

Extreme Blue Dye

Safety Data Sheet

Cygnnet Enterprises, Inc.
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SECTION 1: IDENTIFICATION

Product identifiers: Liquid
Product trade name: HIDACID* AZURE BLUE 50 PCT LIQUID
Other means of identification: Not Available

Safety Data Sheet
OSHA Hazard Communication Standard
29 CFR 1910.1200. Prepared to GHS Rev 3.

Recommended use of the chemical and restrictions on use:

Uses: Dye solution
Restrictions on use: None identified

Revision date: Initial version
Date of issue: 08.28.2015

Details of the supplier:
Manufacturer/Supplier: Cygnnet Enterprises, Inc.
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United States
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SECTION 2. HAZARD(S) IDENTIFICATION

Classification of the substance or mixture:

Not classified as hazardous under any GHS hazard class.

Label elements:

Hazard pictogram(s): Not Applicable
Signal word: Not Applicable
Hazard statements: Not Applicable
Precautionary statements: Not Applicable
Notes: No Additional Information

Other hazards: Dermal contact may discolor the skin due to dye characteristics.
See Section 11 for toxicological information.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

No Hazardous Components found under applicable regulations.

Amounts specified are typical and do not represent a specification. Remaining components are proprietary, non-hazardous, and/or present at amounts below reportable limits.

SECTION 4: FIRST-AID MEASURES

General Advice - If irritation or other symptoms occur or persist from any route of exposure, remove the affected individual from the area: see a physician/get medical attention.

Eye contact: Any material that contacts the eye should be washed out immediately with water. Get medical attention if symptoms occur.

Skin contact: Wash the affected area thoroughly with plenty of soap and water. Get medical attention if symptoms occur.

Inhalation: If affected, remove to fresh air. Get medical attention if symptoms occur.

Ingestion: Get medical attention if symptoms occur.

Protection of first aid responders: Wear proper personal protective clothing and equipment.

Most important symptoms and effects, both acute and delayed: Irritation, Skin discoloration due to dye. Pre-existing skin problems may be aggravated by prolonged or repeated contact. See section 11 for additional information.

Indication of any immediate medical attention and special treatment needed, if necessary: Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

- **Extinguishing media**

Use water spray, ABC dry chemical, foam or carbon dioxide. Water or foam may cause frothing. Use water to keep fire-exposed containers cool. Water spray may be used to flush spills away from exposures.

- **Special Protective equipment for fire-fighters**

Unusual fire/explosion hazards: Product is not considered a fire hazard, but will burn if ignited. Closed container may rupture (due to build up in pressure) when exposed to extreme heat.

Hazardous combustion products: Irritating or toxic substances may be emitted upon burning, combustion or decomposition. See section 10 (10.6 Hazardous decomposition products) for additional information.

Special protective equipment and precautions for fire-fighters: Wear self-contained breathing apparatus (SCBA) equipped with a full facepiece and operated in a pressure-demand mode (or other positive pressure mode) and approved protective clothing. Personnel without suitable respiratory protection must leave the area to prevent significant exposure to hazardous gases from combustion, burning or decomposition. In an enclosed or poorly ventilated area, wear SCBA during cleanup immediately after a fire as well as during the attack phase of firefighting operations.

See section 9 for additional information.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- **Personal precautions**

Use protective equipment and emergency procedures. Avoid breathing vapors. Ensure adequate ventilation

- **Environmental Precautions**

Prevent leakage of product into water-courses or drainage system by diking with sand or other absorbent materials. Contact authorities, and waste-water treatment plant as appropriate if significant contamination occurs.

- **Methods and material for containment and cleaning up**

Stop the source of leak or release. Clean up spill as soon as possible. Small spills can be swept-up or vacuumed. Place spilled material in suitable container for disposal in accordance with local and national regulations. Wash contaminated surfaces with water, and collect washings for safe disposal. Follow prescribed procedures for responding to large spills and reporting to appropriate authorities.

SECTION 7: HANDLING AND STORAGE

- **Precautions for safe handling**

Avoid excessive contact with eyes, skin, and inhalation of dust. Wear protective clothing as in Section 8. Good general ventilation is recommended.

- **Conditions for safe storage, including incompatibilities**

Keep only in the original container. Store in a cool and dry location. Keep away from direct sunlight. Keep container closed when not in use.

- **Specific end uses**

Industrial use

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:

Occupational exposure limits (OEL): No applicable exposure limits.

Exposure controls:

Appropriate engineering controls: Always provide effective general and, when necessary, local exhaust ventilation to draw spray, aerosol, fume, mist and vapor away from workers to prevent routine inhalation. Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS.

Individual protection measures, such as personal protective equipment:

Eye/face protection: Wear eye protection.

Skin and body protection: Wear protective gloves. Use good laboratory/workplace procedures including personal protective clothing: labcoat, safety glasses and protective gloves.

Respiratory protection: Respiratory protection is not needed with proper ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

Further information: Eyewash fountains and safety showers are recommended in the work area.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	Viscous liquid	pH:	3.5-4.5
Appearance:	Blue	Relative density:	1.16
Odour:	None	Partition coefficient (noctanol/water):	Not Available
Odour threshold:	Not Available	% Volatile by weight:	>50%
Solubility in water:	Soluble	VOC:	Not Applicable
Evaporation rate:	Similar to water	Boiling point °C:	100°C
Vapour pressure:	Not Available	Boiling point °F:	212°F
Vapour density:	Similar to water	Flash point:	>93 °C (>200 °F)
Viscosity:	Not Available	Autoignition temperature:	Not Available
Melting point/Freezing point:	Not Available	Flammability (solid, gas):	Not Applicable (liquid)
Oxidising properties:	Not oxidizing	Flammability or explosive limits:	LFL/LEL Not Available UFL/UEL Not Available
Explosive properties:	Not explosive		
Decomposition temperature:	Not Available		

Other information: Amounts specified are typical and do not represent a specification.

