

P-T TECHNOLOGIES INC -- PF SOVENT / DEGREASER -- 7930-01-330-0187

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

Product ID:PF SOVENT / DEGREASER

MSDS Date:02/25/1999

FSC:7930

NIIN:01-330-0187

MSDS Number: CLLVF

=== Responsible Party ===

Company Name:P-T TECHNOLOGIES INC

Address:108 4TH AVENUE, SOUTH

City:SAFETY HARBOR

State:FL

ZIP:34695

Country:US

Info Phone Num:813-726-4644

Emergency Phone Num:1-800-441-7874

Resp. Party Other MSDS Num.:PFMSDS-990225

CAGE:0JVH6

=== Contr

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

Ingred Name:CITRUS TERENES. (FOOD GRADE D'LIMONENE, HIGHLY REFINED,  
CONTAINING 99.9+% 4-ISOPROPENYL, 1-METHYLCYCLOHEXENE).

CAS:68647-72-3

Ingred Name:ALIPHATIC HYDROCARBON SOLVENT. (NORMAL PARAFFINS (C10-C13),  
EXTREMELY PURE WITH LESS THAN 0.001% A  
ROMATIC CONTENT. NO OLEFINS.

LESS THAN 1.0% CYCLOPARAFFINS).

CAS:64771-72-8

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:EYE CONTACT: MAY CAUSE IRRITATION,  
TEARING AND REDNESS. DOES NOT INJURE EYE. SKIN CONTACT: PROLONGED  
OR REPEATED CONTACT WITH SKIN MAY CAUSE DEFATTING OR DRYNESS OF  
SKIN. CONTINUED DRYNESS MAY

CAUSE DERMATITIS. INHALATION:

EXCESSIVE INHALATION OF VAPORS CAN CAUSE IRRITATION OF THE RESPIRATORY TRACT, NAUSEA, DIZZINESS OR HEADACHE. INGESTION: PRODUCT HAS LOW ORDER OF ACUTE ORAL TOXICITY, BUT INGESTION OF LARGE QUANTITIES MAY CAUSE NAUSEA, VOMITING, AND GASTROINTESTINAL IRRITATION. MAY CAUSE INJURY IF ASPIRATED INTO LUNGS.

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

First Aid:EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES. IF IRRITATION

PERSISTS, CONTACT PHYSICIAN. SKIN CONTACT: WASH THOROUGHLY WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. INHALATION: IF AFFECTED BY VAPORS, GET TO FRESH AIR. IF BREATHING IS DIFFICULT, SEE PHYSICIAN. INGESTION: DO NOT INDUCE VOMITING. PRODUCT CONTAINS HYDROCARBON. CONSULT PHYSICIAN.

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

Flash Point Method:TCC

Flash Point:=62.2C, 144.F

Autoignition Temp:=210.C, 410.F

Autoignition Temp Text:APPROX

Lower L

imits:1.3% EST.

Upper Limits:8.9% EST.

Extinguishing Media:EXTINGUISH WITH CO2, FOAM OR DRY CHEMICAL.

Fire Fighting Procedures:CLASS B FIRE PROCEDURES. FIREFIGHTERS SHOULD WEAR NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:GENERAL HAZARDS: COMBUSTIBLE LIQUID. CAN FORM COMBUSTIBLE MIXTURES AT OR ABOVE FLASH POINT. HAZARDOUS COMBUSTION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE AND SMOKE.

===== Acci

dental Release Measures =====

Spill Release Procedures:LAND SPILL: REMOVE IGNITION SOURCES. CONTAIN THE SPILL. RECOVER FREE PRODUCT. ABSORB WITH SUITABLE CHEMICAL ABSORBENT FOR DISPOSAL VIA INCINERATION OR BURIAL IN APPROVED LANDFILL. OBSERVE LOCAL, STATE , AND FEDERAL REGULATIONS. WATER SPILL: REMOVE FROM WATER BY SKIMMING OR USE OF SUITABLE ABSORBENT.

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

Handling and Storage Precautions:ELECTROST

ATIC ACCUMULATION HAZARD:

UNKNOWN, USE PROPER GROUNDING PROCEDURES. STORAGE TEMPERATURE:  
AMBIENT. GENERAL: KEEP AWAY FROM HEAT SOURCES, OPEN FLAMES AND  
OTHER IGNITION SOURCES. KEEP PRODUCT CONTAINERS CLOSED WHEN NOT IN  
USE.

