



# Safety Data Sheet

Issue Date: 01-Nov-2004

Revision Date: 06-Nov-2023

Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Pinpoint Ammonia Detecting Spray

### Other means of identification

**SDS #** AGC-017

**Product Code** ADS-100

**UN/ID No** UN1950

**Other Information** Package type: Aerosol.

### Recommended use of the chemical and restrictions on use

**Recommended Use** Ammonia Leak Detecting Spray.

### 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, light brown

**Physical State** Aerosol

**Odor** Citrus

### Classification

Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1
Specific Target Organ Toxicity (central nervous system)	Category 3
Gases Under Pressure	Compressed Gas

### Signal Word

**Danger**

### Hazard Statements

Causes severe skin burns and eye damage.  
May cause drowsiness or dizziness.  
Harmful if swallowed or inhaled  
Contains gas under pressure; may explode if heated



### Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray.  
Wash face, hands and any exposed skin thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Use only outdoors or in a well-ventilated area.  
Do not eat, drink or smoke when using this product  
Contaminated work clothing should not be allowed out of the workplace

### Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Immediately call a poison center or doctor/physician.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
Immediately call a poison center or doctor/physician.  
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.  
IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

### Precautionary Statements - Storage

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

**Precautionary Statements - Disposal**

Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

**Other Hazards**

Harmful to aquatic life with long lasting effects.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
1,2-trans-Dichloroethylene	156-60-5	<60
Proprietary Fluorinated Solvent	Trade	<30
Acetic Acid	64-19-7	<15

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### 4. FIRST-AID MEASURES

**First aid measures**

- 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.
- Skin Contact:** Wash with soap and water. If you feel unwell, get medical attention.
- Eye Contact:** Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, get medical attention.
- If Swallowed:** If ingested, do not induce vomiting. Call a physician immediately.
- Most important symptoms and effects, both acute and delayed**  
See Section 11. Information on toxicological effects.
- Indication of any immediate medical attention and special treatment required**  
Not applicable.

**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. Product has a low order of acute oral toxicity, but minute amounts aspirated into the lungs during ingestion may cause severe pulmonary injury or death. Contact may cause eye irritation.

**Indication of any immediate medical attention and special treatment needed**

- Notes to Physician** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Non-combustible. Use a fire fighting agent suitable for surrounding fire. In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

*Exposure to extreme heat can give rise to thermal decomposition.*

**Hazardous Decomposition or By-Products** Carbon Monoxide, Carbon Dioxide

**Protective equipment and precautions for firefighters**

When fire fighting conditions are severe and total thermal decomposition of the product is possible, wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

- Personal Precautions** Evacuate area. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.
- For Emergency Responders** Follow applicable OSHA regulations (29 CFR 1910.120).
- Environmental Precautions** Avoid release to the environment. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water.

**Methods and material for containment and cleaning up**

Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with an appropriate solvent selected by a qualified and authorized person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and SDS. Seal the container. Dispose of collected material as soon as possible.

**7. HANDLING AND STORAGE****Precautions for safe handling****Advice on Safe Handling**

Store work clothes separately from other clothing, food and tobacco products. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid release to the environment. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.) No smoking: Smoking while using this product can result in contamination of the tobacco and/or smoke and lead to the formation of hazardous decomposition products.

**Conditions for safe storage, including any incompatibilities****Storage Conditions**

Keep containers closed when not in use. Do not handle or store near heat, sparks, flame or strong oxidants. AEROSOL: Store in a cool dry place at temperatures below 95°F. Do not puncture or incinerate aerosol cans.

**Incompatible Materials**

Alkalis or alkaline earth metals powdered Al, Zn, Be, etc.

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

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
1,2-trans-Dichloroethylene 156-60-5	TWA: 200 ppm	-	-
Proprietary Fluorinated Solvent	TWA: 50 ppm	-	-
Acetic Acid 64-19-7	STEL: 15 ppm TWA: 10 ppm	TWA: 10 ppm TWA: 25 mg/m <sup>3</sup> (vacated) TWA: 10 ppm (vacated) TWA: 25 mg/m <sup>3</sup>	IDLH: 50 ppm TWA: 10 ppm TWA: 25 mg/m <sup>3</sup> STEL: 15 ppm STEL: 37 mg/m <sup>3</sup>

**Appropriate engineering controls****Engineering Controls**

Provide appropriate local exhaust ventilation on open containers. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapors/spray. If ventilation is not adequate, use respiratory protection equipment.

