



american gas & chemical co. ltd.
 220 PEGASUS AVE
 NORTHVALE, NEW JERSEY 07647
 201-767-7300, FAX 201-767-1741

Safety Data Sheet

Issue Date: 01-Mar-2004

Revision Date: 21-Apr-2022

Version 1

1. IDENTIFICATION

Product Identifier

Product Name Fluorescent Penetrant Type I Method B,C,D (Aerosol)

Other means of identification

SDS # AGC-023-3

Product Code AG-3E-FS

UN/ID No UN1950

Other Information Package type: Aerosol.

Recommended use of the chemical and restrictions on use

Recommended Use Fluorescent Penetrant for Leak Detection.

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 Yellow-green liquid **Physical State** Liquid **Odor** Mild

Classification

Acute toxicity - Inhalation (Vapors)	Category 4
Gases Under Pressure	Compressed Gas

Signal Word

Danger

Hazard Statements

Harmful if inhaled
 May be harmful if swallowed
 Contains gas under pressure; may explode if heated



Precautionary Statements - Prevention

Obtain special instructions before use
 Do not handle until all safety precautions have been read and understood
 Use personal protective equipment as required
 Avoid breathing dust/fume/gas/mist/vapors/spray
 Use only outdoors or in a well-ventilated area

Precautionary Statements - Response

If exposed or concerned: Get medical advice/attention
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 Call a POISON CENTER or doctor/physician

Precautionary Statements - Storage

Store locked up
 Protect from sunlight. Store in a well-ventilated place

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other Hazards

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Di-isodecyl phthalate (DIDP)	68515-49-1	70
1,1,1,2-Tetrafluoroethane	811-97-2	15
Petroleum distillates, hydrotreated middle	64742-46-7	<10

4. FIRST-AID MEASURES

First Aid Measures

General Advice	Provide this SDS to medical personnel for treatment.
Eye Contact	If sprayed 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, do not induce vomiting. Call a physician immediately.

Most important symptoms and effects

Symptoms	Due to its low volatility, exposure to this material under ambient conditions is not expected to produce adverse human health effects following normal workplace exposure. Can cause slight skin irritation. May cause eye irritation. Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Ingestion of small quantities is usually non-fatal unless aspiration occurs. Aspiration may lead to chemical pneumonitis.
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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

Regular foam, water fog, CO₂, dry chemical.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Product is combustible & may ignite if exposed to high temperature or direct flame. Containers may burst due to pressure build-up of contents from exposure to the heat of fire.

Hazardous Combustion Products Carbon oxides.

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	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

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only with adequate ventilation. Avoid contact with skin, eyes or clothing.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Store in a tightly closed container. Store in a cool, dry area away from incompatible substances. Store locked up. AEROSOL: Store in a cool dry place at temperatures below 120°F. Do not puncture or incinerate aerosol cans.

Incompatible Materials

Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

The following information is given as general guidance

Appropriate engineering controls

Engineering Controls

None under normal use conditions.

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

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	Odor	Mild
Appearance	Yellow-green liquid	Odor Threshold	Not determined
Color	Yellow-green		
Property	<u>Note: the physical data presented below are for bulk formula specification.</u>	<u>Remarks • Method</u>	
pH	None		
Melting Point/Freezing Point	Not determined		
Boiling Point/Boiling Range	226.66°C / 480°F		
Flash Point	122.22°C / 252°F	(ASTM D-93 / PMCC)	
Evaporation Rate	< 0.01	(butyl acetate = 1)	
Flammability (Solid, Gas)	Not determined		
Upper Flammability Limits	Not determined		
Lower Flammability Limit	Not determined		
Vapor Pressure	0.01 mm Hg	@68°F (20°C)	
Vapor Density	>1	(Air=1)	
Specific Gravity	0.97-0.99		
Water Solubility	Insoluble in water		
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		
Additional Information	Percent Volatile: 95		

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 Products

Burning 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 temporary irritation on skin contact.

Inhalation

Harmful if inhaled.

Ingestion

May cause discomfort if swallowed.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Di-isodecyl phthalate (DIDP) 68515-49-1	> 60000 mg/kg (Rat)	= 16000 mg/kg (Rabbit)	-
Petroleum distillates, hydrotreated middle 64742-46-7	= 7400 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 4.6 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**

This product contains petroleum distillates which are considered to be highly refined and not considered to be carcinogenic under IARC.

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Di-isodecyl phthalate (DIDP) 68515-49-1	1.3: 96 h Pseudokirchneriella subcapitata mg/L EC50	0.66: 96 h Pimephales promelas mg/L LC50 static 1: 96 h Pimephales promelas mg/L LC50 flow-through 1: 96 h Oncorhynchus mykiss mg/L LC50 static 0.62: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.55: 96 h Lepomis macrochirus mg/L LC50 static		0.18: 48 h Daphnia magna mg/L EC50
Petroleum distillates, hydrotreated middle 64742-46-7		35: 96 h Pimephales promelas mg/L LC50 flow-through 10000: 96 h Pimephales promelas mg/L LC50 static		

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.

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 UN1950
Proper Shipping Name Aerosols
Hazard Class 2.2

IATA

UN/ID No UN1950
Proper Shipping Name Aerosols, non-flammable
Hazard Class 2.2

IMDG

UN/ID No UN1950
Proper Shipping Name Aerosols
Hazard Class 2.2
Marine Pollutant Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA Listed

Legend:

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

Not determined

CWA (Clean Water Act)

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Di-isodecyl phthalate (DIDP) 68515-49-1 (50)		X		

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
Di-isodecyl phthalate (DIDP) - 68515-49-1	Developmental

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Di-isodecyl phthalate (DIDP) 68515-49-1			X

16. OTHER INFORMATION

NFPA	Health Hazards	Flammability	Instability	Special Hazards
	1	0	1	Not determined
HMIS	Health Hazards	Flammability	Physical Hazards	Personal Protection
	1	1	1	B- Safety Glasses, Gloves

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 Revision Note: 3-Year Update

Disclaimer

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End of Safety Data Sheet