINUTES. GET MEDICAL ATTENTION IMMEDIATELY. SKIN-FLUSH  
WITH LOTS O F WATER. REMOVE CONTAMINATED CLOTHING. INGESTION-DO NOT  
INDUCE VOMITING. NOTHING BY MOUTH IF UNCONSCIOUS. GET MEDICAL  
ATTENTION IMMEDIATELY.

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

Flash Point:NONE  
Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE. DO NOT  
USE WATER; VIOLENT EXPLOSION MAY RESULT.  
Fire Fighting Procedures:FIREFIGHTERS SHOULD WEAR FULL PROTECTIVE  
CLOTHING INCLUDING POSITIVE-PRESSURE SELF-CONTAINED BREATHING  
APPARATUS. USE WATER TO COOL FIRE EXPOSED CONTAINERS.  
Unusual Fire/Explosion Hazard:CLOSED CONTAINERS MAY RUPTURE VIOLENTLY  
WHEN HEATED. TOXIC GASES MAY FORM WHEN DEC

COMPOSITION BEGINS.

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

Spill Release Procedures:KEEP WATER AWAY FROM RELEASE. STOP OR CONTROL LEAK; IF CAN BE DONE WITHOUT RISK. APPROACH LEAK FROM UPWIND. ABSORB IN NONCOMBUSTIBLE MATERIAL AND PLACE IN A CONTAINER FOR LATER DISPOSAL.

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

Handling and Storage Precautions:STORE IN A COOL, DRY. WELL-VENTILATED AREA. SEPARATE FROM ACIDS, ALKALIES, ALCOHOLS, AMINES, METALS & WATER.

Other Precautions:NONE KNOWN.

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

Respiratory Protection:IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR EMERGENCY OCCURS; USE NIOSH/MSHA APPROVED RESPIRATOR OR SUPPLIED AIR RESPIRATOR OR SCBA, AS REQUIRED. USE IAW 29 CFR 1910.134 AND MANUFACTURER'S RECOMMENDATIONS.

Ventilation:USE ADEQUATE MECHANICAL VENTILATION OR LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:

RUBBER, NEOPRENE, NITRILE

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

THE SOURCE OF SUPPLY IS S9G. MSDS REPRESENTS AN INGREDIENT IN THE BATTERY THAT THIS NSN REPRESENTS. MFR SENT MSDS'S FOR INGREDIENTS FOUND IN BATTERY, NOT FOR THE ITEM OF SUPPLY. FOR MSDS FOR ITEM OF SUPPLY SEE PNI A THIS NSN/CAGE.

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

HCC:Z6

Boiling Pt:B.P. Text:172F,78C

Melt/Freeze Pt:M.P/F.P Text:-155F,-104C

Decomp Temp:Decomp Text:284F,140C

Vapor Pres:96.6

Vapor Density:4.1

Spec Gravity:1.64

Solubility in Water:DECOMPOSES

Appearance and Odor:COLORLESS TO YELLOW LIQUID WITH SUFFOCATING ODOR; FOUND IN BATTERY.

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

Stability Indicator/

Materials to Avoid:NO

ACIDS, ALKALIES, ALCOHOLS, AMINES, METALS, WATER.

Stability Condition to Avoid:REACTS VIOLENTLY WITH A WIDE VARIETY OF MATERIALS, INCLUDING WATER.

Hazardous Decomposition Products:CHLORINE, HYDROGEN CHLORIDE, OXIDES OF SULFUR AND OTHER IRRITANTS.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL ENVIRONMENTAL REGULATIONS.

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