Glo Germ™ Company
PO Box 537
Moab, Utah 84532

Safety Data Sheet (SDS)

Section 1: Identification

GLO GERM™ LOTION BASE (GEL) AND SURFACE CLEANING DETECTION GEL

Emergency & Information Telephone Numbers
1-800-842-6622 Glo Germ™ M-F 9 am -5 pm MST
1101 South Murphy Lane, Moab UT 84532

1-800-424-9300 ChemTrec®

NFPA Ratings H F R 0 1 0

Recommended use: Training aid used to determine hand washing and surface cleaning effectiveness specifically to avoid transmission/spread of microbes. For external use only. See product label for specific use and instruction. Do not ingest. Avoid contact with eyes.

Section 2: Hazard(s) Identification

No hazardous ingredients present in hazardous concentrations.
Health Rating: 0
Flammability Rating: 0
Reactivity Rating: 0
HMIS Rating Scale: 0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe;
N = No information provided by manufacturer; * = Chronic Health Hazard

Section 3: Composition/Information on Ingredients

Glo Germ™ White Powder:>15%
White lotion percentage: <85%
CETEARETH-20 1-5% CAS-No.: 68439-49-6
The ingredients are present in non-hazardous concentrations. Glo Germ™ Gel/Surface Cleaning Detection Gel is considered a Cosmetic Product which contains: Glo Germ™ Powder Purified Water, Glyceryl Mono Stearate,Ceteareth-20, Cetearyl Alcohol, White Petrolatum, Glycerin, Organic Soy Bean Oil, Isopropyl Myristate, Mineral Oil, Carbomer 934, Disodium EDTA, Triethanolamine, Methylisothiazolinone, Phenoxyethanol, & Propylene glycol.
Component Exposure Limits: OSHA, PEL, ACGIG TLV Unites: No limit

Section 4: First-Aid Measures

Eye contact: Flush eyes with large quantities of water immediately and continue to flush until discomfort is eased.
Skin contact: If discomfort or redness occurs wash off with warm water and soap.
Ingestion: Seek medical attention if any discomfort occurs.
Medical Conditions: Generally Aggravated by Exposure- Allergic or slight skin irritation may occur.

Section 5: Fire-Fighting Measures

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.
Flash Point: Boils before flashing
Flammable Limits: Unknown
LEL: Unknown **UEL:** Unknown
Extinguishing Media: No recommendations or restrictions for product.
Special Fire Fighting Procedures: No special firefighting procedures are indicated.
Unusual Fire and Explosion Hazards: None

Section 6: Accidental Release Measures

Spilled material may be scooped or wiped up by using an absorbent towel.
Spilled material and empty containers must be disposed of in accordance with local state, and federal regulations.

Section 7: Handling and Storage

No special precautions need to be taken for safe handling or storage. For best product results: Avoid freezing and temperatures above 100 deg F

Section 8: Exposure Controls/Personal Protection

Eye protection: Not required for normal use.
Skin protection: Not required for single use of short duration. For prolonged or repeated exposure, use impervious clothing over parts of the body subject to exposure.
Respiratory protection: Not required for normal use. If use of material results in vapor or mist, use an organic vapor respirator with a dust and mist filter. All respirators must be NIOSH certified. Do not use compressed oxygen in hydrocarbon atmospheres.
Ventilation: Upon generation of vapor or mist, adequate ventilation in accordance with good engineering practice is necessary.

Section 9: Physical and Chemical Properties

Appearance (physical state, color, etc.); Cream, Opaque White
Odor; None
Odor threshold; N/A
pH; 6.50 - 7.50
Relative density; 0.97 - 0.99 @ 68 °F
Melting point/freezing point; Not evaluated
Solubility(ies); dispersible in water

Initial boiling point and boiling range; Not evaluated
Flash point, Boils without flashing
Evaporation rate; N/A
Partition coefficient: n-octanol/water; Not evaluated

Items not applicable to product as material is stable, non-reactive and not a fire hazard the following have not been evaluated further: Auto-ignition temperature, Flammability (solid, gas), Upper/lower flammability or explosive limits, Decomposition temperature, and Viscosity, Upper/lower flammability or explosive limits, Vapor pressure, Vapor density.

