

Safety Data Sheet

HPG LCD and Plasma Screen Cleaner

Section 1: **Product and Company Identification.**

Product Name: **HPG LCD and Plasma Screen Cleaner Cleaner**

Intended Use: This product is intended as an environmentally friendly cleaning solution for eyewear, glasses, goggles, face shields, etc.

Company: GMS Surface Tech
 47 Ponderosa Drive, Antigonish, Nova Scotia
 Postal Code: B2G 2R4

Telephone: 1-902-595-2697

Emergency telephone: as above

Section 2. **Hazards Identification**

Odour - Essentially odourless in formulation – evaporated product can have mild surfactant like odour.

GHS Classification - Signal word - Warning.

Pictogram



Potential health effects

Health hazards – eye damage/eye irritation – Category 2A. Substance may cause skin irritation. Ingestion may cause gastrointestinal irritation and other effects.

Toxic Inhalation – See product label. Spray may irritate when inhaled.

Response If swallowed – Call a poison center/doctor if you feel unwell. Rinse mouth.

If on skin – Wash with plenty of water. If skin irritation occurs, seek medical advice/attention.

If in eyes – Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, seek medical advice/attention.

Take off contaminated clothing and wash before reuse.

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

OSHA Defined Hazards – Not classified.

Section 3 : Ingredients/Identity/Composition.

<i>Ingredient</i>	<i>CAS Number</i>	<i>Approx. Composition</i>
P-104	9003-11-6	0.05-1%
Pluronic L-64	9003-11-6	0.05-2%
Ethal-TDA-18	24938-91-8	0.04-3%
Preservative	8030-78-2	< 0.1%
Citric Acid	77-92-9	<0.001%
Water	7732-18-5	to 100%

Section 4: First-Aid Measures

General advice

Remove contaminated clothing.

If inhaled

If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

If on skin

Wash affected areas with water for at least 15 minutes. Skin contact with hot molten substance/product may cause thermal burns. Seek medical assistance for removal of adhering material.

If in eyes

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

If swallowed:

Drink 2 glasses of water or milk. Consult a physician.

Section 5: Fire-Fighting Measures

Flash point

No Flash

Autoignition

No data available.

Suitable extinguishing media

water spray, dry powder, foam

Hazards during fire-fighting:

Harmful vapours. evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Protective equipment for fire-fighting

Wear a self-contained breathing apparatus.

Skin Absorption of Solution

None known.

Skin Contact

Prolonged contact may cause a trace reddening of skin.

Eye contact

Irritant.

Section 6: Accidental Release Measures

Personal precautions

Use personal protective clothing. Information regarding personal protective measures see, section 8.

Environmental precautions

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Cleanup:

For small amounts: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder). Dispose of absorbed material in accordance with regulations.

Section 7: Handling and Storage

Note: Dried or evaporated solution is incompatible with oxidizers and strong acids.

No incompatibles known in solution form.

Handling

General advice:

No special measures necessary provided the product is used correctly.

Protection against fire and explosion

No special precautions necessary.

Section 8: Exposure Controls and Personal Protection

Personal protective equipment

Respiratory protection

No special requirements under normal usage conditions.

Hand protection

No special requirements under normal usage conditions.

Protective gloves

No special requirements under normal usage conditions.

Eye protection

No special requirements under normal usage conditions. Safety glasses with side-shields are recommended.

Appropriate engineering controls – No special requirements under normal usage conditions.

General safety and hygiene measures – Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended.

Section 9: Physical and Chemical Properties.

<i>Form</i>	Liquid
<i>Odour</i>	Essentially Odourless as Formulated
<i>Odour Threshold</i>	No Data Available.
<i>Colour</i>	Clear
<i>pH value</i>	5 - 8
<i>Freezing point</i>	~ 0°C at 101.325 kPa

Boiling point	~ 100°C at 101.325 kPa
Vapour Pressure	< 30 mmHg at 25 °C
Density	~ 1.0 g/cm ³ at 20°C
Viscosity	Close to Water
Solubility in water	Freely Soluble

Section 10: Stability and Reactivity.

Conditions to avoid

See SDS section 7 - Handling and storage.

Substances to avoid

Strong acids, strong bases, oxidizing agents

Hazardous reactions

No hazardous reactions when stored and handled according to instructions.

Decomposition products

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition

No data available.

Section 11: Toxicological Information.

Acute toxicity

Oral

No data

Dermal

No data

Irritation / corrosion

Skin

No data

Eye

No data

Sensitization

No data

Ingredient toxicological effects

<i>Ingredient</i>	<i>LD 50 Dermal (mg/kg)</i>	<i>LD 50 Oral (mg/kg)</i>
P-104	N/A	N/A
Pluronic L-64	20000, rabbit	9380, rat
Preservative	200-1000, rabbit	300-2000, rat
Citric Acid	2000, mouse	5400, mouse

Water	N/A	N/A
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Product ATE (Oral) > 50000 mg/kg

Section 12: Ecological Information.

Fish

No Data

Aquatic invertebrates

No Data

Aquatic plants

No Data

Microorganisms

No Data

Degradability / Persistence

This product is biodegradable and is classified as non-corrosive in solution form. Small spills or leaks can be rendered safe by washing with water and disposal of product in sewer or drain.

Bioaccumulation

No significant accumulation in organisms is to be expected.

Other adverse effects:

The product has not been tested.

Section 13: Disposal Information.

This product is biodegradable and is classified as non-corrosive in solution form. Small spills or leaks can be rendered safe by washing with water and disposal of product in sewer or drain. Large leaks are to be contained and the contained material disposed of in a licensed facility.

Section 14: Transport Information

Land transport

TDG - Not classified as a dangerous good under transport regulations

Sea transport

IMDG - Not classified as a dangerous good under transport regulations

Air transport- IATA/ICAO

Not classified as a dangerous good under transport regulations

Section 15: Regulatory Information

This SDS is prepared in accordance with Canadian WHIMIS 2015 Regulations.

WHMIS 1998 Hazard Class – D2B Toxic Materials (eye and skin irritant).

International Inventories

Hazardous substance – Not regulated.

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes

United States	Toxic Substances Control Act (TSCA) Inventory	Yes
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*Yes – indicates that all components of this product comply with the inventory requirements administered by the governing nations.

No – indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing nations

Section 16: Other Information

Prepared by : GMS Surface Tech
 47 Ponderosa Drive, Antigonish, Nova Scotia
 Postal Code: B2G 2R4

Telephone: Toll Free - 1-902-595-2697

Emergency telephone: as above

Date: Nov. 9, 2021 .

Disclaimer:

The above information is believed to be correct but does not claim to be comprehensive. The intent of this document is as a guide only. The information contained in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions undertaken by the end-user. It does not represent any guarantee of the properties of the product. GMS Surface Tech shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.