



SAFETY DATA SHEET (SDS) PHOTOCLEAN

1. IDENTIFICATION

Product Name: PhotoClean Liquid
Other Name or Code: 3052101
Use: Cleaning agent for removing the oxygen-inhibiting layer
Supplier Name: DenPlus Inc.
Address: 333-M Chemin du Tremblay
Boucherville, QC, Canada, J4B 7M1
Phone Number for Information: 450.641.1330
Emergency Phone Number: 613.996.6666
Anti-Poison Center of Quebec 1.800.463.5060

2. HAZARDS IDENTIFICATION

2.1 Classification

Flammable liquid - Category 2	H225	Highly flammable liquid and vapor
Serious eye damage/eye irritation - Category 1	H318	Cause serious eye irritation
Specific target organ toxicity (STOT) - single exposure - Category 3	H336	May cause drowsiness or dizziness

2.2 Label elements



Signal word: Danger

Hazard statements: H225 Highly flammable liquid and vapor
H318 Cause serious eye irritation
H336 May cause drowsiness or dizziness

Precautionary statements:	P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No Smoking.
	P235	Keep cool
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P310	Immediately call a poison center/doctor.

3. INFORMATION ON INGREDIENTS

Liquid made of 1-propanol with various additives

Hazardous ingredients	CAS	Concentration range (by weight)
1-propanol	200-746-9	80 to 100 %

4. FIRST-AID MEASURES

4.1 Description of first aid measures

Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell.
Eye Contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain immediate medical attention.
Ingestion	IF SWALLOWED: rinse mouth. Drink plenty of water. Obtain immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Causes eye damage/irritation. May cause respiratory irritation.

4.3 Indication of any immediate medical attention and special treatment needed

None necessary.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

In case of fire, use water spray, carbon dioxide (CO₂), spray foam, dry powder. Keep containers cool by spraying water if exposed to fire. Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Highly flammable liquid and vapor. Vapors can form explosive mixtures in air. Sealed containers may rupture explosively if hot.

5.3 Advice for firefighters

A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Eliminate sources of ignition. Wear protective gloves and eye/face protection. Avoid breathing vapors. See section 8.

6.2 Environmental precautions

Avoid release to the environment. Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

6.3 Methods and material for containment and cleaning up

Collect spillage. Adsorb spillages onto sand, earth or any suitable adsorbent material. Do not adsorb onto sawdust or other combustible materials. Transfer to a lidded container for disposal or recovery. Use only non-sparking tools.

6.4 Reference to other sections

See sections 8 and 13

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Do not eat, drink or smoke at the work place. Wash thoroughly after handling. Avoid breathing vapors. Use only outdoors or in a well-ventilated area. Use only non-sparking tools. Take precautionary measures against static discharge.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect from sunlight.

Storage temperature (°C): Preferably not exceeding 25°C.

Incompatible materials: Oxidizing agents, pyrophoric or self-heating substances.

7.3 Specific end use(s)

Alcoholic cleansing agent for removing the oxygen-inhibiting layer from the surface of light-cured resins.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control parameters:

Substance	TWA	TWA	STEL	STEL
1-propanol	500 mg/m ³	200 ppm	625 mg/m ³	250 ppm

TWA: Time-weighted average (8 h)

STEL: Short-term exposure limit (15 min)

8.2 Exposure controls

Appropriate engineering controls

Do not eat, drink or smoke at the work place. Provide adequate ventilation, including appropriate local extraction, to ensure that the occupational exposure limit is not exceeded. Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required. The following information is given as general guidance.

Eye/face protection	Wear eye/face protection. Safety spectacles/goggles/full face shield.
Skin protection	Wear suitable gloves and protective clothing. Suitability of gloves should be confirmed with glove manufacturer. Change gloves, if contamination occurs or duration of activity exceeds breakthrough time. Breakthrough time of the glove material: refer to the information provided by the gloves' producer.
Respiratory protection	Wear suitable respiratory protective equipment if exposure to levels above the occupational exposure limit is likely. A dust mask is not acceptable.

Environmental exposure controls

Ensure proper process control to ensure releases to air are within local permits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Blue liquid
Odor	Characteristic
pH (Value)	Not applicable
Boiling Point (°C)	97
Flash Point (°C)	22
Flammability (solid, gas)	Not applicable
Flammable Limits (Lower) (%v/v)	2.4
Flammable Limits (Upper) (%v/v)	10.8
Vapor pressure (Pascal)	1900 at 20°C
Solubility (Water)	Soluble
Solubility (Other)	Miscible with most organic solvents
Partition Coefficient (n-Octanol/water)	Not determined
Auto Ignition Temperature (°C)	400
Viscosity (mPa. s)	Not available

Explosive properties	Not applicable
Oxidizing properties	Not oxidizing
Density (g/ml)	0.81 at 20 °C

10. STABILITY AND REACTIVITY

10.1 Reactivity

Highly flammable.

10.2 Chemical stability

Stable under storage at normal ambient temperatures.

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Keep away from heat, sparks and open flames.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No known hazardous decomposition products.

11. TOXICOLOGICAL INFORMATION

Acute toxicity Based on available data, the classification criteria are not met.

ATEmix tested

Source	Route	Species	Value
	Oral	Rat	LD50 1870 mg/Kg
	Dermal	Rabbit	LD50 5040 mg/Kg

Skin corrosion/irritation Skin irritation: Based on available data, the classification criteria are not met. Causes serious eye damage.

Sensitization Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT - single exposure May cause drowsiness or dizziness.

STOT - repeated exposure None.

Aspiration hazard Based on available data, the classification criteria are not met.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

This product is not ecotoxic if properly used and handled.

Aquatic toxicity	Dose	Hours
Acute fish toxicity	LC50 4480 mg/l	96
Acute algae toxicity	ErC50 4480 mg/l	96
Acute crustacea toxicity	EC50 6300 mg/l	48

12.2 Persistence and degradability

This product has not been tested.

12.3 Bioaccumulative potential

This product has not been tested.

12.4 Mobility in soil

This product has not been tested.

12.5 Results of PBT and vPvB assessment

This product has not been tested.

12.6 Other adverse effects

None known.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Do not allow to enter into surface or drains. Dispose in accordance with local regulations.

14. TRANSPORTATION CONSIDERATIONS

14.1 UN number

1274

14.2 UN Proper Shipping Name

n-PROPANOL (PROPYL ALCOHOL, NORMAL)

14.3 Transport hazard class(es)

Class	3
IMDG Class	3
IMDG EMS	F-E, S-D
IATA	3
ADR Classification Code	F1
ADR HIN	339
ADR Transport Category	2

Tunnel Restriction Code	D/E
RID	3
ADN	3

14.4 Packing group

III

14.5 Environmental hazards

Environmentally hazardous substance	No.
Marine Pollutant	Not classified as a Marine Pollutant.

14.6 Special precautions for user

Warning: Combustible liquid.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable.

15. REGULATORY INFORMATION

WHMIS 2015

Canadian Hazardous Products Regulations (SORS2015-17)

Canadian Hazardous Products Act (R.S.C., 1985, c. H-3)

Hazardous Products Information Regulation (Quebec S-2.1, r. 8.1)

16. OTHER INFORMATION

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