Section 10: Stability and Reactivity

Stable or Unstable: Stable
Conditions to avoid: None
Incompatibility (materials to avoid): None
Hazardous Polymerization: Will Not Occur

Section 11: Toxicological Information

Routes of Exposure: Skin absorption, accidental ingestion or intentional misuse, eye contact, inhalation unlikely.
We have not carried out any animal testing, therefore we have no Toxicological Data specifically for this product. The Toxicological Data, where provided by the raw material manufacturer, can be made available on request. Other Health Effects: Low oral toxicity, but ingestion may cause irritation of the gastro-intestinal tract.

Section 12: Ecological Information* (non-mandatory)

Ecotoxicity: Not regarded as dangerous for the environment.

Section 13: Disposal Considerations* (non-mandatory)

Small amounts (less than 5 Litres) of unwanted product may be flushed with water to sewer. Larger volumes should be sent for disposal by approved waste contractor. Consign empty container to normal waste.

Section 14: Transport Information* (non-mandatory)

Liquid, white lotion, Synthetic Organic Colorant 1 1 0

Section 15: Regulatory Information* (non-mandatory)

*See Section 3 to determine regulatory information required in your City, State, Country.

Section 16: Other Information

Most Recent Revision 09/19/2014

Glo Germ™ Powder is manufactured in a plant that uses Formaldehyde. In 10 years of

random sample testing at independent labs, Formaldehyde has not been detected in Glo Germ™ particles. The original manufacturing method included using Formaldehyde for "curing" and the nature of the process ensures that any remaining formaldehyde is off-gassed.

Disclaimer: The information contained herein is accurate to the best of our knowledge. Glo Germ™ Company makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances.

*Note: Since other Agencies regulate this information, OSHA will not be enforcing Sections 12 through 15(29 CFR 1910.1200(g)(2)).

Glo Germ™ Company
PO Box 537
Moab, Utah 84532

Safety Data Sheet (SDS)

Section 1: Identification

GLO GERM™ POWDER
All colors

Emergency & Information Telephone Numbers
1-800-842-6622 Glo Germ™ M-F 9 am -5 pm MST
1101 South Murphy Lane, Moab UT 84532

1-800-424-9300 ChemTrec®

Recommended use: Training aid used to determine hand washing, cross-contamination avoidance and surface cleaning effectiveness specifically to avoid transmission/spread of microbes. For external use only. See product label for specific use and instruction. Do not ingest. Avoid contact with eyes.

Section 2: Hazard(s) Identification

No hazardous ingredients present.
Health Rating: 1
Flammability Rating: 1
Reactivity Rating: 0
HMIS Rating Scale: 0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe;
N = No information provided by manufacturer; * = Chronic Health Hazard

Section 3: Composition/Information on Ingredients

100% Melamine Resin(plastic)
Component Exposure Limits: OSHA, PEL, ACGIG TLV Unites: No limit

Section 4: First-Aid Measures

Eye contact: Flush eyes with large quantities of water immediately and continue to flush until discomfort is eased.
Skin contact: If discomfort or redness occurs wash off with warm water and soap.
Ingestion: Seek medical attention if any discomfort occurs.
Inhalation: Move to fresh air. If symptoms persist seek medical attention.
Medical Conditions: Generally Aggravated by Exposure- Allergic or slight skin irritation may occur.

Section 5: Fire-Fighting Measures

Flammable Properties: During a fire, irritating and toxic gases may be formed. Do not breathe smoke or fumes. Wear suitable protective equipment.

Flammability Class NA
Flash Point: None
Explosive Range: None
Flammable Limits: Unknown
LEL: Unknown **UEL:** Unknown
Extinguishing Media: Use dry chemical, alcohol foam, carbon dioxide or water spray when fighting fires involving this material.

Fire Fighting Instructions:
Keep unnecessary people away. Isolate area. Stay upwind. Wear self-contained breathing apparatus.
Special Fire Fighting Procedures: No special firefighting procedures are indicated.
Unusual Fire and Explosion Hazards: None

Section 6: Accidental Release Measures

This product is not defined as a hazardous waste under EPA 40 CFR 261. Sweep slowly to avoid stirring up dust and dispose of in sealed container along with regular waste. Do not flush to sewer to dispose.

