

MATERIAL SAFETY DATA SHEET

Product Name: Alkaline Earth Metal Aluminate Revision Date: 02/04/04

Black Light World

PO Box 26

Cub Run, Ky 42729

TEL. NO.:(270) 524-5746

FAX. NO.:(270) 721-0073

SPECIAL NOTICE

All information, recommendations and suggestions appearing herein concerning this product are based upon data obtained from the manufacturer and/or recognized technical sources. However, Black Light World makes no warranty, representation or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of his own use, handling and disposal of the product, Additional product literature may be available upon request. Since actual use by others is beyond our control, no warranty express or implied, is made by Black Light World as to the effects of such use, the results to be obtained or the safety and toxicity of the product, nor does Black Light World assume any liability arising out of use by other of the product referred to herein. The data in the MSDS relates only to specific material designated herein and does not relate to use in combination with any other material or in any process.

SECTION I -- IDENTITY INFORMATION

Product Name: : Alkaline Earth Metal Aluminate Revision Date: 02/04/04

CAS Number % ACGIN-TLV OSHA-PEL AS INERT DUST (Total) 2mg/m3 ACGIN-TLV 3mg/m3 OSHA-PEL

Company Identification: Black Light World

PO Box 26

Cub Run, Ky 42729

Product Class A1203, M203, EU203, DY203, SIO2

Trade Name Alkaline Earth Metal Aluminate

Product Code GLO POWDERS

SECTION II – INGREDIENT AND HAZARD INFORMATION

Ingredients Gas Number CAS Number % ACGIN-TLV OSHA-PEL AS INERT
DUST (Total) 2mg/m3 ACGIN-TLV 3mg/m3 OSHA-PEL

SECTION III – PHYSICAL DATA

Appearance: Light green powder with no odor. **Specific Gravity:** 3.0 – 3.6

Melting Point: Dissociates 1150 **Freezing Point:** N/AP

Vapor Pressure: N/AP **Percent Volatile:** N/AP

Vapor Density: N/AP **Evaporation Rate:** N/AP

Solubility in water: Soluable **PH(% in water):** N/AP

Weight per cubic meter: 3.0 – 3.6 **Flash Point:** N/AP

Flammability Class: N/AP **Auto-Ignition Temp:** N/AP

Extinguishing media: Water

Fire Fighting Procedure-Special:

Fire fighters should wear self contained breathing apparatus when fighting chemical fires.

Use water spray to cool nearby containers and structures exposed to fire.

Unusual Fire and Explosion Hazards:

This product will not burn. Use appropriate techniques to fight surrounding fire.

SECTION IV - REACTIVITY DATA

Stability: Stable Hazardous Polymerization: Will not occur Conditions to avoid: Contact with acids

Incompatibility: Contact with acids Hazardous Decomposition Products: Will not occur.

SECTION V – HEALTH HAZARD DATA

Respiratory Equipment: Local exhaust mechanical (General) **Protective Gloves:** Plastic or Neoprene

Eye Protection: Chemical glasses **Ventilation:** Proper breathing apparatus

Other Protective Equipment: Lab coat **Threshold Limit Value:** OSHA, PEL, total dust 3mg/m³

Primary Routes of Exposure: Inhalation, Ingestion, Skin **OSHA PEL:** 3mg/m³ **ACGIH TLV:** 3mg/m³

Effects of Overexposure: May cause irritation to eyes, skin, and mucous membranes.

Listed Carcinogen: None

SECTION VI – EMERGENCY AND FIRST AID DATA

Skin: Wash off with soap and water, wear gloves when handling.

Eyes: Flush with water for 5 minutes.

Inhalation: Remove to fresh air.

Ingestion: Drink quantities of water and induce vomiting.

SECTION VII – TOXICOLOGY INFORMATION

This products is non-toxic, for further information contact manufacturer

SECTION VIII – SPILL OR LEAK PROCEDURES

Spill Procedures: Wear appropriate protective equipment, avoid the generation of dust, vacuum or shovel. Materials must be placed in closable container for disposal.

Waste Disposal Methods: Dispose in accordance with state & local regulations, dep.

SECTION IX – REGULATORY INFORMATION

Sarah 313 Title Toxic Substance Control Act (TSCA): All ingredients in this product are

listed on the U.S EPA TSCA inventory of chemical substances.

SECTION X – HANDLING AND STORAGE INFORMATION

Store closed in cool dry area. When handling wear protective clothing and respiratory protection. Avoid scatter into air.

Other Precautions: Maintain a schedule of regular housekeeping to insure cleanliness.

SECTION XI – ADDENDUM

DEFINITIONS AND ABBREVIATIONS:

ACGIH: American Conference of Governmental Industrial Hygienists.

CASRN: Chemical Abstract Service Registry Number.

EPA: Environmental Protection Agency.

N/AP: Not Applicable.

NOISH: National Institute For Occupational Safety and Health

OSHA: Occupational Safety and Health Administration.

PEL: Permissible Exposure Limits.

SARA: Superfund Amendments and Reauthorization Act.

DISCLAIMER

The information contained herein is believed to be accurate, but is not warranted.

Nothing contained herein constitutes a specification, nor is it intended to warrant suitability for the intended use.

