

SAFETY DATA SHEET: GOOD-BYE-GL

SECTION 1: PRODUCT & COMPANY IDENTIFICATION

1.0 APPLICABLE PART #: **PC-22275GL, PC222755GL**

1.1 IDENTITY: **Good-Bye-GL**

1.2 INTENDED USE: **Lavatory Deodorant / Bluing Fluid for Aircraft**

1.3 SUPPLIER: **Universal Photonics, Inc.
85 Jetson Lane
Central Islip, NY 11722**

FOR INFORMATION CALL

CUSTOMER SERVICE: **(516) 935-4000**

DATE PREPARED: **October 12, 2015**

1.4 EMERGENCY TELEPHONE NUMBER:

1.866.519.4752

3-E COMPANY - ACCT # 3665

SECTION 2: HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF SUBSTANCE: **Health Hazard**

2.2 GHS LABEL ELEMENTS:

HAZARD PICTOGRAM:



HAZARD SYMBOL

Danger

SIGNAL WORD:

Irritant

HAZARD STATEMENTS:

**H301 – Toxic if swallowed
H315 – Causes skin irritation
H317 – May cause allergic skin reaction
H318 - Causes serious eye damage
H331 – Toxic if inhaled
H334 – May cause asthma or breathing difficulties if inhaled
H401 – Toxic to aquatic life**

PRECAUTIONARY STATEMENTS:

**P233 - Keep container tightly closed
P261 – Avoid breathing vapors
P262 - Do not get in eyes, on skin, or on clothing
P264 - Wash hands thoroughly after handling
P280 – Wear protective gloves/eye protection/protective clothing
P284 - In case of inadequate ventilation, wear respiratory protection**

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PREVENTION:	Wear protective gloves. Wear eye protection to include splash goggles. Wear protective clothing. Use with ventilation. Use with mechanical exhaust. Wash hands after handling.
RESPONSE:	In the event of skin, eye, respiratory contact or ingestion, seek medical attention immediately.
STORAGE:	Keep container tightly closed when not in use. Do not return spent material back to original container.
DISPOSAL:	Dispose of waste in accordance with all regulatory agencies.
2.3 HAZARDS NOT OTHERWISE CLASSIFIED:	None known
2.4 UNKNOWN ACUTE TOXICITY:	None known

SECTION 3: COMPOSITION INFORMATION

COMPONENTS	CAS #	WEIGHT %
Gluteraldehyde	111-30-8	5
Trade Secret Information *	N/A	95

NOTE: ***Non-Regulated components are proprietary, confidential, and trade secret.**

SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES:

SKIN:	Remove soiled clothing and flush with soap and water.
EYES:	Flush with water for 20 minutes and immediately seek medical attention.
INHALATION:	Administer fresh air or oxygen.
INGESTION:	Induce vomiting. Immediately seek medical attention urgently. Maintain an open airway.

4.2 MOST IMPORTANT SYMPTOMS / EFFECTS, ACUTE & DELAYED:

SKIN CONTACT:	Will cause irritation.
EYE CONTACT:	Will cause moderate irritation and severe eye damage.
INHALATION:	Breathing high concentrations will irritate nose and throat with potential for asthma.
INGESTION:	Will cause serious gastric disturbances and toxicity.
ENVIRONMENT:	Not determined.

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CHRONIC: **Not determined.**

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY:

Immediately contact physician for further medical advice.

SECTION 5: FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA:

SUITABLE EXTINGUISHING MEDIA: **Water spray, foam, dry chemical, CO₂**

UNSUITABLE EXTINGUISHING MEDIA: **None Known**

5.2 SPECIFIC HAZARDS ARISING FROM THE MIXTURE:

FIRE HAZARD: **None**

EXPLOSION HAZARD: **None**

REACTIVITY: **None**

EXPOSURE HAZARDS: **Oxides of carbon.**

UNUSUAL FIRE/EXPLOSION HAZARD: **None**

5.3 SPECIAL PROTECTIVE EQUIPMENT: **Wear full protective safety equipment as standard practice.**

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

NON-EMERGENCY PERSONNEL: **Wear appropriate personal protection equipment (PPE). Avoid contact with skin & eyes. Do not walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate.**

