

**SPECTRUM INK - Cyan**

This SDS adheres to the standards and regulatory requirements of the United States and may not meet the regulatory requirements in other countries.

**Section 1. Identification**

**Product name** : SPECTRUM INK - Cyan  
**Product Use** : Cyan printing ink

**Relevant identified uses of the substance or mixture and uses advised against**

**Identified uses** : Printing inks, coatings, toners, and related materials

**Uses advised** : Not available

**against Manufacturer** : AnaJet Inc  
1100 Valencia Ave  
Tustin, CA 92780 USA  
877-626-2538

**Supplier's details** : AnaJet Inc  
1100 Valencia Ave  
Tustin, CA 92780 USA  
877-626-2538

**24 Hour Emergency phone** : 800.535.5053 INFOTRAC 24 Hour Spill and  
**SDS Email** : Emergency (+1 352 323 3500 outside of North America)  
**information** : info@anajet.com

**Section 2. Hazards identification**

**Classification of the substance or mixture** : ACUTE TOXICITY (oral) - Category 4

**GHS label elements**

**Hazard pictograms** :



**Signal word** : Warning  
**Hazard statements** : Harmful if swallowed.

**Precautionary statements**

**General** : Read label before use.

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|   |   |   |
|---|---|---|
| <b>Prevention</b>                       | : | Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.                         |
| <b>Response</b>                         | : | IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth.                                  |
| <b>Storage</b>                          | : | Not applicable.   |
| <b>Disposal</b>                         | : | Dispose of contents and container in accordance with all local, regional, national and international regulations. |
| <b>Supplemental label elements</b>      | : | None known.   |
| <b>Hazards not otherwise classified</b> | : | None known.   |

### Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture

| Ingredient name       | %       | CAS number |
|-----------------------|---------|------------|
| Ethanol, 2,2'-oxybis- | 25 - 35 | 111-46-6   |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**Occupational exposure limits, if available, are listed in Section 8.**

### Section 4. First aid measures

#### Description of necessary first aid measures

|                     |   |  |
|---------------------|---|--|
| <b>Eye Contact</b>  | : | Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.   |
| <b>Inhalation</b>   | : | Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |
| <b>Skin contact</b> | : | Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.  |

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**Ingestion** : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Most important symptoms/effects, acute and delayed****Potential acute health effects**

**Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : Harmful if swallowed.

**Over-exposure signs/symptoms**

**Eye contact** : No specific data  
**Inhalation** : No specific data  
**Skin contact** : No specific data  
**Ingestion** : No specific data

**Indication of immediate medical attention and special treatment needed, if necessary**

**Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. No specific treatment.  
**Specific Treatments** :  
**Protection to first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

**Section 5. Fire-fighting measures****Extinguishing media**

**Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire. None known.  
**Unsuitable extinguishing media** :  
**Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.

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- |   |   |   |
|---|---|---|
| <b>Hazardous thermal decomposition products</b>       | : | Decomposition products may include the following materials: carbon dioxide<br>carbon monoxide   |
| <b>Special protective actions for fire-fighters</b>   | : | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| <b>Special protective equipment for fire-fighters</b> | : | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.                         |

### Section 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

- |                                    |   |  |
|------------------------------------|---|--|
| <b>For non-emergency personnel</b> | : | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. |
| <b>For emergency responders</b>    | : | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".  |
| <b>Environmental precautions</b>   | : | Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).  |

#### Methods and materials for containment and cleaning up

- |                    |   |   |
|--------------------|---|---|
| <b>Small spill</b> | : | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.   |
| <b>Large spill</b> | : | Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal. |

### Section 7. Handling and storage

#### Precautions for safe handling

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- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

### Section 8. Exposure controls/personal protection

#### Control parameters

#### Occupational exposure limits

| Ingredient name       | Exposure limits   |
|-----------------------|---|
| Ethanol, 2,2'-oxybis- | <b>AIHA WEEL (1999-01-01)</b><br>Time Weighted Average (TWA) 10 mg/<br>m3 <b>NIOSH REL (2005-09-30)</b> |

- Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

#### Individual protection measures

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- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Section 9. Physical and chemical properties**
**Appearance**

- Physical state** : liquid
- Color** : Blue.
- Odor** : Not available.
- Odor threshold pH** : Not available.
- Melting point** : Not available.
- Boiling point** : Not available.
- Flash point** : > 93 °C (199.40 °F) Not Measured. Flashpoint is estimated to be >93°C (>200°F).
- Evaporation rate** : Not Available
- Flammability (solid, gas)** : Not Available

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|  |   |  |
|--|---|--|
| Lower and upper explosive (flammable) limits | : | <b>Lower:</b> Not available  |
|  | : | <b>Upper:</b> Not available  |
| Vapor pressure                               | : | Not available  |
| Vapor density                                | : | Not available  |
| Density                                      | : | 1.094 g/cm <sup>3</sup>  |
| Relative density                             | : | 1.09   |
| Solubility                                   | : | Not available.   |
| Partition coefficient: n-octanol/water       | : | Not available.   |
| Auto-ignition temperature                    | : | Not available.   |
| Decomposition temperature                    | : | Not available.   |
| Viscosity                                    | : | <b>Dynamic:</b> Not available.<br><b>Kinematic:</b> Not available. |
| Volatile.                                    | : | 70.8 %(m) Weight %<br>74.43 %(V) Volume %                          |
| VOC %  | : | 31.28 %(m) Weight %<br>31.16 %(V) Volume %                         |
| Coating VOC                                  | : | 5.03 lb/gal<br>603 g/l   |