See next page for MSDS for paint additive.

MATERIAL SAFETY DATA SHEET

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Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER HMIS CODES

Health 2*

PRODUCT NAME: Invisible Paint Additive

Flammability Reactivity 00

MANUFACTURER'S NAME EMERGENCY TELEPHONE NO.

Distributed by (270) 524-5746

BLACK LIGHT WORLD

Cub Run, Ky 42729

DATE OF PREPARATION:

27-OCT-05

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Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS

% by WT CAS No. INGREDIENT UNITS VAPOR PRESSURE

5 107-21-1 Ethylene Glycol

ACGIH TLV 100 mg/m3 CEILI (aerosol) 0.12 mm

OSHA PEL 50 ppm CEILING

0.2 14464-46-1 Cristobalite

ACGIH TLV 0.05 mg/m3 as Resp. Dust

OSHA PEL 0.05 mg/m3 as Resp. Dust

6 471-34-1 Calcium Carbonate

ACGIH TLV 10 mg/m3 as Dust

OSHA PEL 15 mg/m3 Total Dust

OSHA PEL 5 mg/m3 Respirable Fraction

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Section 3 -- HAZARDS IDENTIFICATION

ROUTES OF EXPOSURE

INHALATION of vapor or spray mist.

EYE or SKIN contact with the product, vapor or spray mist.

EFFECTS OF OVEREXPOSURE

EYES: Irritation.

SKIN: Prolonged or repeated exposure may cause irritation.

INHALATION: Irritation of the upper respiratory system.

In a confined area vapors in high concentration may cause headache, nausea or dizziness.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

CANCER INFORMATION

For complete discussion of toxicology data refer to Section 11.

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Section 4 -- FIRST AID MEASURES

EYES: Flush eyes with large amounts of water for 15 minutes.

Get medical attention.

SKIN: Wash affected area thoroughly with soap and water.

Remove contaminated clothing and launder before re-use.

INHALATION: If affected, remove from exposure. Restore breathing.

Keep warm and quiet.

INGESTION: Do not induce vomiting.

Get medical attention immediately.

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Section 5 -- FIRE FIGHTING MEASURES

FLASH POINT LEL UEL

Not Applicable

FLAMMABILITY CLASSIFICATION N.A. N.A.

Not Applicable

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Alcohol Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat.

During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used.

Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible auto ignition or explosion when exposed to extreme heat.

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Section 6 -- ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate the area.

Remove with inert absorbent.

Section 7 -- HANDLING AND STORAGE

STORAGE CATEGORY

Not Applicable

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION

PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation.

Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.

Wash hands after using.

This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m³ (total dust), 3 mg/m³ (respirable fraction), OSHA PEL 15 mg/m³ (total dust), 5 mg/m³ (respirable fraction).

Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in US) or contact your local health authority.

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits.

Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section 2.

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

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Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT WEIGHT 8.99 lb/gal 1077 g/l
SPECIFIC GRAVITY 1.08
BOILING POINT 212 - 500 F 100 - 260 C
MELTING POINT Not Available
VOLATILE VOLUME 75 %
EVAPORATION RATE Slower than ether
VAPOR DENSITY Heavier than air
SOLUBILITY IN WATER N.A.
pH 9.0
VOLATILE ORGANIC COMPOUNDS (VOC Theoretical)
2.01 lb/gal 240 g/l Less Water and Federally Exempt Solvents
0.63 lb/gal 76 g/l Emitted VOC

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Section 10 -- STABILITY AND REACTIVITY

STABILITY -- Stable
CONDITIONS TO AVOID
None known.
INCOMPATIBILITY
None known.
HAZARDOUS DECOMPOSITION PRODUCTS
By fire: Carbon Dioxide, Carbon Monoxide
HAZARDOUS POLYMERIZATION
Will not occur

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Section 11 -- TOXICOLOGICAL INFORMATION

CHRONIC HEALTH HAZARDS
Crystalline Silica (Quartz, Cristobalite) is listed by IARC and NTP.
Long term exposure to high levels of silica dust, which can occur only when sanding or abrading the dry film, may cause lung damage (silicosis) and possibly cancer.
Ethylene Glycol is considered an animal teratogen. It has been shown to cause birth defects in rats and mice at high doses when given in drinking water or by gavage. There is no evidence to indicate it causes birth

defects in humans.

Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver and urinary systems.

TOXICOLOGY DATA

CAS No. Ingredient Name

107-21-1 Ethylene Glycol
LC50 RAT 4HR Not Available
14464-46-1 Cristobalite
LD50 RAT 4700 mg/kg
LC50 RAT 4HR Not Available
LD50 RAT Not Available
471-34-1 Calcium Carbonate
LC50 RAT 4HR Not Available
LD50 RAT Not Available
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Section 12 -- ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

No data available.
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Section 13 -- DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.
Incinerate in approved facility. Do not incinerate closed container.
Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.
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Section 14 -- TRANSPORT INFORMATION

No data available.
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Section 15 -- REGULATORY INFORMATION

SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION
CAS No. CHEMICAL/COMPOUND % by WT % Element

107-21-1 Ethylene Glycol 5

CALIFORNIA PROPOSITION 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA CERTIFICATION

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

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Section 16 -- OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.