EMERGENCY RESPONDERS: **Take note of any special instructions in Section 8.**

6.2 ENVIRONMENTAL PRECAUTIONS: **Do not introduce material directly into natural waterways such as rivers, lakes, streams, etc. or drains & sewers. Toxic to aquatic organisms.**

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP:

SMALL SPILL: **Stop leak if safe to do so. Use inert absorbent material and dispose in proper chemical waste container or to approved waste treatment areas.**

LARGE SPILL: **Stop leak if safe to do so, Approach release from upwind. Prevent entry into sewers or natural waterways. Contain and collect with inert absorbent material and place in**

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container for disposal according to local regulations (See Section 13). Dispose via a licensed waste disposal contractor.

6.4 REFERENCE TO OTHER SECTIONS: See Section 8, Exposure Controls & Personal Protection

SECTION 7: HANDLING & STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING: Use recognized standard safety practices. Handle with care to avoid contact.

7.2 CONDITIONS FOR SAFE STORAGE: When not in use, keep closure on container closed. Store indoors. Keep away from heat and freezing conditions.

SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1 CONTROL PARAMETERS:

COMPONENT NAME	CAS NUMBER	TLV (UNITS)
Glutaraldehyde	111-30-8	0.20 ppm (OSHA) 0.05 ppm (ACGIH)

8.2 EXPOSURE CONTROLS:

CONTROL PARAMETERS: General ventilation to control worker exposure to airborne contaminants. Ensure that emergency eyewash stations are in the immediate vicinity of any potential exposure.

ENGINEERING CONTROLS: If user operations generate dust, fumes, vapor or mist, use process enclosures, local exhaust or other engineering controls to keep worker exposure below any recommended or statutory limits.

PERSONAL PROTECTIVE CONTROLS:

HYGENE MEASURES: Wash hands, forearms and face thoroughly after handling product. Remove contaminated clothing and wash before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

SKIN PROTECTION: Chemical resistant, impervious gloves are recommended if exposure is prolonged – Neoprene type. Personal protective clothing for the body should be selected based upon the task being performed.

EYES: Avoid eye contact. Protective safety eyewear goggles are recommended if to avoid exposure to liquid splashes, mists, and dusts or when working on overhead structures if direct contact is evident.

RESPIRATORY: Should vapors exceed PEL, wear NIOSH approved dust & organic vapor respirator.

8.3 PERSONAL PROTECTIVE EQUIPMENT (PPE):

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Liquid
COLOR	Dark Blue
ODOR:	Perfume / sharp
ODOR THRESHOLD	Not determined
PH	6.5 – 7.5
SOLUBILITY:	Soluble in water
FLASH POINT:	212°F
LOWER FLAMMABLE LIMIT	None
UPPER FLAMMABLE LIMIT	None
AUTOIGNITION TEMPERATURE	Not applicable
DECOMPOSITION TEMPERATURE	Not applicable
FLAMMABILITY:	Not applicable
SPECIFIC GRAVITY:	1.01 at 25°C
BOILING POINT (°F):	Not determined
VAPOR PRESSURE:	18 at 20°C
VAPOR DENSITY:	Greater than 1 (Air = 1)
MELTING POINT (°F):	21°F
FREEZING POINT	Not applicable

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EVAPORATION RATE: **Less than 1 (Butyl Acetate = 1)**

VISCOSITY: **Not applicable**

PARTITION COEFFICIENT
 N-OCTANOL / WATER: **Not Determined**

SECTION 10: STABILITY & REACTIVITY

10.1 REACTIVITY: **None**

10.2 CHEMICAL STABILITY: **Stable**

10.3 HAZARDOUS REACTIONS: **None**

HAZARDOUS POLYMERIZATION: **None**

10.4 CONDITIONS TO AVOID: **None**

10.5 INCOMPATIBLE MATERIALS: **Strong acid, alkali, oxidizing agents**

10.6 HAZARDOUS DECOMPOSITION OF PRODUCTS: **Oxides of carbon**

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:

