



american gas & chemical co. ltd.

220 PEGASUS AVE
NORTHVALE, NEW JERSEY 07647
201-767-7300, FAX 201-767-1741

Safety Data Sheet

Issue Date: 02-Feb-2004

Revision Date: 21-Apr-2022

Version 1

1. IDENTIFICATION

Product Identifier

Product Name PINPOINT COLORMETRIC DEVELOPER ADP-319

Other means of identification

SDS # AGC-003

Product Code ADP-319

UN/ID No UN1219

Other Information Package type: 1 gallon bottles.

Recommended use of the chemical and restrictions on use

Recommended Use Ammonia vapor detecting paint.

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 Opaque yellow suspension

Physical State Liquid

Odor Slight alcoholic

Classification

Serious eye damage/eye irritation	Category 2
Specific target organ toxicity (single exposure)	Category 3
Flammable Liquids	Category 2

Signal Word

Warning

Hazard Statements

Causes serious eye irritation

May cause drowsiness or dizziness

Highly flammable liquid and vapor



Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling

Avoid breathing dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

Keep away from heat/sparks/open flames/hot surfaces. — No smoking

Keep container tightly closed

Ground/bond container and receiving equipment

Use explosion-proof equipment

Use only non-sparking tools

Take precautionary measures against static discharge

Wear protective gloves/protective clothing/eye protection/face protection

Keep cool

Precautionary Statements - Response

IF IN EYES: 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
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician
 IN CASE OF FIRE: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store in a well-ventilated place. Keep container tightly closed
 Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Isopropanol	67-63-0	25

4. FIRST-AID MEASURES

First Aid Measures

General Advice	Provide this SDS to medical personnel for treatment.
Eye Contact	If splashed into the eyes, flush with clear water for 15 minutes or until irritation subsides. If irritation persists, call physician.
Skin Contact	In case of contact, wash skin thoroughly with soap and water. Remove any contaminated clothing and wash before reuse.
Inhalation	If overcome by vapor, remove from exposure and call physician immediately. If breathing is irregular or has stopped, start resuscitation; administer oxygen, if available.
Ingestion	If ingested, induce vomiting. Call a physician immediately.

Most important symptoms and effects

Symptoms	High vapor concentrations are irritating to the respiratory tract, may cause headaches and dizziness, are anesthetic and may have other central nervous system effects. Prolonged or repeated skin contact tends to remove skin oils possibly leading to irritation and dermatitis. Contact may cause eye irritation.
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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

Foam, dry chemical, CO2, water spray or fog.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Highly flammable liquid and vapor.

Sensitivity to Static Discharge Take precautionary measures against static discharge.

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.

For Emergency Responders	Follow applicable OSHA regulations (29 CFR 1910.120).
Environmental Precautions	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	Absorbent such as sand, sawdust, etc. to spill area.
Methods for Clean-Up	Use only non-sparking tools. Sweep up absorbed material and shovel into suitable containers for disposal. 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 contact with skin, eyes or clothing. Wash face, hands, and any exposed skin thoroughly after handling. Keep container tightly closed. Do not breathe dust/fume/gas/mist/vapors/spray. Use personal protective equipment as required. Use spark-proof tools and explosion-proof equipment. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Ground/bond container and receiving equipment. Take precautionary measures against static discharges. Use only with adequate ventilation.
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Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep container tightly closed and store in a cool, dry and well-ventilated place. Keep containers closed when not in use. Do not handle or store near heat, sparks, flame or strong oxidants. Store locked up.
Incompatible Materials	Strong oxidizing agents, Strong caustics.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isopropanol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m ³ (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m ³ (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m ³	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m ³ STEL: 500 ppm STEL: 1225 mg/m ³

Appropriate engineering controls

Engineering Controls	VENTILATION: Use with ventilation sufficient to prevent exceeding recommended exposure limit or buildup of explosive concentrations of vapor in air. No smoking or open lights.
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Individual protection measures, such as personal protective equipment

