

COURTAULDS AEROSPACE (206-482-3999) -- TITANATE SOLUTION PR148 ADHESION PROMOTER  
-- 8030-00-560-8756

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

Product ID:TITANATE SOLUTION PR148 ADHESION PROMOTER

MSDS Date:03/23/1996

FSC:8030

NIIN:00-560-8756

Status Code:A

MSDS Number: CLKXT

=== Responsible Party ===

Company Name:COURTAULDS AEROSPACE (206-482-3999)

Box:UNKNOW

Emergency Phone Num:800-228-5635

Preparer's

Name:ERNEST CARTER

Chemtrec Ind/Phone:(800)424-9300

CAGE:0WHH7

=== Contractor Identification ===

Company Name:COURTAULDS AEROSPACE APPLICATION SUPPORT CENTER

Address:14126 NE 190TH ST

Box:City:WOODINVILLE

State:WA

ZIP:98072

Country:US

Phone:425-483-3999

CAGE:0WHH7

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

Ingred Name:LIGHT ALIPHATIC NAPHTHA

CAS:064742-64-9

= Wt:20.

Ingred Name:ETHYL ACETATE

CAS:000141-78-6

= Wt:20.

OSHA PEL:400 PPM

ACGIH TLV:400 PPM

Ingred Name:ME

THYL ETHYL KETONE

CAS:000078-93-3

= Wt:20.

OSHA PEL:200 PPM

OSHA STEL:300

ACGIH TLV:200 PPM

ACGIH STEL:300

Ingred Name:ISOPROPYL ALCOHOL

CAS:000067-63-0

= Wt:10.

OSHA PEL:400 PPM

OSHA STEL:500

ACGIH TLV:400 PPM

ACGIH STEL:500

Ingred Name:TOLUENE

CAS:000108-88-3

= Wt:30.

OSHA PEL:100 PPM

OSHA STEL:150

ACGIH TLV:50 PPM

Ingred Name:TETRACCTYL TITANATE 1-HEXANOL, 2-ETHYL-TITANIUM (4+) SALT

CAS:001070-10-6

&lt; Wt:5.

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

LD50 LC50

Mixture:NONE

Health Hazards Acute and Chronic:NONE

Effects of Overexposure:EYES: MAY CAUSE BURNING, TEARING AND REDDENING.

SKIN: PROLONGED EXPOSURE MAY CAUSE DRYING AND CRACKING OF SKIN, AND

POSSIBLE DERMATITIS. INHALATION: MAY CAUSE DIZZINESS, DROWSINESS

AND FATIGUE. MAY CA USE LIVER AND KIDNEY DAMAGE. INGESTION: MAY

CAUSE DROWSINESS, DIZZINESS AND NAUSEA.

Medical Cond Aggravated by Exposure:NONE

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

First Aid:E

YES: FLUSH WITH LUKE WARM WATER FOR 15 MINUTES. SKIN: WASH WITH SOAP AND WATER. INHALATION: REMOVE TO FRESH AIR. CONSULT PHYSICIAN.

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

Flash Point Method:PMCC  
Flash Point:=-5.C, 23.F  
Autoignition Temp:Autoignition Temp Text:NONE  
Lower Limits:NONE  
Upper Limits:NONE  
Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, FOAM, WATER FOG.  
Fire Fighting Procedures:USE WATER TO COOL HEAT EXPOSED CONTAINERS.  
Unusual Fire/Explosion  
Hazard:HIGH TEMPERATURE MAY CAUSE PRESSURE BUILDUP IN CLOSED CONTAINER.

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

Spill Release Procedures:COVER WITH ABSORBENT. SCOOP INTO CONTAINER.  
Neutralizing Agent:NONE

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

Handling and Storage Precautions:WASH THOROUGHLY AFTER HANDLING AND BEFORE SMOKING OR EATING.  
Other Precautions:EMPTY DRUMS MAY CONTAIN EXPLOSIVE VAPORS.

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

Respiratory Protection:USE AN ORGANIC VAPOR CARTRIDGE OR AIR-SUPPLIED RESPIRATOR.  
Ventilation:GENERAL VENTILATION TO MAINTAIN VAPORS.  
Protective Gloves:SOLVENT RESISTANT GLOVES.  
Eye Protection:CHEMICAL GOGGLES OR FULL FACE SHIELD.  
Other Protective Equipment:KEEP CONTAINER TIGHTLY CLOSED.  
Work Hygienic Practices:NONE  
Supplemental Safety and Health  
NONE

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

Boiling Pt:B.P. Text:171-480 DEG F

Melt/Freeze Pt:M.P/F.P Text:NONE  
Decomp Temp:Decomp Text:NONE  
Vapor Density:>AIR  
Spec Gravity:0.32  
Appearance and Odor:TRANSPARENT BLUE LIQUID  
Percent Volatiles by Volume:102.3%

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

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZING AGENTS.  
Stability Condition to Avoid:NONE  
Hazardous Decomposition Products:OXIDES OF CARBON AND CHLORINE.  
Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Disposal Co  
nsiderations =====

Waste Disposal Methods:DISPOSE OF SPILLAGE IN COMPLIANCE WITH FEDERAL  
AND STATE REGULATIONS.

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