

(10654)

Material Safety Data Sheet



Revision Number: 001.3

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name: P3 SAF-T-CLEAN 104
Product use: Solvent
IDH number: 592830
Region: Canada
Company address: Henkel Canada Corporation
Contact information: Telephone: 905.814.6511

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Physical state: Liquid
Color: Colorless
Odor: Petroleum, aromatic
WHMIS hazard class: B.3, D.2.B
WARNING: COMBUSTIBLE!
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

Inhalation: Inhalation of vapors or mists of the product may be irritating to the respiratory system.
Skin contact: Excessive inhalation of this material causes headache, dizziness, nausea and incoordination.
Eye contact: This product may cause irritation to the eyes.
Ingestion: Ingestion of this product may cause nausea, vomiting and diarrhea.

Existing conditions aggravated by exposure: Eye, skin and respiratory disorders. Central and/or peripheral nervous system disorders.

See Section 11 for additional toxicological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Table with 3 columns: Hazardous components, CAS NUMBER, %

4. FIRST AID MEASURES

Inhalation: If mist or vapor of this product is inhaled, remove person immediately to fresh air. Seek medical attention if symptoms develop or persist.

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<b>Skin contact:</b>	For skin contact flush with large amounts of water. If skin irritation persists, call a physician.
<b>Eye contact:</b>	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
<b>Ingestion:</b>	Seek medical attention from a specialist. DO NOT induce vomiting unless directed to do so by medical personnel.
<b>Notes to physician:</b>	This material, if aspirated into the lungs, may cause chemical pneumonitis; treat the affected person appropriately.

## 5. FIRE FIGHTING MEASURES

<b>Flash point:</b>	38.9 °C (102.02 °F) Tagliabue closed cup
<b>Flashback:</b>	Not evaluated.
<b>Flame projection:</b>	Not evaluated.
<b>Autoignition temperature:</b>	Not determined
<b>Flammable/Explosive limits - lower:</b>	1 % (value for solvent)
<b>Flammable/Explosive limits - upper:</b>	7 % (value for solvent)
<b>Extinguishing media:</b>	Foam, dry chemical or carbon dioxide. In case of fire, keep containers cool with water spray.
<b>Special firefighting procedures:</b>	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.
<b>Unusual fire or explosion hazards:</b>	This product is combustible above the flashpoint.
<b>Hazardous combustion products:</b>	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
<b>Sensitivity to Mechanical Impact:</b>	No information available.
<b>Sensitivity to static discharge:</b>	Electrostatic charge may build-up during handling. Grounding of equipment is recommended.

## 6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

<b>Environmental precautions:</b>	Prevent further leakage or spillage if safe to do so. Wear suitable protective clothing, gloves and eye/face protection. Remove all sources of ignition.
<b>Clean-up methods:</b>	Absorb spill with inert material. Shovel material into appropriate container for disposal. Dispose of according to Federal, State and local governmental regulations.

## 7. HANDLING AND STORAGE

<b>Handling:</b>	Avoid contact with eyes, skin and clothing. Avoid breathing vapors or mists of this product. Provide adequate ventilation. Wash thoroughly after handling. Do not take internally. Keep away from heat, spark and flame.
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**Storage:** Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Do not pressurize, cut, heat or weld containers. Empty product containers may contain product residue. Do not reuse empty containers.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
1,2,4-Trimethylbenzene	25 ppm TWA	None	None	None
Solvent naphtha (petroleum), light arom.	None	None	None	50 ppm
Mesitylene	25 ppm TWA	None	None	None
Diethylene glycol monobutyl ether	None	None	None	50 ppm TWA 75 ppm STEL
Diethylbenzene	None	None	5 ppm TWA	None
Xylenes	100 ppm TWA 150 ppm STEL	100 ppm (435 mg/m <sup>3</sup> ) TWA	None	None
Cumene	50 ppm TWA	50 ppm (245 mg/m <sup>3</sup> ) TWA (SKIN)	None	None
Ethylbenzene	20 ppm TWA	100 ppm (435 mg/m <sup>3</sup> ) TWA	None	None

**Engineering controls:** Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.

**Respiratory protection:** If ventilation is not sufficient to effectively prevent buildup of aerosols, mists or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.

