

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:1-800-441-787

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Resp. Party Other MSDS Num.:PFMSDS-990225

CAGE:0JVH6

=== Contractor Identification ===

Company Name:P-T TECHNOLOGIES INC

Address:108 4TH AVENUE, SOUTH

Box:City:SAFETY HARBOR

State:FL

ZIP:34695

Country:US

Phone:813-726-4644

CAGE:0JVH6

===== 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% AROMATIC 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 MA

Y 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

d: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

Autoi

gnition Temp:=210.C, 410.F

Autoignition Temp Text:APPROX

Lower Limits: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.

===== Accidental 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 ==

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Handling and Storage Precautions:ELECTROSTATIC 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 DESCRIPTION: 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:7

56

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

Solubility 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 =====

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Toxicological Information:PLEASE REFER TO (HEALTH HAZARDS) 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.

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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 ACCORDAN CE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS .

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

Transport Information:DEPARTMENT OF TRANSPORTATION (DOT): DOT PROPER SHIPPING N
AME: 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 29C
FR1910.1200. FLASH POINT: 144F TCC. RCRA
HAZARD CLASS: NOT HAZARDOUS. TSCA: THE INGREDIENTS IN THIS PRODUCT ARE LISTED ON THE TSCA INVENTO RY. 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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artment

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