**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**

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure: Half facepiece or full facepiece air-purifying respirator suitable for organic vapors.

**General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice. Wash contaminated clothing before reuse.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

Physical State	Aerosol	Odor	Citrus
Appearance	Clear, light brown	Odor Threshold	Not determined
Color	Clear Brown	Remarks - Methods	
Property	Values		
pH	Not available		
Melting Point/Freezing Point	Not determined		
Boiling Point/Boiling Range	32°C / 89.6°F		
Flash Point	None		
Evaporation Rate	<1	(Water = 1)	
Flammability (Solid, Gas)	Not determined		
Upper Flammability Limits	15.5%		
Lower Flammability Limit	7.4%		
Vapor Pressure	517 mm Hg	@68°F (20°C)	
Vapor Density	4.0	(Air=1)	

<b>Specific Gravity</b>	1.24-1.26
<b>Water Solubility</b>	Negligible
<b>Solubility in other solvents</b>	Not determined
<b>Decomposition Temperature</b>	Not determined
<b>Dynamic Viscosity</b>	Not determined
<b>Explosive Properties</b>	Not determined
<b>Oxidizing Properties</b>	Not determined
<b>Additional Information</b>	Percent volatile: 95+

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	This material may be reactive with certain agents under certain conditions - see the remaining headings in this section.
<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Possibility of Hazardous Reactions</b>	None under normal processing.
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur.
<b>Conditions to Avoid</b>	Keep out of reach of children. Heat.
<b>Incompatible Materials</b>	Strong bases & strong oxidizing agents.

### Hazardous Decomposition Products

<b>Substance</b>	<b>Condition</b>
Hydrogen Chloride	At Elevated Temperatures - extreme conditions of heat
Hydrogen Fluoride	At Elevated Temperatures - extreme conditions of heat
Perfluoroisobutylene (PFIB)	At Elevated Temperatures - extreme conditions of heat
Toxic Vapor, Gas, Particulate	At Elevated Temperatures - extreme conditions of heat

Refer to section 5.2 for hazardous decomposition products during combustion.

If the product is exposed to extreme condition of heat from misuse or equipment failure, toxic decomposition products that include hydrogen fluoride and perfluoroisobutylene can occur.

## 11. TOXICOLOGICAL INFORMATION

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

### Information on likely routes of exposure

<b>Product Information</b>	Variability Among Individuals: Health studies have shown that many halogenated hydrocarbons pose potential human health risks which may vary from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized
<b>Eye Contact</b>	Causes severe eye damage.
<b>Skin Contact</b>	Causes severe skin burns. May be harmful in contact with skin.
<b>Inhalation</b>	Vapor may irritate respiratory tract.
<b>Ingestion</b>	Ingestion causes burns of the upper digestive and respiratory tracts.

### Target Organ Effects:

<b>Single exposure may cause:</b>	Central Nervous System (CNS) Depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness
<b>Toxicological Data:</b>	If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

### Component Information

<b>Chemical Name</b>	<b>Oral LD50</b>	<b>Dermal LD50</b>	<b>Inhalation LC50</b>	<b>Ingestion</b>
Proprietary Fluorinated Solvent	>2,000mg/kg	>2,000mg/kg	>24.8mg/L (3,000 ppm)	-
1,2-trans-Dichloroethylene 156-60-5	= 1235 mg/kg (Rat)	> 5 g/kg ( Rabbit )	= 95.6 mg/l (Rat) 4 h	7,902 mg/kg (Rat)
1,1,1,2-Tetrafluoroethane 811-97-2	-	-	= 1500 g/m <sup>3</sup> (Rat) 4 h	-
Acetic Acid 64-19-7	= 3310 mg/kg (Rat)	1060 mg/kg (Rabbit)	= 11.4 mg/L (Rat) 4 h	-

### Information on physical, chemical and toxicological effects

<b>Symptoms</b>	Please see section 4 of this SDS for symptoms.
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### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Carcinogenicity</b>	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
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<b>Numerical measures of toxicity</b>	Not determined
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## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Harmful to aquatic life with long lasting effects.

### Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
1,2-trans-Dichloroethylene 156-60-5		135: 96 h Lepomis macrochirus mg/L LC50 static	EC50 = 1142 mg/L 5 min EC50 = 1546 mg/L 30 min	
Proprietary Fluorinated Solvent	ErC50>213mg/L EbC50>213mg/L	LC50 (96 hr) (Carp) >76mg/L	EC50>94mg/L – 48hr	
Acetic Acid 64-19-7		79: 96 h Pimephales promelas mg/L LC50 static 75: 96 h Lepomis macrochirus mg/L LC50 static	EC50 = 8.8 mg/L 15 min EC50 = 8.8 mg/L 25 min EC50 = 8.8 mg/L 5 min	47: 24 h Daphnia magna mg/L EC50 65: 48 h Daphnia magna mg/L EC50 Static

### Persistence/Degradability

Not determined

### Bioaccumulation

Not determined

### Mobility

Chemical Name	Partition Coefficient
1,2-trans-Dichloroethylene 156-60-5	1.48
Acetic Acid 64-19-7	-0.31

### Other Adverse Effects

Not determined

## 13. DISPOSAL CONSIDERATIONS

### Waste Treatment Methods

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

#### **Disposal of Wastes**

Dispose of waste product in a permitted industrial waste facility. As a disposal alternative, incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. Combustion products will include halogen acid (HCl/HF/HBr). Facility must be capable of handling halogenated materials. Empty drums/barrels/containers used for transporting and handling hazardous chemicals chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

#### **Contaminated Packaging**

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

### US EPA Waste Number

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
1,2-trans-Dichloroethylene 156-60-5	U079	Included in waste streams: F024, F025, F039, K073		U079
Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
1,2-trans-Dichloroethylene 156-60-5	Category I - Volatiles		Toxic waste waste number F025 Waste description: Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution.	

### California Hazardous Waste Status

Chemical Name	California Hazardous Waste Status
Acetic Acid 64-19-7	Toxic Corrosive 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 UN1950  
 Proper Shipping Name Aerosols  
 Hazard Class 2.2

### **IATA**

UN/ID No UN1950  
 Proper Shipping Name Aerosols, non-flammable, containing substances in class 8, packing group II  
 Hazard Class 2.2  
 Subsidiary Hazard Class 8

### **IMDG**

UN/ID No UN1950  
 Proper Shipping Name Aerosols  
 Hazard Class 2.2  
 Marine Pollutant This material may meet the definition of a marine pollutant

## 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**

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
1,2-trans-Dichloroethylene 156-60-5	1000 lb 1 lb		RQ 1000 lb final RQ RQ 454 kg final RQ RQ 1 lb final RQ RQ 0.454 kg final RQ
Acetic Acid 64-19-7	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

#### **SARA 313**

#### **SARA 311/312**

Acute: Yes Chronic: No Reactive: Yes Sudden Release: No

#### **SARA 302**

Not regulated

#### **SARA 304**

Not regulated

#### **CWA (Clean Water Act)**

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
1,2-trans-Dichloroethylene 156-60-5 ( <35 )			X	
Acetic Acid 64-19-7 ( 15 )	5000 lb			X

### **US State Regulations**

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

Chemical Name	New Jersey	Massachusetts	Pennsylvania
1,2-trans-Dichloroethylene 156-60-5		X	X
Acetic Acid 64-19-7	X	X	X

**16. OTHER INFORMATION****NFPA****Health Hazards**

2

**Flammability**

0

**Instability**

0

**Special Hazards**

Not determined

**HMIS****Health Hazards**

2

**Flammability**

0

**Physical Hazards**

0

**Personal Protection**

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**Issue Date:**

01-Nov-2004

**Revision Date:**

06-Nov-2023

**Revision Note:**

Formula Revision

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**End of Safety Data Sheet**