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Safety Data Sheet

Issue Date: 13-Aug-2015

Revision Date: 21-Apr-2022

Version 1

1. IDENTIFICATION

Product Identifier

Product Name Green Tracer Dye – GA-1A

Other means of identification

SDS # AGC-034
Product Code GA-1A
Other Information Package type: Plastic Bottles, Gallons, Drums

Recommended use of the chemical and restrictions on use

Recommended Use Green Tracer Dye

Details of the supplier of the safety data sheet

Manufacturer Address

AMERICAN GAS & CHEMICAL COMPANY, LTD
 220 Pegasus Avenue
 Northvale NJ 07647

Emergency Telephone Number

Company Phone Number Phone: 201-767-7300 Fax: 201-767-1741
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
 1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Clear Green Liquid **Physical State** Liquid **Odor** Slight, Mild

Classification

Skin sensitization	Category 1
Acute Toxicity, Oral	Category 4
Eye Damage	Category 1
Eye Irritation	Category 2A

Signal Word

Warning

Hazard Statements

May cause an allergic skin reaction.
 May be harmful if swallowed.
 May cause serious eye damage.



Precautionary Statements - Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray.
 Contaminated work clothing should not be allowed out of the workplace.
 Wear protective gloves.

Precautionary Statements - Response

IF ON SKIN: Wash with plenty of soap and water.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present. Continue rinsing.
 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a poison center or doctor.
 Wash contaminated clothing before reuse.
 If skin irritation or rash occurs: Get medical advice/attention.
 If eye irritation persists: Get medical advice/attention.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant.

Unknown Acute Toxicity

0% of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Alcohols, C11-15, secondary	68131-40-8	<25
Tetrasodium ethylenediamine tetraacetate Tetrahydrate	64-02-8	5
Sodium Benzoate	532-32-1	<16

4. FIRST-AID MEASURES

First Aid Measures

General Advice	Provide this SDS to medical personnel for treatment.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician.
Skin Contact	In case of contact, wash skin thoroughly with soap and water. Remove any contaminated clothing and wash before reuse. If skin irritation or rash occurs: Get medical advice/attention.
Inhalation	Remove to fresh air.
Ingestion	Do NOT induce vomiting. Call a physician.

Most important symptoms and effects

Symptoms	May cause temporary reddening of the skin. Causes irritation with possible moderate corneal injury. May cause nausea.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use water spray, CO₂, dry chemical, alcohol type or universal type foams applied by manufacturers recommended technique.

Unsuitable Extinguishing Media Do not direct a solid stream of water or foam into hot, burning pools; this may cause frothing and increase fire intensity.

Specific Hazards Arising from the Chemical

May cause sensitization by inhalation and skin contact.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool exposed containers with water spray. Avoid breathing vapor or fumes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Remove all ignition sources. Recover free liquid. Ventilate confined spaces. At very low concentrations (less than 10 ppm), this material can be biodegraded in a biological wastewater treatment plant; at higher concentrations, it causes severe foaming problems.
For Emergency Responders	Follow applicable OSHA regulations (29 CFR 1910.120).
Environmental Precautions	This product is highly toxic to fish. Avoid discharge to natural waters. Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment	Absorb with appropriate inert material such as sand, clay, etc.
Methods for Clean-Up	Sweep up absorbed material and shovel into suitable containers for disposal. Large spills may be picked up by using vacuum pumps, shovels, buckets, or other means and placed in drums or other suitable containers. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations. For waste disposal, see section 13 of the SDS.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling

Handle in accordance with good industrial hygiene and safety practice. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin, eyes or clothing. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep container tightly closed and store in a cool, dry and well-ventilated place.

Incompatible Materials

Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Appropriate engineering controls

Engineering Controls

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

Safety glasses.

Skin and Body Protection

Impervious rubber gloves.

Respiratory Protection

Ensure adequate ventilation, especially in confined areas.

General Hygiene Considerations Wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid		
Appearance	Clear Green Liquid	Odor	Slight, Mild
Color	Clear Green	Odor Threshold	Not determined
Property	Values	Remarks • Method	
pH	7.0		
Melting Point/Freezing Point	Not determined		
Boiling Point/Boiling Range	102°C / 217°F		
Flash Point	195°C / 383°F		(ASTM D-93 / PMCC)
Evaporation Rate	<1.0		(butyl acetate = 1)
Flammability (Solid, Gas)	Not determined		
Upper Flammability Limits	Not determined		
Lower Flammability Limit	Not determined		
Vapor Pressure	6.0 mm Hg		@68°F (20°C)
Vapor Density	>1		(Air=1)
Specific Gravity	0.99		
Water Solubility	Soluble in water		
Solubility in other solvents	Not determined		
Partition Coefficient	Not determined		
Auto-ignition	Not determined		
Temperature	Not determined		
Decomposition	Not determined		
Temperature	Not determined		
Kinematic Viscosity	Not determined		
Dynamic Viscosity	Not determined		
Explosive Properties	Not determined		
Oxidizing Properties	Not determined		
Additional Information	Percent Volatile: 60		

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.**Conditions to Avoid**

Keep out of reach of children.

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition ProductsBurning can produce CO and/or CO₂.**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information****Eye Contact** May cause temporary irritation on eye contact.**Skin Contact** May cause an allergic skin reaction.**Inhalation** May cause irritation if inhaled.**Ingestion** May cause discomfort if swallowed.**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Alcohols, C11-15, secondary 68131-40-8	= 32 mL/kg (Rat)	= 5660 µL/kg (Rabbit)	-
Tetrasodium ethylenediamine tetraacetate Tetrahydrate 64-02-8	1780-<2000 mg/kg (Rat)	>5000 mg/kg (Rabbit)	-
Sodium Benzoate 532-32-1	2100 mg/kg (Rat)	-	-

Information on physical, chemical and toxicological effects**Symptoms** Please see section 4 of this SDS for symptoms.**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Sensitization** May cause an allergic skin reaction.**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested.*ACGIH (American Conference of Governmental Industrial Hygienists)**A1 - Known Human Carcinogen**IARC (International Agency for Research on Cancer)**Group 1 - Carcinogenic to Humans**NTP (National Toxicology Program)**Known - Known Carcinogen**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**X - Present***Numerical measures of toxicity**

Not determined

Unknown Acute Toxicity 0% of the mixture consists of ingredient(s) of unknown toxicity.**12. ECOLOGICAL INFORMATION****Ecotoxicity**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sodium Benzoate 532-32-1		LC50 - Pimephales promelas (fathead minnow) - 484 mg/l - 96h		

Persistence/Degradability Not determined**Bioaccumulation** Not determined**Mobility****Other Adverse Effects** Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

California Hazardous Waste Status

14. TRANSPORT INFORMATION

Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

Not regulated

IATA

Not regulated

IMDG

Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA

Listed

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations

CERCLA

SARA 313

CWA (Clean Water Act)

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

16. OTHER INFORMATION

NFPA

Health Hazards

1

Flammability

0

Instability

1

Special Hazards

Not determined

HMIS

Health Hazards

1

Flammability

0

Physical Hazards

1

Personal Protection

B- Safety Glasses,
Gloves

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Revision Note:

3-Year Update

Disclaimer

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End of Safety Data Sheet