**Eye/face protection:** Wear chemical goggles; face shield (if splashing is possible).

**Skin protection:** Chemical resistant, impermeable gloves. Gloves should be tested to determine suitability for prolonged contact. Use of impervious apron and boots are recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Color:</b>	Colorless
<b>Odor:</b>	Petroleum, aromatic
<b>Odor threshold:</b>	Not available.
<b>pH:</b>	Not applicable
<b>Vapor pressure:</b>	4.8 mm hg (37.8 °C (100°F)) Approximately
<b>Boiling point/range:</b>	153 °C (307.4 °F) Approximately
<b>Melting point/ range:</b>	Not determined
<b>Specific gravity:</b>	0.84 - 0.90 at 15.9 °C (60.62 °F) (Water = 1)
<b>Vapor density:</b>	4.3
<b>Flash point:</b>	38.9 °C (102.02 °F) Tagliabue closed cup
<b>Flashback:</b>	Not evaluated.
<b>Flame projection:</b>	Not evaluated.
<b>Flammable/Explosive limits - lower:</b>	1 % (value for solvent)
<b>Flammable/Explosive limits - upper:</b>	7 % (value for solvent)
<b>Autoignition temperature:</b>	Not determined
<b>Evaporation rate:</b>	Not available.
<b>Solubility in water:</b>	Negligible
<b>Partition coefficient (n-octanol/water):</b>	Not available.
<b>VOC content:</b>	875 g/l EPA Method 24

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable at normal conditions.
<b>Hazardous reactions:</b>	None under normal processing.
<b>Hazardous decomposition products:</b>	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
<b>Incompatible materials:</b>	This product may react with strong acids, bases and oxidizing agents.
<b>Conditions to avoid:</b>	Keep away from heat, spark and flame.

## 11. TOXICOLOGICAL INFORMATION

**Toxicologically synergistic products:** No information available. No information available.

Refer to the following for Irritancy of Product, Sensitization to Product, Carcinogenicity, Reproductive Toxicity, Teratogenicity, and Mutagenicity.

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)	ACGIH Carcinogen
1,2,4-Trimethylbenzene	No	No	No	No
Solvent naphtha (petroleum), light arom.	No	No	No	No
Mesitylene	No	No	No	No
Diethylene glycol monobutyl ether	No	No	No	No
Diethylbenzene	No	No	No	No
Xylenes	No	No	No	Group A4
Cumene	No	Group 2B	No	No
Ethylbenzene	No	Group 2B	No	Group A3

Hazardous components	LD50s and LC50s	Health Effects/Target Organs
1,2,4-Trimethylbenzene	Oral LD50 (RAT) = 6.0 g/kg Dermal LD50 (rabbit) > 3,160 mg/kg Inhalation LC50 (RAT, 48 h) = 2,000 mg/l	Central nervous system, Irritant, Respiratory
Solvent naphtha (petroleum), light arom.	None	Irritant
Mesitylene	None	Central nervous system, Irritant, Respiratory
Diethylene glycol monobutyl ether	Oral LD50 (RAT) = 6,560 mg/kg Oral LD50 (rabbit) = 2,200 mg/kg Oral LD50 (RAT) = 4,500 mg/kg Oral LD50 (RAT) = 5,660 mg/kg Oral LD50 (RAT) = 7,292 mg/kg Oral LD50 (RAT) = 6,600 mg/kg Dermal LD50 (rabbit) = 2,700 mg/kg Dermal LD50 (rabbit) = 4,120 mg/kg	Blood, Central nervous system, Irritant, Kidney
Diethylbenzene	None	Irritant, Kidney, Liver, Nervous System
Xylenes	Oral LD50 (RAT) = 4,300 mg/kg Oral LD50 (RAT) = 6,670 mg/kg Oral LD50 (RAT) = 3,523 - 8,600 mg/kg Dermal LD50 (rabbit) > 43 g/kg Inhalation LC50 (RAT, 4 h) = 6,350 mg/l	Cardiac, Central nervous system, Irritant, Kidney, Liver
Cumene	Oral LD50 (RAT) = 1,400 mg/kg Oral LD50 (RAT) = 2.91 g/kg Inhalation LC50 (RAT, 4 h) = 8,000 mg/l	Central nervous system, Irritant, Lung
Ethylbenzene	Oral LD50 (RAT) = 5.46 g/kg Oral LD50 (RAT) = 3,500 mg/kg Dermal LD50 (rabbit) = 17,800 mg/kg	Irritant, Central nervous system

## 12. ECOLOGICAL INFORMATION

**Ecological information:** No data available.

### 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of according to Federal, State and local governmental regulations.

### 14. TRANSPORT INFORMATION

#### Canada Transportation of Dangerous Goods - Ground

Proper shipping name: PETROLEUM DISTILLATES, N.O.S.  
Hazard class or division: 3  
Identification number: UN 1268  
Packing group: III

#### International Air Transportation (ICAO/IATA)

Proper shipping name: Petroleum distillates, n.o.s.  
Hazard class or division: 3  
Identification number: UN 1268  
Packing group: III

#### Water Transportation (IMO/IMDG)

Proper shipping name: PETROLEUM DISTILLATES, N.O.S.  
Hazard class or division: 3  
Identification number: UN 1268  
Packing group: III  
Marine pollutant: Solvent naphtha, 1,2,4-Trimethylbenzene

### 15. REGULATORY INFORMATION

#### Canada Regulatory Information

CEPA DSL/NDL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

#### United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

### 16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: New information added in Section(s): 14

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR), and the MSDS contains all the information required by the CPR.

Prepared by: John DiCerbo, Sr. Regulatory Affairs Specialist

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