



## SAFETY DATA SHEET

according to the Global Harmonized System (and with all of the information required by the HPR)

Revision Date 02/26/2020

Version 1.6

### SECTION 1. Identification

#### Product identifier

Product number	PX0045
Product name	Paraffin Oil, White [Mineral Oil]  Saybolt Viscosity  340-365 at 100°F
CAS-No.	8042-47-5

#### Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Reagent for analysis
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#### Details of the supplier of the safety data sheet

Company	Millipore (Canada) Ltd.   2149 Winston Park Dr.   Oakville   Ontario L6H 6J8   Canada   General Inquiries: +1 905 829 9500   Monday to Friday, 9:00 AM to 4:00 PM Eastern Time (GMT-5) MilliporeSigma is a business of Merck KGaA, Darmstadt, Germany.
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<b>Emergency telephone</b>	800-424-9300 CHEMTREC (USA) +1-703-527-3887 CHEMTREC (International) 24 Hours/day; 7 Days/week
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### SECTION 2. Hazards identification

#### GHS-Labeling

Not a dangerous substance according to GHS.

#### Other hazards

None known.

### SECTION 3. Composition/information on ingredients

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Remarks	WHMIS hazardous composition: No ingredients are hazardous according to the HPR criteria.
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### SECTION 4. First aid measures

#### Description of first-aid measures

##### *Inhalation*

After inhalation: fresh air.

##### *Skin contact*

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.

##### *Eye contact*

After eye contact: rinse out with plenty of water. Remove contact lenses.

##### *Ingestion*

After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell.

Never give anything by mouth to an unconscious person.

#### Most important symptoms and effects, both acute and delayed

Stomach/intestinal disorders, Pneumonia

#### Indication of any immediate medical attention and special treatment needed

No information available.

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### SECTION 5. Fire-fighting measures

#### Extinguishing media

##### *Suitable extinguishing media*

Foam, Carbon dioxide (CO<sub>2</sub>), Dry powder

##### *Unsuitable extinguishing media*

For this substance/mixture no limitations of extinguishing agents are given.

#### Special hazards arising from the substance or mixture

Combustible.

Vapors are heavier than air and may spread along floors.

Forms explosive mixtures with air on intense heating.

Development of hazardous combustion gases or vapors possible in the event of fire.

#### Advice for firefighters

##### *Special protective equipment for fire-fighters*

In the event of fire, wear self-contained breathing apparatus.

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### *Further information*

Prevent fire extinguishing water from contaminating surface water or the ground water system.

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## **SECTION 6. Accidental release measures**

### **Personal precautions, protective equipment and emergency procedures**

Advice for non-emergency personnel: Do not breathe vapors, aerosols. Evacuate the danger area, observe emergency procedures, consult an expert.

Advice for emergency responders:

Protective equipment see section 8.

### **Environmental precautions**

Do not let product enter drains.

### **Methods and materials for containment and cleaning up**

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up with liquid-absorbent material (e.g. Chemizorb® ). Dispose of properly. Clean up affected area.

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## **SECTION 7. Handling and storage**

### **Precautions for safe handling**

Observe label precautions.

### **Conditions for safe storage, including any incompatibilities**

Protected from light.

Tightly closed.

Store at room temperature.

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## SECTION 8. Exposure controls/personal protection

### Exposure limit(s)

#### Components

Basis	Value	Threshold limits	Remarks
CAD AB OEL	Time Weighted Average (TWA):	5 mg/m <sup>3</sup>	Form of exposure: Mist.
	Short Term Exposure Limit (STEL):	10 mg/m <sup>3</sup>	Form of exposure: Mist.
CAD BC OEL	Time Weighted Average (TWA):	1 mg/m <sup>3</sup>	Form of exposure: Mist.
CAD MB OEL	Time Weighted Average (TWA):	5 mg/m <sup>3</sup>	Form of exposure: Inhalable fraction.
OEL (QUE)	Time Weighted Average (TWA):	5 mg/m <sup>3</sup>	Form of exposure: Mist.
	Short Term Exposure Limit (STEL):	10 mg/m <sup>3</sup>	Form of exposure: Mist.
CAD ON OEL	Time Weighted Average (TWA):	5 mg/m <sup>3</sup>	Form of exposure: Inhalable fraction.
	Time Weighted Average (TWA):	5 mg/m <sup>3</sup>	Form of exposure: Inhalable fraction.
			Known toxic agent for which exposure values have not been established and to which any exposure should be avoided.

### Engineering measures

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.

### Individual protection measures

Protective clothing should be selected specifically for the workplace, depending on concentration and quantity of the hazardous substances handled. The chemical resistance of the protective equipment should be inquired at the respective supplier.

#### Hygiene measures

Change contaminated clothing. Wash hands after working with substance.

#### Eye/face protection

Safety glasses

#### Hand protection

full contact:

Glove material: Nitrile rubber  
Glove thickness: 0.11 mm  
Break through time: 480 min

splash contact:

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Glove material:	Nitrile rubber
Glove thickness:	0.11 mm
Break through time:	480 min

The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374, for example KCL 741 Dermatril® L (full contact), KCL 741 Dermatril® L (splash contact).

The breakthrough times stated above were determined by KCL in laboratory tests acc. to EN374 with samples of the recommended glove types.

This recommendation applies only to the product stated in the safety data sheet and supplied by us as well as to the purpose specified by us. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: [www.kcl.de](http://www.kcl.de)).

### *Respiratory protection*

Not required; except in case of aerosol formation.