SECTION 10: STABILITY AND REACTIVITY

Reactivity: None known.

Chemical stability: This product is stable.

Possibility of hazardous reactions: Hazardous polymerization will not occur.

Conditions to avoid: Excessive heat and ignition sources. Do not freeze.

Incompatible materials: Avoid oxidizing agents and reducing agents.

Hazardous decomposition products: After water is evaporated, decomposition or combustion of the dry solids may generate irritating vapors, CO, CO₂, oxides of nitrogen, and oxides of sulfur.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity	Not classified (based on available data, the classification criteria are not met). ATEmix (oral): >5000mg/kg. ATEmix (dermal): >5000 mg/kg.
Skin corrosion/irritation	No data available
Serious Eye damage/eye irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No component listed as a carcinogen on OSHA, IARC, NTP, ACGIH
Reproductive toxicity	No data available
Specific target organ toxicity-single exposure	No data available
Aspiration hazard	No data available
Specific target organ toxicity-repeated exposure	No data available
Potential health effects	
Inhalation	High airborne concentrations of vapors resulting from heating, misting or spraying may cause irritation of the respiratory tract and mucous membranes.
Ingestion	May be harmful if swallowed.
Skin	No data available.
Eyes	Cause eye irritation.
Signs and Symptoms of Exposure	
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.	

SECTION 12: ECOLOGICAL INFORMATION

- Ecotoxicity:** Freshwater Fish Toxicity: The acute LC50 is >100 mg/L based on component data.
Persistence and degradability: Biodegradation: Expected to biodegrade.
Bioaccumulative potential: Not expected to bioaccumulate.
Mobility in soil: No specific information available.
Other adverse effects: No additional information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of unused contents (incineration) in accordance with national and local regulations. Dispose of container in accordance with national and local regulations. Ensure the use of properly authorized waste management companies, where appropriate.

See Section 8 for recommendations on the use of personal protective equipment.

SECTION 14: TRANSPORT INFORMATION

The information below is provided to assist in documentation. It may supplement the information on the package. The package in your possession may carry a different version of the label depending on the date of manufacture. Depending on inner packaging quantities and packaging instructions, it may be subject to specific regulatory exceptions.

UN number: N/A

UN proper shipping name:

Not regulated - See Bill of Lading for Details

Transport hazard class(es):

U.S. DOT hazard class: N/A

Canada TDG hazard class: N/A

Europe ADR/RID hazard class: N/A

IMDG Code (ocean) hazard class: N/A

ICAO/IATA (air) hazard class: N/A

Packing group: N/A

Environmental hazards:

Marine pollutant: Not Applicable

Hazardous substance (USA): Not Applicable

Special precautions for user: Not Applicable

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code: Not Applicable

SECTION 15: REGULATORY INFORMATION

Safety, health and environment regulations/legislation specific for the product:

Japan regulations:

Japan Industrial Safety and Health Law: No subject chemicals.

Japan Fire Service law: No subject chemicals.

Japan Poisonous and Deleterious Substances: No subject chemicals.

Japan Prevention of Marine Pollution and Disaster: No subject chemicals.

Korean regulations:

Korea Industrial Safety and Health Act: No subject chemicals.

Korea Toxic Chemicals Classification Act: No subject chemicals.

Korea Safety Control of Dangerous Substances Act: No subject chemicals.

Korea Waste Management Act: Waste disposal methods must comply with local and national laws.

Other regulations: No Additional Information

Chemical inventories:

Regulation Status

Australian Inventory of Chemical Substances (AICS): Y

Canadian Domestic Substances List (DSL): Y

Canadian Non-Domestic Substances List (NDSL): N

China Inventory of Existing Chemical Substances (IECSC): Y

European Inventory of Existing Chemical Substances (EINECS): Y

European List of Notified Chemical Substances (ELINCS): N

Japan Existing and New Chemical Substances (ENCS): Y

Korean Existing and Evaluated Chemical Substances (KECL): Y

New Zealand Inventory of Chemicals (NZIoC): Y

Philippines Inventory of Chemicals and Chemical Substances (PICCS): Y

Taiwan Inventory of Existing Chemicals: Y

U.S. Toxic Substances Control Act (TSCA): Y

A "Y" listing indicates all intentionally added components are either listed or are otherwise compliant with the regulation. A "N" listing indicates that for one or more components: 1) there is no listing on the public inventory; 2) no information is available; or 3) the component has not been reviewed. A "Y" for New Zealand may mean that a qualified group standard may exist for the components in this product.

SECTION 16: OTHER INFORMATION

N/A

The above information is given in good faith, and is based upon research of others, and is believed to be accurate by Cygnnet Enterprises, Inc. No known relevant information has been omitted. The above information is designed to enable the User to use the product safely, and is provided solely for the User's assistance in complying with the Occupational Safety and Health Act of 1970, and the regulations there under. Any other use is prohibited. Cygnnet Enterprises, Inc. assumes no responsibility or liability for any loss, injury, or damage, which may occur from the use or misuse of their products. Also, because actual use by others is beyond our control, no guarantee or warranty, is either expressed or implied, by Cygnnet Enterprises, Inc., as to the product or its use or misuse. Where the Customer has concerns, it is recommended that the Customer(s) perform their own tests.