

Section 1: Product and Company Identification

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Product Name: Parker's Perfect
Product Description: Fog-preventing glass cleaner
Date of Revision: 22 May 2013

Section 2: Hazard Identification

Emergency Overview: Clear violet liquid, mild odor. May be irritating to eyes, skin and respiratory system.

OSHA Regulatory Status: This material is considered hazardous under 29 CFR 1910.

WHMIS Status: D2B

Potential Health Effects:

Inhalation: Inhalation of vapors irritates the respiratory tract. Exposure to high concentrations has a narcotic effect, producing symptoms of dizziness, drowsiness and headache.

Ingestion: May be harmful if swallowed in large amounts.

Skin Contact: May cause skin irritation.

Eye Contact: May cause eye irritation

Chronic Exposure: No information found.

Aggravation of Pre-existing Conditions: Persons with pre-existing skin disorders or eye problems or impaired liver or kidney function may be more susceptible to the effects of the substance.

Target Organs: Kidneys, central nervous system, eyes.

Section 3: Composition / Information On Ingredients

Component	Common Names, Synonyms	CAS #	Weight %
Iso-propyl alcohol	2-propanol, isopropanol	67-63-0	19
Water		7732-18-5	> 50

Non-hazardous components may or may not be listed. Carcinogens are listed when present at 0.1% or more; components which are otherwise hazardous according to OSHA are listed when present at 1.0% or more. This is not intended to be complete compositional disclosure. See Section 15 for applicable states right to know and other regulatory information.

Section 4: First Aid Measures

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If difficulty continues, seek medical attention.

Ingestion: If large amounts are ingested, seek medical advice. DO NOT induce vomiting. Never give anything by mouth to an unconscious person.

Skin: Flush skin with plenty of water for 5 minutes.

Eyes: Flush eyes with plenty of water for 15 minutes, lifting lower and upper eyelids occasionally.

Note to Physicians: Not applicable.

Section 5: Fire Fighting Measures

Fire: Not flammable.

Explosion: Not considered an explosion hazard.

Extinguishing Media: Use media suitable for surrounding fire.

Special Precautions: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

NFPA Rating: Health - 1 Flammability - 0 Reactivity - 0

Section 6: Accidental Release Measures

Small spills can be washed to drains and sanitary sewer systems.

Large spill - Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert

material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust.

Section 7: Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Separate from incompatible materials. Containers of this material may be hazardous when empty since they retain product residues (liquid, vapors); observe all warnings and precautions listed for the product.

Section 8: Exposure Control / Personal Protection

Component	CAS #	OSHA PEL	ACGIH TLV	NIOSH REL
Iso-propyl alcohol	67-63-0	400 ppm TWA	200 ppm TWA 400 ppm STEL	400 ppm TWA 2000 ppm IDLH
Water	7732-18-5	Not established	Not established	Not established

Personal Protective Equipment:

Skin Contact: Nitrile, latex or natural rubber gloves provide suitable protection when handling solution.

Eye Contact: Use chemical safety goggles and/or full face shield where misting or splashing of solutions is possible. Maintain eye wash fountain in work area.

Inhalation: Use NIOSH-approved vapor respirator if exposure is unknown or exceeds permissible limits. A respiratory protection program that meets OSHA's 29 CFR 1910.134 or ANSI Z88.2 requirements must be followed whenever workplace conditions warrant respirator use. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Engineering Controls: A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

Section 9: Physical and Chemical Properties

Appearance	Clear violet liquid	Specific Gravity (g/mL)	0.96
Odor	Alcohol, medicinal	pH	6 - 8
Odor Threshold	Not determined	Solubility in water	Complete
Melting Point	Not determined	% Volatiles	>98%
Boiling Point	100°C (212°F)	Evaporation Rate	Not determined
Flash Point	Not applicable	Vapor Pressure	Not determined

Section 10: Stability and Reactivity

Chemical Stability: This product is stable in closed containers at room temperature.

Hazardous Decomposition Products: Carbon oxides (CO, CO₂), organic acids and aldehydes.

Hazardous Polymerization: Will not occur.

Incompatibilities: Strong bases, strong acids, water-reactive materials.

Conditions to Avoid: Electrical contact.

Section 11: Toxicological Information

Acute Dose Effects: Eyes: Isopropyl alcohol: Rabbit: Draize: 100 mg/24H Moderate

Skin: Isopropyl alcohol: Rabbit: LD50 = 12800 uL/kg

Oral: Isopropyl alcohol: Rat: LD50: 5045 mg/kg; Mouse: LD50: 3600 mg/kg

Inhalation: Isopropyl alcohol: Mouse: LC50: 53000 mg/m³; Rat: LC50: 16000 ppm/8H

Carcinogenicity: No components listed by ACGIH, IARC, NTP, or CA Proposition 65.