Section 7: Handling and Storage

Handling: When using large quantities use in a well ventilated area. Improper handling may lead to dust cloud formation which, as with any organic dust, may be an explosion hazard.

Storage: Store in a dry area.

Section 8: Exposure Controls/Personal Protection

Eye protection: Not required for normal use.
Skin protection: Not required for single use of short duration. For prolonged or repeated exposure, use impervious clothing over parts of the body subject to exposure.
Respiratory protection: Not required for normal use.
Ventilation: Upon generation of large amounts of dust, adequate ventilation in accordance with good engineering practice is necessary.

Section 9: Physical and Chemical Properties

Form:	Powder
Appearance/Color:	Typically White, Orange or Yellow under normal light. Under UV light, white will appear blue or green, Orange is fluorescent orange, and Yellow is fluorescent yellow.
Odor:	None

Solubility (in water):	Insoluble
Boiling Range:	None
Evaporation Rate:	Non Volatile
Vapor Density:	Non Volatile
% Volatile Weight:	0. %
% Volatile Volume:	0. %
Weight/Gallon:	11.41
VOC	None

Items not applicable to product as material is stable, non-reactive and not a fire hazard the following have not been evaluated further: Auto-ignition temperature, Flammability (solid, gas), Upper/lower flammability or explosive limits, Decomposition temperature, and Viscosity, Upper/lower flammability or explosive limits, Vapor pressure.

Section 10: Stability and Reactivity

Stable or Unstable: Stable
Conditions to avoid: Heat, sparks, and open flame
Incompatibility (materials to avoid): Strong Oxidizers
Hazardous Polymerization: Will Not Occur
Hazardous Decomposition Products: In the event of combustion, oxides of carbon, nitrogen and sulfur will be formed.

Section 11: Toxicological Information

Routes of Exposure: Skin absorption not possible as particles are too large, accidental ingestion or intentional misuse, eye contact, inhalation.
We have not carried out any animal testing, therefore we have no Toxicological Data specifically for this product. The Toxicological Data, where provided by the raw material manufacturer, can be made available on request. Other Health Effects: ingestion may cause irritation of the gastro-intestinal tract.

Section 12: Ecological Information* (non-mandatory)

Ecotoxicity: Not regarded as dangerous for the environment.

Section 13: Disposal Considerations* (non-mandatory)

Dispose of in accordance with local, state, and federal regulations.

Section 14: Transport Information* (non-mandatory)

Not regulated.

Section 15: Regulatory Information* (non-mandatory)

SARA Title III SECTION 313:
This product contains no chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act.

California Proposition 65 (CARCINOGEN)

This product is manufactured in a facility that uses a chemical known to the state of California to cause cancer*

Ingredient Name	CAS Number
FORMALDEHYDE	00050-00-0

OSHA Hazard Communication Standard, 29 CFR 1910.1200
This product is not considered hazardous as defined.

SARA Sections 311 thru~ 312
Reporting of this product is not required.

Toxic Substances Control Act (TSCA)
All components in this product are listed, or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) 8(b) Inventory.

Clean Water Act
This product contains no ingredients regulated by the Clean Water Act.

Clean Air Act
This product contains no ingredients regulated by the Clean Air Act.

Hazardous Air Pollutant (HAPS)
This product contains no Hazardous Air Pollutants (HAP's).

Clean Air Act Ammendments(ODS)
No Glo Germ Company product contains an ozone depleting substance (ODS), nor are any of our products manufactured with them.

Coalition of Northeast Governors (CONEG)
This product is in compliance with CONEG (i.e., total cadmium, chromium, lead and mercury < 100 ppm) .

FDA 21 CFR
Glo Germ Company products are not listed by the FDA for use under 21 CFR since potential applications are so numerous that specific applications must be submitted to the FDA for inclusion in the 21 CFR FDA listing.