Eye/Face Protection	Use splash goggles or face shield when contact may occur.
Skin and Body Protection	Use chemical-resistant gloves, if needed, to avoid prolonged or repeated skin contact. Use chemical-resistant apron or other impervious clothing, if needed, to avoid contaminating regular clothing which could result in prolonged or repeated skin contact.
Respiratory Protection	Use supplied-air respiratory protection in confined or enclosed spaces.
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid		
Appearance	Opaque yellow suspension	Odor	Slight alcoholic
Color	Opaque yellow	Odor Threshold	Not determined
<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>• Method</u>
pH	2.2-2.8		
Melting Point/Freezing Point	Not determined		
Boiling Point/Boiling Range	100°C / 212°F		
Flash Point	26.66°C / 80°F		
Evaporation Rate	<1	(Water = 1)	
Flammability (Solid, Gas)	Not determined		
Upper Flammability Limits	12.0%		
Lower Flammability Limit	2.0%		
Vapor Pressure	30 mm Hg	@68°F (20vC)	
Vapor Density	>1.0	(Air=1)	
Specific Gravity	0.96		
Water Solubility	Dispersible		
Solubility in other solvents	Not determined		
Partition Coefficient	Not determined		
Auto-ignition Temperature	Not determined		
Decomposition Temperature	Not determined		
Kinematic Viscosity	Not determined		
Dynamic Viscosity	Not determined		
Explosive Properties	Not determined		
Oxidizing Properties	Not determined		

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.

Conditions to Avoid

Keep out of reach of children.

Incompatible Materials

Strong oxidizing agents, Strong caustics.

Hazardous Decomposition Products

Incomplete combustion may produce carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact	Causes serious eye irritation.
Skin Contact	May cause temporary irritation on skin contact.
Inhalation	May cause irritation if inhaled. May cause drowsiness or dizziness.
Ingestion	May cause discomfort if swallowed.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Isopropanol 67-63-0	= 4396 mg/kg (Rat)	= 12800 mg/kg (Rat) = 12870 mg/kg (Rabbit)	= 72.6 mg/L (Rat) 4 h

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**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.

Chemical Name	ACGIH	IARC	NTP	OSHA
Isopropanol 67-63-0		Group 3		X

*IARC (International Agency for Research on Cancer)**Group 3 IARC components are "not classifiable as human carcinogens"**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**X - Present***STOT - single exposure**

May cause drowsiness or dizziness.

Numerical measures of toxicity

Not determined

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 microorganism	Crustacea
Isopropanol 67-63-0	1000: 96 h Desmodesmus subspicatus mg/L EC50 1000: 72 h Desmodesmus subspicatus mg/L EC50	9640: 96 h Pimephales promelas mg/L LC50 flow-through 11130: 96 h Pimephales promelas mg/L LC50 static 1400000: 96 h Lepomis macrochirus µg/L LC50		13299: 48 h Daphnia magna mg/L EC50

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Chemical Name	Partition Coefficient
Isopropanol 67-63-0	0.05

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

Chemical Name	California Hazardous Waste Status
Isopropanol 67-63-0	Toxic Ignitable

14. TRANSPORT INFORMATION

Note

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

DOT

UN/ID No UN1219
 Proper Shipping Name Isopropyl alcohol solution
 Hazard Class 3
 Packing Group II

IATA

UN/ID No UN1219
 Proper Shipping Name Isopropyl alcohol solution
 Hazard Class 3
 Packing Group II

IMDG

UN/ID No UN1219
 Proper Shipping Name Isopropyl alcohol solution
 Hazard Class 3
 Packing Group II

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**SARA 313**

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Isopropanol	67-63-0	25	1.0

US State Regulations**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Isopropanol 67-63-0	X	X	X

16. OTHER INFORMATION

NFPA**Health Hazards**

1

Flammability

3

Instability

0

Special Hazards

Not determined

HMIS**Health Hazards**

1

Flammability

3

Physical Hazards

0

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