

## Technical Data Sheet

### PW 573 F

### *Fully Refined Paraffin Wax*

Property	Method	Specifications
Congealing Point, °C (°F)	ASTM D938	57 – 60 ( 134.6 – 140)
Oil Content, %wt	ASTM D721	0.5 Max
Color, liquid, Saybolt	ASTM D156	26 Min
Needle Penetration, 1/10mm, @ 25°C (77°F)	ASTM D1321	13 - 18 Max

FDA STATUS: This product meets the FDA requirements set forth in 21 CFR 178.3710 for use in non-food articles in contact with food and in 21 CFR 172.886 for use in food.

Packaging: Slabs in 25 kg cartons (approx.); Unpalletized

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02.15.2011

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

<b>Material</b> PW 573F		<b>Revision Date</b> 25-Feb-11
Previous Revision Date 25-Feb-11	MSDS Number SSI PW 573F	Material use Various
<b>Supplier's Name</b> Schumann/Steier 2525 Ponce de Leon Blvd, Suite 650 Corak Gables, FL 3134		<b>EMERGENCY CHEMTREC</b> 1.800.424.9300 Issuer's phone number 1.305.442.2999

**SECTION 2: COMPOSITION**

No Known hazardous ingredients as defined by OSHA 29 CFR 1910.1200

<b>PRODUCT NAME</b>	PW 573F
<b>COMMON SYNONYMS</b>	PARAFFIN WAX
<b>CHEMICAL FAMILY</b>	Petroleum Hydrocarbon
<b>FORMULA</b>	N/A
<b>MOLECULAR WEIGHT</b>	N/A
<b>CAS Number</b>	8002-74-2 ;64742-51-4

**SECTION 3: HAZARDS IDENTIFICATION**

**EMERGENCY SYNOPSIS**

The material is a solid at room temperature that softens at elevated temperatures. Above its softening point, the material will liquefy and will flow more readily as it is heated. The material may be used as a hot liquid and as such requires caution in handling. At elevated temperatures high above its softening point and in contact with air, hydrocarbon vapors including possible oxidized products can be expected.

<b>SKIN CONTACT</b>	Contact with Melted material can result in severe burns.
<b>EYE CONTACT</b>	Direct contact of melted product to the eyes will cause thermal burns and eye injury.
<b>INHALATION</b>	Breathing fumes in confined areas can cause respiratory discomfort and possible irritation. When in powder form inhalation of dust may cause irritation of mucous membrane and respiratory tract.
<b>INGESTION</b>	This material is essentially inert and non-toxic. Regardless of this the material should be handled with care and should not be ingested as it could cause gastrointestinal problems.

**Potential Health Effects (HMIS Rating) and Label Requirements**

**Fire Hazard: 1 Health Hazard: 0 Reactivity: 0**

Personal Protection: See Section 8

## SECTION 4: FIRST AID MEASURES

**SKIN CONTACT**

Exposure to fumes, vapors or smoke of heated product can result in skin irritation. Direct contact with the melted product will cause injury and burns. For burns apply running water to injured area for 15 minutes. **Call a physician for treatment.**

**EYE CONTACT**

Exposure to fumes, vapors or smoke of heated product can result in eye irritation. When handling melted product eye shields must be worn at all times. Direct contact with the melted product will cause injury and burns. For burns flush eyes with running water area for 15 minutes. Administer **Call a physician for treatment.**

**SKIN CONTACT**

Exposure to fumes, vapors or smoke of heated product can result in skin irritation. Direct contact with the melted product will cause injury and burns. For burns apply running water to injured area for 15 minutes. **Call a physician for treatment.**

**INHALATION**

Remove individual to a well ventilated area for fresh air. **If product is ingested do not induce vomiting call a physician.**

**INGESTION**

This material is not acutely toxic by ingestion. Regardless of this the material should be handled with care and should not be ingested as it could cause gastrointestinal problems.

## SECTION 5: FIRE and EXPLOSION HAZARD DATA

**Flammability**

When this product is finely divided and suspended in air, this product could be flammable. Under these circumstances, keep away from heat, sparks and open flames. Use adequate ventilation and ground all equipment to prevent static discharges. Melted material will support a flame above the flashpoint.

## SECTION 5: FIRE and EXPLOSION HAZARD DATA (CONTINUED)

**Means of Extinction**

Use foam, dry chemical, AND CO<sub>2</sub>.

**Special Instructions**

Do not use water on product when burning, in case, only for cooling surfaces on any storage vessels

**Flashpoint**

>392 °F (> 200 °C)

**Upper Explosion Limit**

Not Available

**Lower Explosion Limit**

Not Available

**Auto ignition temperature**

Not Available

**Rate of burning**

Not Applicable

**Hazardous combustion products**

CO (See Section 10)

<b>Sensitivity to impact</b> Not Applicable	<b>TDG flammability class</b> Not Applicable	<b>Explosive Power</b> Not Applicable
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## SECTION 6: ACCIDENTAL RELEASE MEASURES

### LEAKS, SPILLS

Avoid generating dust. Keep product away from heat or flames. Product should be handled as a thermopolymer. With melted leaks or spills, allow material to solidify and cool. Keep material out of sewers and watercourses by impounding or dikes. Recover the hardened material and place in appropriate containers for recycling or disposal, according to the local, state and federal laws.

## SECTION 7: HANDLING AND STORAGE

If the product is being stored in a molten state, nitrogen blanketing may be used to avoid oxidation and thermal degradation. If stored as a solid the product should be kept in closed containers and stored in a cool, dry area away from any direct heat sources or sunlight.

## SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Normal room ventilation is adequate for storage and handling of solid product. Proper ventilation is recommended if product is in a fine powder form or is kept in a dusty environment. As this product may be stored in melted form proper protective splash resistant clothing including thermal gloves, splash resistant shoes and eye shields must be worn to prevent injury. Melted material must be used in well ventilated areas. When working in confined spaces use of appropriate respiratory gear is recommended.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	White & bright
<b>Odor</b>	None or slight odor

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES CONTINUED

<b>Physical State</b> Solid at 77 °F (25 °C)	<b>Vapor Pressure 20°C</b> Not Available	<b>pH</b> Not Applicable
<b>Vapor Density (Air = 1)</b> Negligible	<b>Boiling Point</b> Not Available	<b>Water Solubility</b> Not Soluble
<b>Relative Density, 15°C: g/cm<sup>3</sup></b> Not Available	<b>Evaporation Rate</b> Not Applicable	<b>Freezing point</b> Not Applicable
<b>Melt Point</b> See TDS	<b>Volatiles by Volume</b> Not Available	<b>Odor threshold (ppm)</b> Not Applicable

## SECTION 10: REACTIVITY AND STABILITY

**Chemical Stability**  
Yes

**Compatibility with other substances**



No Product is not compatible with Strong oxidizing agents: eg peroxides and chlorine.

**Reactivity**

Stable

**Hazardous decomposition products**

Carbon dioxide, carbon monoxide, acrolein, formaldehyde and other products depending on conditions of oxidation.

**SECTION 11: TOXICOLOGICAL INFORMATION**

<b>Carcinogenicity Classification</b>	<b>Means of Entry</b>
IARC: Not Listed OSHA: Not Listed NTP: Not Listed	ACGIH: Not Listed Skin Contact Inhalation acute Inhalation chronic

**Effects of acute exposure to product**

Melted product could cause thermal burns. If the product is in a powder or finely divided form, inhalation of dust may cause irritation of the mucous membrane and respiratory tract. OSHA permissible exposure limit (PEL-TWA) and ACGIH threshold limit value (TLV-TWA) for respirable dust: 5 mg/m<sup>3</sup>. Total nuisance dust for the product OSHA PEL-TWA: 15 mg/m<sup>3</sup>; Total dust ACGIH TLV-TWA: 10 mg/m<sup>3</sup>. If the product is heated to decomposition, the fumes generated may result in respiratory tract irritation. Wax fume ACGIH TLV-TWA exposure limit is 2 mg/m<sup>3</sup>

**Effects of chronic exposure to product**

In rats, chronic ingestion of paraffinic hydrocarbons has shown accumulation in target organs liver and spleen with an associated non-specific immune response.

**SECTION 11: TOXICOLOGICAL INFORMATION CONTINUED**

<b>LD<sub>50</sub></b> Oral, Rat > 2,000 mg/kg	<b>LC<sub>50</sub></b> Not Available
<b>Exposure limits of product</b> See Section 11 Effects of accurate exposure	<b>Irritancy level of product</b> TLV set to prevent irritation
<b>Allergy Response</b> Not Known	<b>Carcinogenicity and Mutagenicity</b> Not reported as of this date
<b>Reproductive Interference</b> None reported to date	<b>Similar Materials</b> None reported to date

**SECTION 12: ECOLOGICAL INFORMATION**

Product is not considered harmful to the environment. Regardless of this the product needs to be disposed once spilled in a manner consistent with the local, state and federal regulations.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Product is not considered a RCRA hazardous waste. Regardless of this the product needs to be disposed in a manner consistent with the local, state and federal regulations.

**SECTION 14: TRANSPORT (DOT) INFORMATION**

DOT proper shipping name	Not regulated
DOT hazardous class	Not Applicable
DOT hazardous material table 172.101	Not Listed
DOT APPENDIX to SECTION 172.101	Not Listed
DOT labels required	None
TDG Classification	Not controlled under TDG

### SECTION 15: REGULATORY INFORMATION

FDA status	See product technical specification
CERCLA reportable quantity	The product is not reportable under 40 CFR Part 355.30
OSHA hazardous chemicals	None according to 29 CFR 1910.119
SARA Status	Sections 311 and 312: Not Applicable and Section 313: None
TSCA Status	This product appears on the TSCA inventory
California Proposition 65 List	Not Applicable
New Jersey Hazardous List	None
Massachusetts Hazardous List	None

### SECTION 15: REGULATORY INFORMATION CONTINUED

Pennsylvania Hazardous List	None
Canadian DSL status	Listed
AIACS	Listed
EINECS	Listed
Austalian AICS	Listed
China Chemical Inventory	Listed
ENCS Japan	Listed
Philippines PICCS	Listed
MITI	Listed
ECL KOREA	Listed
CONEG	Compliant

### SECTION 16: OTHER

#### SOURCES USED:

ACGIAH, RTECS, IARC Monographs; Oxford Toxicology Forum, Special Meeting on Hydrocarbons

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