Section 16: Other Information

Most Recent Revision 11/14/2014

*Glo Germ™ Powder is manufactured in a plant that uses Formaldehyde. In 10 years of random sample testing at independent labs, Formaldehyde has not been detected in Glo Germ™ particles. The original manufacturing method included using Formaldehyde for "curing" and the nature of the process ensures that any remaining formaldehyde is off-gassed.

Disclaimer: The information contained herein is accurate to the best of our knowledge. Glo Germ™ Company makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances.

*Note: Since other Agencies regulate this information, OSHA will not be enforcing Sections 12 through 15(29 CFR 1910.1200(g)(2)).

Glo Germ™ Company
PO Box 537
Moab, Utah 84532

Safety Data Sheet (SDS)

Section 1: Identification

GLO GERM™

UV LED Hand held flashlights (This SDS covers all sizes and led orientations)

Emergency & Information Telephone Numbers
1-800-842-6622 Glo Germ™ M-F 9 am -5 pm MST
1101 South Murphy Lane, Moab UT 84532

1-800-424-9300 ChemTrec®

PLEASE NOTE: The Safety Data Sheet (SDS) requirements of the Occupational Safety and Health Administration (OSHA) for chemicals are not applicable to manufactured articles such as lamps. No material contained in a lamp is released during normal use and operation. The following information is provided as a service to our customers.

Recommended use: Training aid used to illuminate the Fluorescent Glo Germ™ particles as used in hand washing, cross-contamination avoidance and surface cleaning effectiveness specifically to avoid transmission/spread of microbes. For external use only. Do not shine into eyes. Always avoid contact with eyes.

Section 2: Hazard(s) Identification

No hazardous ingredients present in intact product. Do not look directly into the lit end of the flashlight or shine into the eyes of others. Use under competent adult supervision.
Health Rating: 0
Flammability Rating: 0
Reactivity Rating: 0
HMIS Rating Scale: 0 = Minimal; 1 = Slight; 2 = Moderate; 3 = Serious; 4 = Severe;
N = No information provided by manufacturer; * = Chronic Health Hazard

Section 3: Composition/Information on Ingredients

No material contained in a lamp is released during normal use and operation. The following information is provided as a service to our customers.

Section 4: First-Aid Measures

First aid measures are not applicable for normal use.
Eye contact: Most UV light sources have the potential of causing photokeratitis (eye injury) with only short exposure periods and should, therefore, be used in a manner which limits exposure time. Do not look directly into the lit end of the flashlight or shine into the eyes of others. Use under competent adult supervision.

The symptoms of overexposure to the eyes are not widely known. They are:

- a burning and painful sensation in the eye
- a sensitivity to light
- the sensation of a foreign object in the eye, sometimes described as sand in the eye

These symptoms usually develop several hours after the overexposure occurred.
If an eye injury is suspected, the individual should be examined by a physician.

Skin contact: The symptoms of UV overexposure to the skin are well known and characteristically called sunburn. If a skin injury is suspected, the individual should be examined by a physician.
Inhalation: Not applicable.
Medical Conditions: Not applicable.

Section 5: Fire-Fighting Measures

Flammability Class NA
Flash Point: None
Explosive Range: None
Flammable Limits: Unknown
LEL: Unknown **UEL:** Unknown
Extinguishing Media: Use dry chemical, alcohol foam, carbon dioxide or water spray when fighting fires involving this product.
Fire Fighting Instructions: Keep unnecessary people away. Isolate area. Stay upwind. Wear self-contained breathing apparatus.
Special Fire Fighting Procedures: No special firefighting procedures are indicated.
Unusual Fire and Explosion Hazards: None

Section 6: Accidental Release Measures

This product is not defined as a hazardous waste under EPA 40 CFR 261.

Section 7: Handling and Storage

Handling: Use care when handling to avoid breaking the flashlight.

Storage: Take steps to safeguard the flashlight from accidental damage.

Section 8: Exposure Controls/Personal Protection

Eye protection: Not required for normal use. Do not look directly into the lit end of the flashlight or shine into the eyes of others. Use under competent adult supervision. Most UV light sources have the potential of causing photokeratitis (eye injury) with only short exposure periods and should, therefore, be used in a manner which limits exposure time.