### Section 10. Stability and reactivity

|                                    |   |  |
|------------------------------------|---|--|
| Reactivity                         | : | No specific test data related to reactivity available for this product or its ingredients.           |
| Chemical stability                 | : | The product is stable.   |
| Possibility of hazardous reactions | : | Under normal conditions of storage and use, hazardous reactions will not occur.                      |
| Conditions to avoid                | : | No specific data.  |
| Incompatible materials             | : | No specific data.  |
| Hazardous decomposition products   | : | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

### Section 11. Toxicological information

#### Information on toxicological effects

#### Acute toxicity

| Product/ingredient name | Result      | Species | Dose         | Exposure |
|-------------------------|-------------|---------|--------------|----------|
| Ethanol, 2,2'-oxybis-   |             |         |              |          |
|                         | LD50 Oral   | Rat     | 12,000 mg/kg | -        |
|                         | LD50 Oral   | Rat     | 12,565 mg/kg | -        |
|                         | LD50 Dermal | Rabbit  | 11,890 mg/kg | -        |

**Conclusion/Summary** : Not available.

#### Irritation/Corrosion

**SPECTRUM INK - Cyan****Conclusion/Summary**

**Skin** : Not available.  
**Eyes** : Not available.  
**Respiratory** : Not available.

**Sensitization****Conclusion/Summary**

**Skin** : Not available.  
**Respiratory** : Not available.

**Mutagenicity**

**Conclusion/Summary** : Not available.

**Carcinogenicity**

**Conclusion/Summary** : Not available.

**Reproductive Toxicity**

**Conclusion/Summary** : Not available.

**Teratogenicity**

**Conclusion/Summary** : Not available.

**Specific target organ toxicity (single exposure)**

Not available.

**Specific target organ toxicity (repeated exposure)****Aspiration hazard**

Not available.

**Information on the likely routes of exposure** : Not available.

**Potential acute health effects**

**Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : Harmful if swallowed.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Eye contact** : No specific data  
**Inhalation** : No specific data  
**Skin contact** : No specific data  
**Ingestion** : No specific data

**Delayed and immediate effects and also chronic effects from short and long term exposure**



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### Short term exposure

Potential immediate effects : Not available.  
 Potential delayed effects : Not available.

### Long term exposure

Potential immediate effects : Not available.  
 Potential delayed effects : Not available.

### Potential chronic health effects

Conclusion/Summary : Not available.

General : No known significant effects or critical hazards.  
 Carcinogenicity : No known significant effects or critical hazards.  
 Mutagenicity : No known significant effects or critical hazards.  
 Teratogenicity : No known significant effects or critical hazards.  
 Developmental effects : No known significant effects or critical hazards.  
 Fertility effects : No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity

estimates Not

available.

## Section 12. Ecological information

### Toxicity

| Product/ingredient name | Result                                    | Species                     | Exposure |
|-------------------------|---|-----------------------------|----------|
| Ethanol, 2,2'-oxybis-   |   |                             |          |
|                         | Acute LC50 75,200,000 µg/l<br>Fresh water | Fish - Fathead minnow       | 96 h     |
|                         | Acute LC50 32,000 mg/l<br>Fresh water     | Fish - Western mosquitofish | 96 h     |

Conclusion/Summary : Not available.

### Persistence and

degradability Conclusion/ : Not available.

### Summary

#### Bioaccumulative potential

| Product/ingredient name | LogPow | BCF    | Potential |
|-------------------------|--------|--------|-----------|
| Ethanol, 2,2'-oxybis-   |        | 100.00 | low       |

### Mobility in soil

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**Soil/water partition coefficient (KOC)** : Not available.

**Other adverse effects** : No known significant effects or critical hazards.

### Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

### Section 14. Transport information

| Regulatory information | Proper shipping name | UN - Number | Hazard classification | Packing group | Additional information |
|------------------------|----------------------|-------------|-----------------------|---------------|------------------------|
| IATA                   | Not classified.      |             |                       | -             |                        |
| IMDG                   | Not classified.      |             |                       | -             |                        |
| DOT Classification     | Not classified.      |             |                       | -             |                        |
| Mexico Classification  | Not classified.      |             |                       | -             |                        |
| TDG Class              | Not classified.      |             |                       | -             |                        |

### Section 15. Regulatory information

**U.S. Federal regulations** : **United States inventory (TSCA 8b):**  
All components are listed or exempted.

**Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)** : Not listed

**SARA 302/304**  
Not applicable.

**SARA 304 RQ** : Not applicable.

**SARA 311/312 Classification** : Immediate (acute) health hazard

## SPECTRUM INK - Cyan

### Composition/information on ingredients

| Name                  | %       | Classification                    |
|-----------------------|---------|-----------------------------------|
| Ethanol, 2,2'-oxybis- | 25 - 35 | 312 DELAY HLTH312<br>IMMED HLTHAH |

### California Prop. 65

Not available.

### International

#### regulations

#### International lists

**Australia inventory (AICS):** Not determined.  
**Canada inventory (DSL/NDSL):** Not determined.  
**Europe inventory:** Not determined.  
**Japan inventory:** Not determined.  
**China inventory (IECSC):** Not determined.  
**Korea inventory:** Not determined.  
**New Zealand Inventory of Chemicals (NZIoC):** Not determined.  
**Philippines inventory (PICCS):** Not determined.  
**Canada inventory (DSL/NDSL):** Not determined.

### Section 16. Other information

#### History

**Date of printing** : 08/05/2016  
**Date of issue/Date of revision** : 05/16/2016  
**Date of previous issue** : 05/27/2015  
**Version** : 1.10  
**Prepared by** : info@anajet.com  
**References** : Not available.

#### Notice to reader

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