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

Respiratory Protection:A NIOSH APPROVED RESPIRATOR APPROPRIATE FOR THE  
EXPOSURE OF CONCERN . EXPOSURE LIMITS 8HRS TWA (PPM): OSHA  
PEL: NOT ESTABLISHED; ACGIH TLV: NOT ESTABLISHED  
; RECOMMENDED: 300.

Ventilation:THE USE OF MECHANICAL DILUTION VENTILATION IS RECOMMENDED  
WHENEVER THIS PRODUCT IS USED IN A CONFINED SPACE, HEATED ABOVE  
AMBIENT TEMPERATURES, OR IS AGITATED.

Protective Gloves:SOLVENT RESISTANT GLOVES ARE RECOMMENDED WHERE SKIN  
EXPOSURE IS EXPECTED.

Eye Protection:ANSI APPROVED CHEMICAL SAFETY GOGGLES .

Other Protective Equipment:EYEWASH AND DELUGE SHOWER MEETING ANSI  
DESIGN CRITERIA .

Supplemental Safety and Health

PRODUCT NAME: PF. PRODUCT DES

CRPTION: DEGREASER SOLVENT. CHEMICAL

FAMILY: VOLATILE, NON-HALOGENATED HYDROCARBON. INGREDIENT

INFORMATION (CONT): HAZARDOUS INGREDIENTS: NONE. NON-HAZARDOUS IN  
GREDIENTS: CAS #'S 68647-72-3, 64771-72-8.

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

Boiling Pt:=193.3C, 380.F

B.P. Text:380F-430F

Vapor Pres:< 1MMHG AT 20C

Vapor Density:> 1, AIR=1

Spec Gravity:0.76 (WATER=1)

VOC Pounds/Gallon:756

Evaporation Rate & Reference:3.2 (N-BUTYL ACETATE= 100

So

lubility in Water:NON-MISCIBLE.

Appearance and Odor:COLORLESS LIQUID WITH CHARACTERISTIC ODOR.

Percent Volatiles by Volume:100%

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products:HAZARDOUS COMBUSTION PRODUCTS: CARBON  
DIOXIDE, CARBON MONOXIDE AND SMOKE.

===== Toxicological Information =====

Toxicological Information:PLEASE REFER TO (HEALTH HAZA

RDS) SECTION FOR  
AVAILABLE INFORMATION ON POTENTIAL HEALTH EFFECTS.

===== Ecological Information =====

Ecological:NO SPECIFIC ECOLOGICAL DATA IS AVAILABLE AT THE TIME. SEE  
(SPILL RELEASE PROCEDURES) SECTION FOR INFORMATION REGARDING  
ACCIDENTAL RELEASES AND (SARA III, FEDERAL REGULATORY AND STATE  
REGULATORY) SECT ION(S) FOR REGULATORY REPORTING INFORMATION.

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

Waste Disposal Methods:PLEASE REFER TO (FIRE & EXPLOSION), (SPILL  
RELEASE PROCEDURES) AND (SARA III, FEDERAL REGULATORY AND STATE  
REGULATORY) SECTION(S) FOR DISPOSAL AND REGULATORY REPORTING  
INFORMATION. DISPOSE IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE,  
AND LOCAL REGULATIONS .

===== MSDS Transport Information =====

Transport Information:DEPARTMENT OF TRANSPORTATION (DOT): DOT PROPER  
SHIPPING NAME: NOT APPLICABLE. DOT HAZARD CLASS: NOT HAZARDOUS.  
DOT  
IDENTIFICATION: NOT APPLICABLE. NOTE: IN CONTAINERS OF 119  
GALLONS CAPACITY OR LESS, THIS PRODUCT IS NOT REGULATED BY DOT.

===== Regulatory Information =====

SARA Title III Information:SARA TITLE III: 311/312: HAZARDOUS  
CATEGORIES: FIRE. SARA TITLE III: 313: REPORTABLE INGREDIENTS:  
NONE.  
Federal Regulatory Information:THIS PRODUCT IS DEFINED AS OSHA HAZARD  
COMBUSTIBLE PER 29CFR1910.1200. FLASH POINT: 144F TCC. RCRA  
HAZARD CLASS: NOT  
HAZARDOUS. TSCA: THE INGREDIENTS IN THIS  
PRODUCT ARE LISTED ON THE TSCA INVENTORY. CERCLA: NOT  
REPORTABLE. WE RECOMMEND YOU CONTACT LOCAL AUTHORITIES TO DETERMINE  
IF THERE MAY BE OTHER LOCAL REPORTING REQUIREMENTS.

===== Other Information =====

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