Please Note: Individuals sensitive to UV light, taking photosensitizing mediations, or those who lack optic lenses or who may have other abnormal eye conditions may not be adequately protected against exposure to artificial UV light and should avoid it altogether.

Long-wave, **UV-A**, ultraviolet light, with wavelengths ranging from **400 – 315 nm**, is harmless to skin and eyes. It causes no changes in the body and requires no protective precautions in normal use as recommended by the Glo Germ™ Company.

UV-A long-wave light within the range outlined above is relatively safe. However, prolonged exposure of the black light to the eyes may cause eye irritation. Symptoms, which can include tearing of the eyes, a burning or painful sensation in the eyes, sensitivity to light, or a sensation like that experienced when a foreign object is lodged in the eye, may not be present until several hours after exposure. To reduce likelihood of experiencing adverse symptoms, individuals should properly shield themselves and use the black lights only as directed. The above assumes a healthy eye and no corrective lenses. Therefore, the Glo Germ™ Company recommends that the lamp never be held within 6 inches of the eyes and do not look into the light at close range. This lamp should be used under adult supervision.

Exposure to UV lights should be limited. Black lights should not be tampered with, nor should their shields or lenses be removed. The Glo Germ™ Company uses black lights to detect "simulated" germs on hands and surfaces. Therefore, hands and surfaces only should be exposed to the light. Individuals should not look directly at the UV light.

Short-wave, **UV-B**, ultraviolet light, with wavelengths ranging from **315 – 280 nm**, does cause chemical changes in the body, such as the formation of vitamin D. With prolonged exposure, reddening of the skin and inflammation of the eyes may occur. While these are uncomfortable effects, they are temporary and no permanent damage will result. Ordinary glass or plastic will completely filter out short-wave ultraviolet light. The Glo Germ™ Company does **not** offer UV-B lights, only safe UV-A.

Ultra Shortwave, **UV-C** radiation has been known to cause blindness, 'blind spots' in the eyes, sun-burning of the skin, and skin cancer. For these reasons, the Glo Germ™ Company does **not** sell or offer short-wave, UV-C, lights. These lamps are used to disinfect objects, to sterilize water or other liquids, in special laboratory applications, and is the main ultraviolet wave length from the Sun and welder torches. The wavelength ranges from **280 – 100 nm**. The Glo Germ™ Company offers only safe UV-A.

Skin protection: Not required for normal use. **Please Note:** Individuals sensitive to UV light, taking photosensitizing mediations, or those who lack optic lenses or who may have other abnormal eye conditions may not be adequately protected against exposure to artificial UV light and should avoid it altogether.

Respiratory protection: Not applicable
Ventilation: Not applicable

Section 9: Physical and Chemical Properties

Not applicable to product as material is stable, non-reactive and not a fire hazard the following have not been evaluated further: Auto-ignition temperature, Flammability (solid, gas), Upper/lower flammability or explosive limits, Decomposition temperature, and Viscosity, Upper/lower flammability or explosive limits, Vapor pressure.

Section 10: Stability and Reactivity

Stable or Unstable: Stable
Conditions to avoid: Heat, sparks, and open flame
Incompatibility (materials to avoid): Strong Oxidizers
Hazardous Polymerization: Will Not Occur

Section 11: Toxicological Information

No material contained in our UV flashlight is released during normal use and operation. We have not carried out any animal testing, therefore we have no Toxicological Data specifically for this product.

Section 12: Ecological Information* (non-mandatory)

Ecotoxicity: Not regarded as dangerous for the environment when disposed of properly.

Section 13: Disposal Considerations* (non-mandatory)

Dispose of in accordance with local, state, and federal regulations. To check state regulations or to locate a recycler, go to www.lamprecycle.org.

Section 14: Transport Information* (non-mandatory)

Not regulated.

Section 15: Regulatory Information* (non-mandatory)

Not applicable.

Section 16: Other Information

Most Recent Revision 4/8/2015

Disclaimer: The information contained herein is accurate to the best of our knowledge. Glo Germ™ Company makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances.

*Note: Since other Agencies regulate this information, OSHA will not be enforcing Sections 12 through 15(29 CFR 1910.1200(g)(2)).