ACUTE TOXICITY:

LD50:

PRODUCT NAME	TEST	SPECIES	RESULT	EXPOSURE
Glutaraldehyde	LD50 Dermal	Rabbit	2560 mg/kg	-
	LD50 Oral	Rat	134 mg/kg	-

SKIN: **Irritant to skin**

INHALATION: **Sensitization**

INGESTION: **Not established**

11.2 POTENTIAL ACUTE HEALTH EFFECTS:

SKIN: **Irritation during prolonged contact**

EYES: **Strong irritant with danger of severe eye injury**

RESPIRATORY: **Will irritate nose & throat**

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INGESTION: **Will cause serious gastric disturbances and potential toxicity**

SYMPTOMS AFTER CONTACT:

SKIN: **Irritation, dryness, redness**

EYES: **Pain, watering, burning, redness, moderate irritation**

RESPIRATORY: **Irritation, asthmatic systems, dizziness**

INGESTION: **Stomach pain, gastric disturbances**

11.3 CHRONIC HEALTH EFFECTS: **No known significant effects or critical hazards**

11.4 CARCINOGENICITY:

NTP: **None**

IARC: **None**

OSHA: **None**

SECTION 12: ECOLOGICAL INFORMATION

12.1 TOXICITY:

AQUATIC ECOTOXICITY: **Toxic to aquatic organisms. Values for product not determined.**

12.2 PERSISTENCE & DEGRADABILITY:

Not determined

12.3 BIOACCUMULATIVE POTENTIAL: **Not known**

12.4 MOBILITY IN SOIL: **Not known**

12.5 OTHER ADVERSE EFFECTS: **Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment**

SECTION 13: DISPOSAL INFORMATION

13.1 WASTE TREATMENT METHODS: **For small spills, contain all residues with inert absorbent material and dispose in chemical recycle container. For large spills, stop leak if safe to do so. Approach release from upwind. Dyke or dam area and vacuum all wet areas for recycle by a licensed waste disposal contractor. Avoid contact with soil, waterways, drains, and**



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sewers unless such drains & sewers are fully compliant with the requirements of all authorities for disposal. Consult all Federal, State, & Local Regulatory authorities for proper disposal.

SECTION 14: TRANSPORTATION INFORMATION

REGULATORY INFORMATION	UN NUMBER	PROPER SHIPPING NAME	CLASSES	PACKING GROUP	LABEL	ADDITIONAL INFORMATION
DOT CLASSIFICATION	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NONE
TDG CLASSIFICATION	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NONE
IMDG CLASS	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE	NONE

SECTION 15: REGULATORY INFORMATION

15.1 U.S. FEDERAL REGULATIONS:

OSHA HAZARD COMMUNICATION STANDARD: **Non-regulated**

TSCA **Non-regulated**

SARA (302/304): **Non-regulated**

SARA (311/312): **Non-regulated**

SARA TITLE III: **This product does not contain any chemical subject to the reporting requirements of Section 313.**

OTHER REGULATORY STANDARDS: **Not regulated per 29 CFR 1900.1000 - 1500, 40 CFR PART 261.3, 302.4, 355, 370, 372**

15.2 STATE REGULATIONS: **Non-regulated**

15.3 INTERNATIONAL REGULATIONS: **Dangerous per EEC 67/548 / 88/ 379 for Glutaraldehyde**

SECTION 16: OTHER INFORMATION

HMIS RATING: Health 2, Flammability 0, Reactivity 0, Personal Protection B.

NFPA RATING: Health 2, Flammability 0, Reactivity 0

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DEFINITIONS:

DOT –	Department of Transportation
GHS –	The Globally Harmonized System of Classification and Labeling of Chemicals
HMIS -	Hazardous Materials Identification System
NIOSH –	National Institute for Occupational Safety and Health
NORM –	Natural Occurring Radioactive Materials
IATA –	International Air Transportation Association
IMO –	International Maritime Organization
OSHA –	Occupational Safety & Health Administration
TSCA –	Toxic Substance Control Act

SDS Revision #:2

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