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## **SECTION 9. Physical and chemical properties**

Physical state	liquid
Color	colorless
Odor	mild
Odor Threshold	No information available.
pH	No information available.
pour point	ca. 10 °F (-12 °C)
Boiling point/boiling range	572 - 932 °F (300 - 500 °C) at 1,013 hPa
Flash point	ca. 392 °F (200 °C)
Evaporation rate	No information available.
Flammability (solid, gas)	No information available.
Lower explosion limit	No information available.

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Upper explosion limit	No information available.
Vapor pressure	< 0.1 hPa at 68 °F (20 °C)
Relative vapor density	No information available.
Density	0.86 g/cm <sup>3</sup> at 68 °F (20 °C)
Relative density	No information available.
Water solubility	at 68 °F (20 °C) practically insoluble
Partition coefficient: n-octanol/water	Not applicable
Autoignition temperature	617 - 671 °F(325 - 355 °C)
Decomposition temperature	> 662 °F (> 350 °C)
Viscosity, dynamic	ca.110 - 230 mPa.s at 68 °F (20 °C)
Explosive properties	Not classified as explosive.
Oxidizing properties	none
Viscosity, kinematic	> 22.5 mm <sup>2</sup> /s at 104 °F (40 °C)

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### SECTION 10. Stability and reactivity

#### Reactivity

Forms explosive mixtures with air on intense heating.  
A range from approx. 15 Kelvin below the flash point is to be rated as critical.

#### Chemical stability

Sensitivity to light  
The product is chemically stable under standard ambient conditions (room temperature) .

#### Possibility of hazardous reactions

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Violent reactions possible with:

Strong oxidizing agents

Risk of explosion with:

nitrates, chlorates, perchlorates

### Conditions to avoid

Strong heating.

### Incompatible materials

no information available

### Hazardous decomposition products

no information available

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## SECTION 11. Toxicological information

### Information on toxicological effects

*Likely route of exposure*

Eye contact, Skin contact

*Acute oral toxicity*

LD50 Rat: > 5,000 mg/kg (External MSDS)

Symptoms: Stomach/intestinal disorders

*Acute inhalation toxicity*

LC50 Rat: > 5 mg/l; 4 h ; dust/mist  
(External MSDS)

Symptoms: Inhalation may lead to the formation of oedemas in the respiratory tract., Possible damages:, Pneumonia

*Acute dermal toxicity*

LD50 Rabbit: > 2,000 mg/kg  
(External MSDS)

*Skin irritation*

Rabbit

Result: No skin irritation  
(External MSDS)

*Eye irritation*

Rabbit

Result: No eye irritation  
(External MSDS)

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### *Sensitization*

Sensitization test (Magnusson and Kligman): Guinea pig

Result: negative

Method: OECD Test Guideline 406

### *Repeated dose toxicity*

Subacute toxicity, (External MSDS)

Subchronic toxicity, (External MSDS)

### *Genotoxicity in vitro*

Ames test

Result: negative

(External MSDS)

Mutagenicity (mammal cell test): chromosome aberration.

Result: negative

(External MSDS)

### *Carcinogenicity*

Did not show carcinogenic effects in animal experiments. (External MSDS)

### *Specific target organ systemic toxicity - single exposure*

The substance or mixture is not classified as specific target organ toxicant, single exposure.

### *Specific target organ systemic toxicity - repeated exposure*

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

### *Aspiration hazard*

Regarding the available data the classification criteria are not fulfilled.

## **Carcinogenicity**

IARC	No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
NTP	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
ACGIH	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

## **Further information**

However, when the product is handled appropriately, hazardous effects are unlikely to occur.

Handle in accordance with good industrial hygiene and safety practice.



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### SECTION 12. Ecological information

#### Ecotoxicity

##### *Toxicity to fish*

LC50 *Leuciscus idus* (Golden orfe): > 1,000 mg/l; 96 h  
OECD Test Guideline 203

##### *Toxicity to daphnia and other aquatic invertebrates*

*Daphnia magna* (Water flea): > 100 mg/l; 48 h  
OECD Test Guideline 202

##### *Toxicity to algae*

*Pseudokirchneriella subcapitata* (green algae): >= 100 mg/l; 72 h  
OECD Test Guideline 201

#### Persistence and degradability

##### *Biodegradability*

31.3 %; 28 d  
OECD Test Guideline 301F  
Not readily biodegradable.

#### Bioaccumulative potential

*Partition coefficient: n-octanol/water*  
Not applicable

#### Mobility in soil

No information available.

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### SECTION 13. Disposal considerations

The information presented only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. Disposal should be in accordance with applicable regional, national and local laws and regulations.

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### SECTION 14. Transport information

#### Land transport (DOT)

Not classified as dangerous in the meaning of transport regulations.

#### Air transport (IATA)

Not classified as dangerous in the meaning of transport regulations.

#### Sea transport (IMDG)

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### SECTION 15. Regulatory information

#### United States of America

#### Canada

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

#### Notification status

TSCA:	All components of the product are listed in the TSCA-inventory.
DSL:	All components of this product are on the Canadian DSL

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### SECTION 16. Other information

#### Training advice

Provide adequate information, instruction and training for operators.

#### Key or legend to abbreviations and acronyms used in the safety data sheet

Used abbreviations and acronyms can be looked up at [www.wikipedia.org](http://www.wikipedia.org).

Revision Date 02/26/2020

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The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to appropriate safety precautions. It does not represent a warranty of any product properties and we assume no liability for any loss or injury which may result from the use of this information. Users should conduct their own investigations to determine the suitability of the information.

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