

Aohong-China



R-600a ISOBUTANE

Part 1. Chemical Product and Company Identification

Data concerning Distributors:

Manufacturer: Shanghai Aohong Chemical Co., Ltd.

Add.: NO.333 HUHUA (E) ROAD JIADING Shanghai, PR of China

Call for more information: +86-021-59972713

Call in case of emergency: +86-021-59972713

Identifications of the substance or the preparation:

PRODUCT NAME: R-600a

DISTRIBUTOR: Shanghai Aohong Chemical Co., Ltd.

Part 2. Composition / Information on Ingredients

<u>INGREDIENT NAME</u> <u>NUMBER</u>	<u>%VOLUME</u>	<u>TLV-ACGIH</u>	<u>CAS</u>
Liquefied Petroleum Gas	100	1000 ppm	75-28-5

*** Physical Hazard Due to Flammable Nature. Flammable When Combined With Air ***

Part 3. Hazards Identification

EFFECTS OF OVEREXPOSURE

INGESTION: Aspiration Hazard!

INHALATION: Inhalation of vapor may produce anesthetic effects and feeling of euphoria. Prolonged overexposure can cause rapid breathing, headache, dizziness, narcosis, unconsciousness, and death from asphyxiation, depending on concentration and time of exposure.

SKIN CONTACT: Contact with evaporating liquid can cause frostbite.

EYE CONTACT: Liquid can cause severe irritation, redness, tearing, blurred vision, and possible freeze burns.

Part 4. First Aid Measures

INGESTION: Do not induce vomiting. Contact a physician immediately.

INHALATION: Remove to fresh air. If breathing has stopped, restore breathing at once. Administer oxygen and get medical help.

SKIN CONTACT: For liquid contact, wash areas gradually and get medical attention if there is evidence of tissue damage. Flush area with plenty of water.

EYE CONTACT: For liquid contact, irrigate with running water for minimum of 15 minutes. Consult physician immediately if frostbite occurs.

Part 5. Fire Fighting Measures

FLAMMABLE PROPERTIES

FLASH POINT (METHOD): -117 F (Open Cup)

UPPER EXPLOSIVE LIMIT (vol.) gas in air): 8.4%

LOWER EXPLOSIVE LIMIT (vol.) gas in air): 1.8%

EXTINGUISHING MEDIA:

Dry Chemical Extinguisher (B-C), Water

SPECIAL FIRE FIGHTING PROCEDURES:

Stop the release of materials if possible. Cool the vapor space of the storage container with water spray. Avoid accumulation of unburned materials. Remove personnel in general area. Observe maximum isolation when extinguishing fire. Expansion of liquid and change of state from liquid to vapor will allow combustible mixture to encompass a large area.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Vapors are heavier than air and may travel along the ground or may be moved by ventilation systems and ignited by pilot lights, other flames, sparks, heaters, smoking, electric motors, static discharge, or other ignition sources at locations distant from material handling point.

Part 6. Accidental Release Measures

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Avoid sources of ignition-Ventilate area. Use water fog to evaporate or ventilate.
Protect body against contact with liquid. If confined space – Use self-contained breathing apparatus. Consult local fire authorities.

Part 7. Handling and Storage

Comply with state and local regulations covering liquefied petroleum gases.
Comply with NFPA Pamphlet #58.
Store small containers in well-ventilated areas, away from heat or sources of ignition.
Prohibit smoking in areas of storage or use.

Part 8. Exposure Controls / Personal Protection

VENTILATION

Mechanical: Provide as needed to keep concentration in air below TLV and LEL

Local Exhaust: Continuous ventilation recommended

Special: Explosion proof fans and motors

RESPIRATORY PROTECTION: NIOSH approved self-contained breathing apparatus

PROTECTIVE GLOVES: Impervious, insulated gloves recommended

EYE PROTECTION: Face shield or goggles recommended

OTHER: Impervious clothing for prolonged or repeated contact

Part 9. Physical and chemical properties

ODOR & APPEARANCE	Clear, Colorless liquefied gas with sweet petroleum odor
SOLUBILITY IN WATER @ 70 Deg. F	0.008%
SPECIFIC GRAVITY (H₂O=1.00):	0.564
BOILING RANGE:	10.9 Deg. F
PRESENT VOLATILE BY VOLUME:	100%
VAPOR PRESSURE @ 70 Deg. F:	31 psig
VAPOR DENSITY (air = 1.00):	2.006
EVAPORATION RATE:	> 1 (Ethyl Ether = 1.0)

Part 10. Stability and Reactivity

STABILITY:

This product is stable

INCOMPATIBILITY (Material to Avoid):

None

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide, