

# Safety Data Sheet

Material Name: Polyalphaolefin PAO2, PAO4, PAO5, PAO6, PAO7, PAO8, PAO9, PAO10, PAO40, PAO100

## \*\*\* Section 1 - Product and Company Identification \*\*\*

### Manufacturer Information

Soltex, Inc.  
3707 FM 1960  
Suite 560  
Houston, TX 77068

Phone: 281-587-0900

Emergency # Chemtrec 1-800-424-9300 (in USA and Canada)

## \*\*\* Section 2 - Hazards Identification \*\*\*

### GHS Classification:

Aspiration Hazard - Category 1

### GHS LABEL ELEMENTS

#### Symbol(s)



### Signal Word

Danger

### Hazard Statements

May be fatal if swallowed and enters airways.

### Precautionary Statements

#### Response

If Swallowed: Immediately call a poison center or doctor/physician. Do NOT induce vomiting.

#### Storage

Store locked up.

#### Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

## \*\*\* Section 3 - Composition / Information on Ingredients \*\*\*

CAS#	Component	Percent
68037-01-4	1-Decene, homopolymer, hydrogenated	100

## \*\*\* Section 4 - First Aid Measures \*\*\*

### First Aid: Eyes

Rinse thoroughly with plenty of water, also under the eyelids. If irritation persists, call a physician.

### First Aid: Skin

Wash off with warm water and soap. Get medical attention if irritation develops and persists.

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## First Aid: Ingestion

Do NOT induce vomiting. Have victim sip a glass of water if able to swallow. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.

## First Aid: Inhalation

Move to fresh air. Get medical attention immediately if symptoms occur.

## \*\*\* Section 5 - Fire Fighting Measures \*\*\*

### General Fire Hazards

See Section 9 for Flammability Properties.

Product is not flammable.

### Hazardous Combustion Products

Carbon oxides. Aldehydes. Ketones

### Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### Unsuitable Extinguishing Media

None

### Fire Fighting Equipment/Instructions

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## \*\*\* Section 6 - Accidental Release Measures \*\*\*

### Recovery and Neutralization

Prevent further leakage or spillage if safe to do so.

### Materials and Methods for Clean-Up

Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

### Emergency Measures

Isolate area. Keep unnecessary personnel away.

### Personal Precautions and Protective Equipment

Use personal protective equipment. Ensure adequate ventilation.

### Environmental Precautions

None

### Prevention of Secondary Hazards

None

## \*\*\* Section 7 - Handling and Storage \*\*\*

### Handling Procedures

Handle in accordance with good industrial hygiene and safety practice.

### Storage Procedures

Keep containers tightly closed in a dry, cool and well-ventilated place.

### Incompatibilities

Strong oxidizing agents.

## \*\*\* Section 8 - Exposure Controls / Personal Protection \*\*\*

### Component Exposure Limits

ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.

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## Engineering Measures

Use general ventilation and use local exhaust, where possible, in confined or enclosed spaces.

## Personal Protective Equipment: Respiratory

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

## Personal Protective Equipment: Hands

None required.

## Personal Protective Equipment: Eyes

Use safety goggles if splashing is likely to occur.

## Personal Protective Equipment: Skin and Body

None required.

## \*\*\* Section 9 - Physical & Chemical Properties \*\*\*

<b>Appearance:</b>	Clear	<b>Odor:</b>	None
<b>Physical State:</b>	Liquid	<b>pH:</b>	ND
<b>Vapor Pressure:</b>	1.70 mmHg @ 177°C	<b>Vapor Density:</b>	ND
<b>Boiling Point:</b>	414°C/777°F	<b>Melting Point:</b>	ND
<b>Solubility (H2O):</b>	Negligible	<b>Specific Gravity:</b>	0.80-0.86
<b>Evaporation Rate:</b>	ND	<b>VOC:</b>	ND
<b>Viscosity:</b>	1.7-115 cSt @ 100°C	<b>Octanol/H2O Coeff.:</b>	ND
<b>Flash Point:</b>	>150°C	<b>Flash Point Method:</b>	ASTM D-92
<b>Upper Flammability Limit (UFL):</b>	ND	<b>Lower Flammability Limit (LFL):</b>	ND
<b>Burning Rate:</b>	ND	<b>Auto Ignition:</b>	≥324°C/615°F

## \*\*\* Section 10 - Chemical Stability & Reactivity Information \*\*\*

### Chemical Stability

Stable under recommended storage conditions.

### Hazardous Reaction Potential

Will not occur.

### Conditions to Avoid

Excessive heat.

### Incompatible Products

Strong oxidizing agents.

### Hazardous Decomposition Products

Carbon oxides. Aldehydes. Ketones.

## \*\*\* Section 11 - Toxicological Information \*\*\*

### Acute Toxicity

#### A: General Product Information

May cause respiratory tract irritation.

#### B: Component Analysis - LD50/LC50

No LD50/LC50's are available for this product's components.

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## Potential Health Effects: Skin Corrosion Property/Stimulativeness

Non-irritating to skin.

## Potential Health Effects: Eye Critical Damage/ Stimulativeness

Non-irritating to eyes.

## Potential Health Effects: Ingestion

Not expected to be toxic following ingestion. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

## Potential Health Effects: Inhalation

The product is not expected to be toxic by inhalation. May cause irritation of respiratory tract.

## Respiratory Organs Sensitization/Skin Sensitization

Did not cause sensitization on laboratory animals.

## Generative Cell Mutagenicity

Did not show mutagenic effects in animal experiments.

## Carcinogenicity

### A: General Product Information

This product is not reported to have any carcinogenic effects.

### B: Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

## Reproductive Toxicity

Animal testing did not show any effects on fertility.

## Specified Target Organ General Toxicity: Single Exposure

This product is not reported to have any specific target organ toxicity single exposure effects.

## Specified Target Organ General Toxicity: Repeated Exposure

This product is not reported to have any specific target organ toxicity repeat exposure effects.

## Aspiration Respiratory Organs Hazard

Potential for aspiration if swallowed. Aspiration may cause pulmonary edema and pneumonitis.

## \* \* \* Section 12 - Ecological Information \* \* \*

## Ecotoxicity

### A: General Product Information

Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.

LC50 Rainbow trout: >1000 mg/L (96-hr)

EC50 Daphnia Magna (Water Flea): EC50: 190 mg/l (48-hr)

### B: Component Analysis - Ecotoxicity - Aquatic Toxicity

No ecotoxicity data are available for this product's components.

## Persistence/Degradability

Expected to be biodegradable

## Bioaccumulation

Not likely to bioaccumulate.

## Mobility in Soil

No information available for the product.

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## \*\*\* Section 13 - Disposal Considerations \*\*\*

### Waste Disposal Instructions

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

### Disposal of Contaminated Containers or Packaging

Dispose of contents/container in accordance with local/regional/national/international regulations.

## \*\*\* Section 14 - Transportation Information \*\*\*

### DOT/TDG Information

Shipping Name: Not Regulated.

## \*\*\* Section 15 - Regulatory Information \*\*\*

### Regulatory Information

#### Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

#### State Regulations

#### Component Analysis - State

None of this product's components are listed on the state lists from CA, MA, MN, NJ, PA, or RI.

#### Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

#### Additional Regulatory Information

#### Component Analysis - Inventory

Component	CAS#	TSCA	CAN	EEC
1-Decene, homopolymer, hydrogenated	68037-01-4	Yes	DSL	No

## \*\*\* Section 16 - Other Information \*\*\*

### Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry.

### Literature References

None

### Other Information

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Soltex, Inc. assumes no responsibility for injury to the vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, Soltex, Inc. assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.