1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier
Product name GERM TRANSMISSION TRAINING GLOW POWDER
Product code GERM POWDER

1.2 Relevant identified uses of the substance or mixture and uses advised against
Recommended Use Pigment
Restrictions on use No information available

1.3 Details of the supplier of the safety data sheet
Supplier Black Light World 2256 Martin Pierce Road Cub Run, KY 42729 (270) 528-6555
E-mail Address service@blacklightworld.com

1.4 Emergency telephone number (270) 528-6555 USA

2. Hazards identification

2.1 Classification of the substance or mixture
GHS Classification in accordance with 29 CFR 1910.1200

2.2 Label elements
This product is not classified.

2.3. Other Hazards Hazards not otherwise classified (HNOC)
Not Applicable

2.4 Other information
Not Applicable
Unknown Acute Toxicity < 1% of the mixture consists of ingredient(s) of unknown toxicity
3. Composition/Information on Ingredients

Substance
This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Chemical Name Zinc sulphide - copper doped

CAS-No 68611-70-1

Weight % 90 - 100
* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First aid measures

4.1 Description of first-aid measures

General advice No information available.

Eye contact
Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

Skin contact Immediate medical attention is not required. Wash off with soap and water.

Inhalation Immediate medical attention is not required. Move to fresh air.

Ingestion Do NOT induce vomiting. Drink plenty of water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms See Section 2.2, Label Elements and/or Section 11, Toxicological effects.

4.3 Recommendations for immediate medical care and/or special treatment

Notes to physician Treat symptomatically.

5. Fire-Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media None.

5.2 Specific hazards arising from the substance or mixture

Special Hazard
None known based on information supplied

Hazardous Combustion Products Carbon oxides. Nitrogen oxides (NOx).

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

5.3 Advice for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures
6.1 Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation, especially in confined areas. Use personal protective equipment.

6.2 Environmental precautions
Dust deposits should not be allowed to accumulate on surfaces as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., cleaning dusty surfaces with compressed air). Non sparking tools should be used. Prevent product from entering drains. See Section 12 for additional Ecological information.

6.3 Methods and materials for containment and cleaning up
Methods for Containment Prevent dust cloud. Cover powder spill with plastic sheet or tarp to minimize spreading.
Methods for cleaning up Avoid dust formation. Take precautionary measures against static discharges. Do not dry sweep dust. Wet dust with water before sweeping or use a vacuum to collect dust. Use personal protective equipment. Take up mechanically and collect in suitable container for disposal. Prevent product from entering drains. Keep in suitable and closed containers for disposal.

7. Handling and storage

7.1 Precautions for safe handling
Advice on safe handling Avoid dust formation. Take precautionary measures against static discharges. Fine dust dispersed in air may ignite. Wear personal protective equipment.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities
Storage Conditions Keep tightly closed in a dry and cool place.
Materials to Avoid Contact with acids may release hydrogen sulfide, a toxic and flammable gas that may form explosive mixtures in air.

8. Exposure controls/personal protection

8.1 Occupational Exposure Limits (OEL)
Chemical Name Zinc sulphide - copper doped 68611-70-1
ACGIH TLV TWA: 1 mg/m³ Cu dust and mist
OSHA PEL -
British Columbia
Alberta
Quebec
Ontario TWAEV

8.2 Appropriate engineering controls
Engineering Measures Showers Eyewash stations
Ventilation systems.

8.3 Individual protection measures, such as personal protective equipment
Eye/Face Protection Safety glasses with side-shields.

Skin and body protection Wear chemical resistant footwear and clothing such as gloves, an apron or a whole body suit as appropriate.