Section 12: Ecological Information

Environmental Fate: This product is not expected to bioaccumulate. When released into water or air its expected half-life is 1- 10 days.

Ecotoxicity: The LC50/96-hour values for fish are over 100 mg/l. This material is not expected to be toxic to aquatic life.

Section 13: Disposal Considerations

As a waste, this material IS NOT considered a HAZARDOUS WASTE under RCRA (29 CFR 261).

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility.

Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

Section 14: Transport Information

Not regulated for shipping by 49 CFR or TDG

CERCLA Reportable Quantity (RQ): Not applicable.

This data provided for information only. The description shown may not apply to all shipping situations. Consult 49 CFR, or appropriate regulations to properly classify your shipment for transportation.

Section 15: Regulatory Information

TSCA Chemical Inventory: All of the components in this product are listed on the TSCA Inventory.

TSCA Sec 4 Chemical Test Rule: None of the components in this product are under a Chemical Test Rule.

TSCA Sec 8(d): None of the components in this product are on the Health and Safety Reporting List.

TSCA Sec 12(b) Notices of Export: None of the components in this product are on this list.

TSCA Significant New Use Rule (SNUR): None of the components in this product are on this list.

SARA Sec 302 (EHS) TPQ: None of the components in this product are on this list.

SARA Sec 302 (EHS) RQ: None of the components in this product are on this list.

SARA Sec 311/312: Acute – Yes; Chronic – No; Fire – No; Release of Pressure – No; Reactivity – Yes

SARA 313 List: None of the components in this product are reportable under Section 313 Title III and 40 CFR Part 372.

CERCLA Hazardous Substances and corresponding RQs: Not applicable

RCRA: None of the components in this product are on this list.

Clean Air Act: Hazardous Air Pollutants? No **Class 1 Ozone Depletors?** No **Class 2 Ozone Depletors?** No

Clean Water Act: Hazardous Substance? No **Priority Pollutant?** No **Toxic Pollutant?** No

Chemical Weapons Convention: None of the components in this product are on this list.

Drug Enforcement Agency (DEA) CDTA: None of the components in this product are on this list.

OSHA: None of the components in this product is considered Highly Hazardous by OSHA.

State Right-to-Know Lists: Isopropyl alcohol is found on the Right-to-Know lists of California, New Jersey, Pennsylvania, Minnesota and Massachusetts.

California Proposition 65: None of the components in this product are on this list.

Canadian: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by the Controlled Products Regulations.

The components in this product are listed, or exempt from listing, on the Canadian Domestic Substances List.

WHMIS Classification: D2B

Section 16: Other Information

Abbreviations and acronyms used:

ACGIH	American Conference of Governmental Industrial Hygienists	NA	not applicable, not available
ANSI	American National Standards Institute	NIOSH	National Institute for Occupational Safety and Health
atm	atmosphere (pressure unit)	ND	not determined
BOD	biological oxygen demand	NFPA	National Fire Prevention Association
CAS	Chemical Abstracts Service	NTP	National Toxicology Program
CC	closed cup	OC	open cup
CDTA	Chemical Drug and Trafficking Act	OSHA	Occupational Safety and Health Administration
COC	Cleveland Open Cup	Part	partition
COD	chemical oxygen demand	PEL	permissible exposure limits
CFR	Code of Federal Regulations	ppb	parts per billion
CPR	cardio-pulmonary resuscitation	PPE	personal protective equipment
DEA	Drug Enforcement Agency	ppm	parts per million
DOT	Department of Transportation	psi	pounds per square inch
EINECS	European Inventory of Existing Commercial Chemical Substances	RCRA	<u>Resource Conservation and Recovery Act</u>

FDA	Food and Drug Administration	RQ	Reportable quantity
IARC	Internat'l Agency for Research on Cancer	RTK	Right to Know
IDLH	immediate danger to life and health	SARA	Superfund Amendments and Reauthorization Act
kg	kilogram	STEL	short-term exposure limit
L	liter	TCC	Tagliabue Closed Cup
LC50	median lethal concentration	TPQ	threshold planning quantity
LD50	median lethal dose	TQ	threshold quantity
LEL	lower explosive limit	TSCA	Toxic Substances Control Act
mg	milligram	TWA	time-weighted average
mL	milliliter	UEL	upper explosive limit

This document was prepared in accordance with 29 CFR 1910.1200 and ANSI Z400.1-2010.

Prepared by Douglas R. Chrisope on 22 May 2013.

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