



**american gas & chemical co. ltd.**  
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 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** Remover Solvent, Class 2, Type I & II, C

### Other means of identification

**SDS #** AGC-204-1

**Product Code** AG-2-RS

**UN/ID No** UN1219

**Other Information** Package type: 1 gallon cans, 5 gallon cans, 55 gallon drums.

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

**Recommended Use** Remover/Cleaner

### 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 Liquid

**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

**Danger**

### Hazard Statements

Causes serious eye irritation  
 Causes mild skin 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 CO<sub>2</sub>, 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	100

### 4. FIRST-AID MEASURES

**First Aid Measures**

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

**Most important symptoms and effects**

<b>Symptoms</b>	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**

<b>Notes to Physician</b>	Treat symptomatically.
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### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Foam, dry chemical, CO<sub>2</sub>, 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**

<b>Personal Precautions</b>	Remove all ignition sources. Recover free liquid. Ventilate confined spaces.
<b>For Emergency Responders</b>	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.

#### **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. Acids. Anhydrides. Halogens. Aluminum.

### **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### **Exposure Guidelines**

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

#### **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.

#### **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**

<b>Physical State</b>	Liquid	<b>Odor</b>	Slight alcoholic
<b>Appearance</b>	Clear Liquid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Clear		

<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>
<b>pH</b>	No Data Available	
<b>Melting Point/Freezing Point</b>	-89°C	
<b>Boiling Point/Boiling Range</b>	100°C / 212°F	
<b>Flash Point</b>	12°C / 54°F	
<b>Evaporation Rate</b>	< 1	(Water = 1)
<b>Flammability (Solid, Gas)</b>	Flammable Liquid	
<b>Upper Flammability Limits</b>	12.0%	
<b>Lower Flammability Limit</b>	2.0%	
<b>Vapor Pressure</b>	30 mm Hg	@68°F (20°C)
<b>Vapor Density</b>	2.1	(Air=1)
<b>Specific Gravity</b>	0.79	
<b>Water Solubility</b>	Miscible in water	
<b>Solubility in other solvents</b>	Not determined	
<b>Partition Coefficient</b>	Not determined	
<b>Auto-ignition Temperature</b>	Not determined	
<b>Decomposition Temperature</b>	Not determined	
<b>Kinematic Viscosity</b>	Not determined	
<b>Dynamic Viscosity</b>	Not determined	
<b>Explosive Properties</b>	Not determined	
<b>Oxidizing Properties</b>	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. Acids. Anhydrides. Halogens. Aluminum.

### **Hazardous Decomposition Products**

Incomplete combustion may produce carbon monoxide.

## 11. TOXICOLOGICAL INFORMATION

### **Information on likely routes of exposure**

#### **Product Information**

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

#### **Component Information**

<b>Chemical Name</b>	<b>Oral LD50</b>	<b>Dermal LD50</b>	<b>Inhalation LC50</b>
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 microorganisms	Crustacea
Isopropanol 67-63-0	1000: 96 h <i>Desmodesmus subspicatus</i> mg/L EC50 1000: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50	9640: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through 11130: 96 h <i>Pimephales promelas</i> mg/L LC50 static 1400000: 96 h <i>Lepomis macrochirus</i> µg/L LC50		13299: 48 h <i>Daphnia magna</i> 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
Hazard Class	3
Packing Group	II

**IATA**

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

**IMDG**

UN/ID No	UN1219
Proper Shipping Name	Isopropyl alcohol
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/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**

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Isopropanol	67-63-0	100	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

<b>NFPA</b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	1	3	0	Not determined
<b>HMIS</b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	1	3	0	B- Safety Glasses, Gloves

**Issue Date:** 02-Feb-2004  
**Revision Date:** 21-Apr-2022  
**Revision Note:** 3-Year Update

**Disclaimer**

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**End of Safety Data Sheet**