Respiratory protection
If irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. NIOSH/MSHA approved respiratory protection should be worn if exposure is anticipated.
Hygiene measures See section 7 for more information

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties
Physical state Solid
Appearance Powder
Color Green
Odor Slight
Odor Threshold No information available
Property Values Not Applicable
pH Not Applicable
Melting/freezing point No information available
Boiling point/boiling range Not Applicable No information available
Flash Point Not Applicable No information available
Evaporation rate Not Applicable No information available
Flammability (solid, gas) No information available
Flammability Limits in Air
upper flammability limit No information available
lower flammability limit No information available
Vapor pressure Not Applicable
Vapor density No information available
Specific Gravity No information available
Water solubility Insoluble in water
Solubility in other solvents No information available
Partition coefficient No information available
Auto ignition temperature No information available
Decomposition temperature No information available
Viscosity, kinematic No information available
Viscosity, dynamic No information available
Explosive properties No information available
Oxidizing Properties No information available

9.2 Other information
Volatile organic compounds (VOC) content None

10. Stability and Reactivity

10.1 Reactivity
No data available

10.2 Chemical stability
Stable

10.3 Possibility of hazardous reactions
None under normal processing.

10.4 Conditions to Avoid
Dust formation. Take precautionary measures against static discharges.

10.5 Incompatible Materials
Contact with acids may release hydrogen sulfide, a toxic and flammable gas that may form explosive mixtures in air.
10.6 Hazardous

10.6 Decomposition Products
May emit toxic fumes under fire conditions.

11. Toxicological information

11.1 Acute toxicity
Numerical measures of toxicity: Product Information

The following values are calculated based on chapter 3.1 of the GHS document

Unknown Acute Toxicity < 1% of the mixture consists of ingredient(s) of unknown toxicity

Numerical measures of toxicity: Component Information

11.2 Information on toxicological effects
Skin corrosion/irritation
Product Information
• May cause irritation
Component Information
• No information available

Eye damage/irritation
Product Information
• May cause eye irritation.
Component Information
• No information available

Respiratory or skin sensitization
Product Information
• No information available
Component Information
• No information available

Germ Cell Mutagenicity
Product Information
• No information available
Component Information
• No information available

Carcinogenicity
Product Information
• Contains no ingredient listed as a carcinogen
Component Information

Reproductive toxicity
Product Information
• No information available
Component Information
• No information available

STOT - single exposure
No information available
STOT - repeated exposure
•No known effect

Other adverse effects
Target Organs
•No information available
Product Information
•No information available
Component Information
•No information available

Aspiration hazard
Product Information
•No information available
Component Information
•No information available

12. Ecological information

12.1 Toxicity
Ecotoxicity
< 1% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Ecotoxicity effects

12.2 Persistence and degradability
No information available.

12.3 Bioaccumulative potential
Discharge into the environment must be avoided

12.4 Mobility in soil
No information available.

12.5 Other adverse effects
No information available

13. Disposal Considerations

13.1 Waste Disposal Guidance
Dispose of in accordance with federal, state, and local regulations.

14. Transport Information

DOT Not regulated
MEX Not regulated
IMDG Not regulated
IATA Not regulated
15. Regulatory information

15.1 International Inventories
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL - Canadian Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
NZIoC - New Zealand Inventory of Chemicals

15.2 U.S. Federal Regulations
SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name
SARA 313 - Threshold Values %
Zinc sulphide - copper doped 68611-70-1
1.0

15.3 Pesticide Information
Not applicable

15.4 U.S. State Regulations
NFPA Health Hazard - HMIS Health Hazard 1

16. Other information

Flammability 0 Flammability 1
Instability 0 Physical Hazard 0
Physical and chemical hazards -
Personal protection X

Legend:

ACGIH (American Conference of Governmental Industrial Hygienists)
Ceiling (C)
DOT (Department of Transportation)
EPA (Environmental Protection Agency)
IARC (International Agency for Research on Cancer)
International Air Transport Association (IATA)
International Maritime Dangerous Goods (IMDG)
NIOSH (National Institute for Occupational Safety and Health)
NTP (National Toxicology Program)
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
PEL (Permissible Exposure Limit)
Reportable Quantity (RQ)
Skin designation (S*)
STEL (Short Term Exposure Limit)
TLV® (Threshold Limit Value)
TWA (time-weighted average)

Prepared By Black Light World
Regulatory Affairs/Product Safety

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Revision Note
No information available

Disclaimer
The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet