



## SAFETY DATA SHEET

C-3001 Artificial Red Food Color

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION		
<b>Product Name</b>	:	Artificial Red Food Color
<b>Product Number</b>	:	C-3001
<b>Recommended Use</b>	:	Food Ingredient
<b>Company</b>	:	Jogue Inc. 100 Rural Hill Road Northville, MI 48167
<b>Manufacture Telephone</b>	:	248-349-1501
<b>Chemtrec Telephone</b>	:	(800) 424-9300
<b>Information Department</b>	:	Product Development/Quality Assurance <a href="mailto:Mima@Jogue.com">Mima@Jogue.com</a>

SECTION 2. HAZARD IDENTIFICATION		
<b>GHS Classification</b>	:	Eye Irritation (category 2a) Specific Organ Toxicity (category 3) Central Nervous System
<b>GHS Label Element</b>	:	Pictograms on labels shall be in the shape of a square set at a point and shall include a black hazard symbol on a white background with a red frame sufficiently wide to be clearly visible. This substance is classified and labeled according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200
<b>Signal Word</b>	:	N/A
<b>Symbol</b>	:	N/A
<b>Precautionary</b>	:	<b>P305+351+338</b> : If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. <b>P337+P338</b> : If eye irritation persists: Get medical advice/attention.
<b>Other Hazards</b>	:	Does not contain any PBT or vPvB substances.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS		
<b>Substance</b>	:	Proprietary Formula
<b>Common Name</b>	:	None Known
<b>CAS Number</b>	:	Not Applicable
<b>Hazardous Ingredient Name</b>	<b>Percent</b>	<b>CAS Number</b>
No hazards identified	%	N/A
N/A	%	N/A
<b>EC Number</b>	:	Not Applicable



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SECTION 4. FIRST AID MEASURES		
<b>In Case of Eye Contact</b>	:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>In Case of Skin Contact</b>	:	No specific measures identified.
<b>If Swallowed</b>	:	No specific measures identified. Seek medical attention if symptoms occur.
<b>If Inhaled</b>	:	Seek medical attention if symptoms occur.
<b>Notes to Physician</b>	:	No specific measures identified.

SECTION 5. FIRE-FIGHTING MEASURES		
<b>Suitable Extinguishing Media</b>	:	CO <sub>2</sub> , Powder or Alcohol resistant foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Special Hazards arising from the substance or mixture</b>	:	No further relevant information available
<b>Special Protective Equipment for Fire-Fighters</b>	:	Use personal protective equipment. No Specific measures required.
<b>Specific Extinguishing Methods</b>	:	Use water spray to cool unopened containers. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURE		
<b>Personal precautions, protective equipment and emergency procedures</b>	:	Not required. Refer to protective measures listed in section 7 and 8.
<b>Environmental Precautions</b>	:	No specific measures required.
<b>Methods and materials for containment and cleaning up</b>	:	Pick up mechanically
<b>See section 13</b>	:	For disposal information

SECTION 7. HANDLING AND STORAGE		
<b>Precautions for safe handling</b>	:	No specific precautions are necessary if used correctly.
<b>Conditions for safe storage</b>	:	Store in tightly closed container away from excess heat and light. Store in suitably labeled containers.
<b>Storage Temperature</b>	:	At ambient temperature.
<b>Specific end use(s)</b>	:	No further relevant information available.



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SECTION 8. EXPOSURE CONTROL/PERSONAL PROTECTION				
<b>Additional information about design of technical systems</b>		:	No further data. See section 7.	
<b>Control Parameters</b>		:	Not Applicable	
<b>Components with limit values that require monitoring at the workplace: Not Applicable</b>				
Ingredient	CAS-No.	Form of Exposure	Permissible Concentration	Basis
N/A	N/A	N/A	N/A	N/A
<b>Engineering Measures</b>		:	Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.	
<b>Personal Protective Equipment</b>		:	The lists that were valid during the creation were used as a basis	
<b>Eye protection</b>		:	No special protective equipment required.	
<b>Hand protection</b>		:	No special protective equipment required.	
<b>Respirator protection</b>		:	No special protective equipment required.	
<b>Hygiene measures</b>		:	Handle in accordance with good manufacturing hygiene and safety practice.	

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES		
<b>Appearance</b>	:	A deep red liquid
<b>Form</b>	:	Liquid
<b>Odor</b>	:	No apparent odor
<b>Odor Threshold</b>	:	No data available
<b>pH</b>	:	No data available
<b>Melting Point</b>	:	No data available
<b>Freezing Point</b>	:	No data available
<b>Boiling Point</b>	:	Above 220°F
<b>Flashpoint</b>	:	Above 200°F (open cup)
<b>Flammability (solid, gas)</b>	:	No data available
<b>Danger of explosion</b>	:	Product does not present an explosion hazard
<b>Upper explosion limit</b>	:	No data available
<b>Lower explosion limit</b>	:	No data available
<b>Vaper pressure</b>	:	No data available
<b>Relative density</b>	:	1.009 +/- 0.01 @ 20°C
<b>Vapor density</b>	:	Not Applicable
<b>Evaporation rate</b>	:	No data available
<b>Water solubility</b>	:	Soluble
<b>Solubility in other solvents</b>	:	No data available



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Viscosity, kinematics	:	No data available
Partition coefficient: n-octanol/water	:	No data available

#### SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Stable
Chemical Stability	:	Will not polymerize
Thermal decomposition	:	No decomposition if used according to specifications
Possibility of hazardous reactions	:	No dangerous reactions known
Conditions to avoid	:	Keep away from heat, sparks, flame
Incompatible materials	:	Strong oxidizers or organic acids
Hazardous decomposition products	:	No dangerous decomposition products known

#### SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	:	Inhalation, eye contact, skin contact
<b>Potential Health Effects</b>		
Eyes	:	Health injuries are not known or expected to occur under normal use
Skin	:	Health injuries are not known or expected to occur under normal use
Ingestion	:	Health injuries are not known or expected to occur under normal use
Inhalation	:	Health injuries are not known or expected to occur under normal use
Chronic Exposure	:	Health injuries are not known or expected to occur under normal use
<b>Experience With Human Exposure</b>		
Eye contact	:	Irritating to the eyes
Skin contact	:	May be irritating with direct skin contact
Ingestion	:	No symptoms known or expected
Inhalation	:	Difficulty breathing
<b>Toxicology</b>		
Acute oral toxicology	:	No data available
Acute inhalation toxicology	:	No data available
Acute dermal toxicology	:	No data available
Skin corrosion/irritation	:	No data available
Serious eye damage/eye irritation	:	No data available
Respiratory or skin sensitization	:	No data available
Carcinogenicity	:	No data available



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<b>Reproductive effects</b>	:	No data available
<b>Germ cell mutagenicity</b>	:	No data available
<b>Teratogenicity</b>	:	No data available
<b>STOT-single exposure</b>	:	No data available
<b>STOT-repeated exposure</b>	:	No data available
<b>Aspiration toxicity</b>	:	No data available
<b>IARC (International Agency of Research on Cancer)</b>	:	Substance not listed
<b>NTP (National Toxicology Program)</b>	:	Substance not listed
<b>OSHA-Ca (Occupational Safety &amp; Health Administration)</b>	:	Substance not listed

#### SECTION 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>		
<b>Environmental effects</b>	:	No further information available
<b>Aquatic Toxicity</b>	:	No further information available
<b>Persistence and degradability</b>	:	No further information available
<b>Behavior in environmental systems</b>	:	No further information available
<b>Bioaccumulation potential</b>	:	No further information available
<b>Mobility in soil</b>	:	No further information available
<b>General Notes</b>	:	Not known to be hazardous to marine environments
<b>PBT</b>	:	Not Applicable
<b>vPvB</b>	:	Not Applicable
<b>Other adverse effects</b>	:	No further information available

#### SECTION 13. DISPOSAL CONSIDERATIONS

<b>Water treatment methods</b>	:	Smaller quantities can be disposed of with household waste
<b>Uncleaned packaging</b>	:	Disposal must be made in accordance with local regulations

#### SECTION 14. TRANSPORT INFORMATION

<b>UN-Number</b>		
<b>DOT, ADR, AND, IMGD, IATA</b>	:	Not Regulated
<b>UN Proper shipping name</b>		
<b>DOT, ADR, AND, IMGD, IATA</b>	:	Not Regulated
<b>Transport hazard class(es)</b>		



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<b>Class</b>	:	Not Regulated
<b>Packing Group</b>	:	Not Applicable
<b>Marine Pollutant</b>	:	No
<b>Special precautions</b>	:	Not Applicable
<b>IBC Code</b>	:	Not Applicable
<b>Additional Information</b>	:	Non-Dangerous Good
<b>UN "Model Regulation:</b>	:	Not Applicable

#### SECTION 15. REGULATORY INFORMATION

<b>Section 355 (Extremely Hazardous Substances)</b>	:	Substance Not Listed
<b>Section 313 (Specific Toxic Chemical Listings)</b>	:	Substance Not Listed
<b>TSCA (Toxic Substance Control Act)</b>	:	Substance Not Listed
<b>Proposition 65</b>	:	Substance Not Listed
<b>EPA</b>	:	Substance Not Listed
<b>TLV</b>	:	Substance Not Listed
<b>NIOSH-Ca</b>	:	Substance Not Listed
<b>GHS Label Elements</b>	:	The substance is classified and labeled according to GHS

#### SECTION 16. OTHER INFORMATION

**This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.**

<b>Department Issuing SDS</b>	:	<b>Quality Assurance – Public Health</b>
<b>Date of preparation/ Last revision</b>	:	<b>01/10/2019</b>
<b>Abbreviations and Acronyms</b>		
<b>ACGIH</b>	:	<b>American Conference of Governmental</b>
<b>ADA</b>	:	<b>European Agreement concerning the International Carriage of Dangerous Goods by Road</b>
<b>CAS</b>	:	<b>Chemical Abstracts Service (division of American Chemical Society)</b>
<b>DOT</b>	:	<b>US Department of Transportation</b>
<b>EINECS</b>	:	<b>European Inventory of Existing Commercial Chemical Substances</b>
<b>EPA</b>	:	<b>Environmental Protection Agency</b>
<b>GHS</b>	:	<b>Globally Harmonized System</b>
<b>HMIS</b>	:	<b>Hazardous Materials Identification System (USA)</b>
<b>IATA</b>	:	<b>International Air Transport Association</b>



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<b>IMDG</b>	:	<b>International Marine Code for Dangerous Goods</b>
<b>LC50</b>	:	<b>Lethal Concentration, 50 percent</b>
<b>NFPA</b>	:	<b>National Fire Protection Association (USA)</b>
<b>NIOSH-Ca</b>	:	<b>National Institute for Occupational Safety and Health</b>
<b>Section 313</b>	:	<b>Specific Toxic Chemical Listings</b>
<b>Section 355</b>	:	<b>Extremely Hazardous Substances</b>
<b>TLV</b>	:	<b>Threshold Limit Value established by ACGIA</b>