Safety Data Sheet

Version 0.1
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Non-Hazardous, NON-Dangerous Goods

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name : **Singularity Dye Solution - Red**

1.2 Other means of identification

No data available

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

Identified uses : Heat transfer fluids, Computer cooling fluids use only.

1.4 Details of the supplier of the safety data sheet

Supplier : Singularity Computers
ABN : 32608092851
Street Address : 50 170-182 Mayers St
Manunda 4870 Cairns Queensland Australia

Email : support@singularitycomputers.com

1.5 Emergency telephone

Emergency Phone # : +61 (02) 6125 9600

SECTION 2: Hazards identification

2.1 GHS Classification

Not a hazardous substance or mixture.

2.2 GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

2.3 Other hazards - none

SECTION 3: Composition/information on ingredients

Substance / Mixture : 5%, vv. dyes in aqueous solution

3.1 Substances

Chemical Family : mono azo dyestuff
Formula : $C_{18}H_{13}N_3Na_2O_8S_2$
Molecular weight : 509.4 g/mol

CHEMICAL ENTITY	CAS NO	PROPORTION
Acid Red 1	3734-67-6	5%
Ingredients determined to be Non-Hazardous		balance to 100 %

No components need to be disclosed according to the applicable regulations.

SECTION 4: First aid measures

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

4.1 Description of first-aid measures

Inhalation: Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Skin Contact: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.

Eye contact: If in eyes wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

Ingestion: Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Hazchem Code

Not applicable.

5.2 Extinguishing media

If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).

5.3 Special hazards arising from the substance or mixture

Non-combustible material.

5.4 Advice for firefighters

No data available

5.5 Further information

No data available

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. Clear area of all unprotected personnel.

Slippery when spilt. Avoid accidents, clean up immediately. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways.

6.2 Environmental precautions

No data available

6.3 Methods and materials for containment and cleaning up

Use absorbent (rags, soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. Prevent spill from entering waterways. Notify appropriate governmental authorities of any release to the environment.

6.4 Reference to other sections

Dangerous Goods - Initial Emergency Response Guide No: Not applicable

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of vapour, mist or aerosols.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition.

Keep container standing upright. Keep containers closed when not in use – check regularly for leaks.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.3 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

No data available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form:	Liquid
Colour:	Dark Red
Odour:	Odourless
Solubility:	Miscible with water
Specific Gravity:	Approx. 1.0
Relative Vapour Density (air=1):	>1
Vapour Pressure (20 °C):	N Av
Flash Point (°C):	N App

Flammability Limits (%):	N App
Autoignition Temperature (°C):	N App
Melting Point/Range (°C):	N App
Boiling Point/Range (°C):	Approx. 101
pH:	Approx. 7
Total VOC (g/Litre):	N App

(Typical values only -consult specification sheet)
N Av = Not available, N App = Not applicable

9.2 Other safety information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity
May react with oxidising agents or organic peroxides

10.2 Chemical stability
This material is thermally stable when stored and used as directed.

10.3 Possibility of hazardous reactions
Will not occur

10.4 Conditions to avoid

Elevated temperatures and sources of ignition.

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products
Oxides of carbon, nitrogen, sodium or sulphur

SECTION 11: Toxicological information

11.1 Information on toxicological effects
No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute Effects

Inhalation: Material may be an irritant to mucous membranes and respiratory tract.

Skin contact: Contact with skin may result in irritation.

Ingestion: Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

Eye contact: May be an eye irritant.

Acute toxicity

Inhalation: This material has been classified as not hazardous for acute inhalation exposure. Acute toxicity estimate (based on ingredients): LC50 > 20.0 mg/L for vapours or LC50 > 5.0 mg/L for dust and mist.

Skin contact: This material has been classified as not hazardous for acute dermal exposure. Acute toxicity estimate (based on ingredients): LD50 > 2,000 mg/Kg bw

Ingestion: This material has been classified as not hazardous for acute ingestion exposure. Acute toxicity estimate (based on ingredients): LD50 > 2,000 mg/Kg bw

Corrosion/Irritancy: Eye: this material has been classified as not corrosive or irritating to eyes. Skin: this material has been classified as not corrosive or irritating to skin.

Sensitisation: Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has been classified as not a skin sensitiser.

Aspiration hazard: This material has been classified as not an aspiration hazard.

Specific target organ toxicity (single exposure): This material has been classified as not a specific hazard to target organs by a single exposure.

Chronic Toxicity

Mutagenicity: This material has been classified as not a mutagen.

Carcinogenicity: This material has been classified as not a carcinogen.

Reproductive toxicity (including via lactation): This material has been classified as not a reproductive toxicant.

Specific target organ toxicity (repeat exposure): This material has been classified as not a specific hazard to target organs by repeat exposure.

11.2 Additional Information

Not available.

SECTION 12: Ecological information

Avoid contaminating waterways.

12.1 Acute aquatic hazard

This material has been classified as not hazardous for acute aquatic exposure. Acute toxicity estimate (based on ingredients): > 100 mg/L

12.2 Long-term aquatic hazard:

This material has been classified as not hazardous for chronic aquatic exposure. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in

the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): >100 mg/L, where the substance is not rapidly degradable and/or BCF < 500 and/or log Kow < 4.

12.3 Ecotoxicity

No information available.

12.4 Persistence and degradability

No information available.

12.5 Bioaccumulative potential

No information available.

12.6 Mobility

No information available.

SECTION 13: Disposal considerations

13.1 Product

Where possible, recycle unused product to process.

Dispose of unused product to authorised hazardous waste facility in accordance with local regulations.

13.2 Packaging

Empty containers must be disposed of in accordance with local regulations.

13.3 Recommended cleaning agent

Water

13.4 Additional Information

All recovered materials should be packaged, labeled, transported and disposed of or reclaimed in conformance with applicable local laws and regulations.

SECTION 14: Transport information

14.1 UN number

ADR/RID: - IMDG: - IATA-DGR: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods
IMDG: Not dangerous goods
IATA-DGR: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA-DGR: -

14.4 Packaging group

ADR/RID: - IMDG: - IATA-DGR: -

14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA-DGR: no

14.6 Special precautions for user

14.7 Incompatible materials

Strong oxidizing agents

Further information

Not classified as dangerous in the meaning of transport regulations.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for thesubstance or mixture

Notification status

AICS:	On the inventory, or in compliance with the inventory
DSL:	All components of this product are on the Canadian DSL
ENCS:	On the inventory, or in compliance with the inventory
ISHL:	On the inventory, or in compliance with the inventory
KECI:	On the inventory, or in compliance with the inventory
PICCS:	On the inventory, or in compliance with the inventory
TSCA:	On the inventory, or in compliance with the inventory

SECTION 16: Other information

This Safety Data Sheet has been prepared by Flex-G Pty Ltd on behalf of its client. Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.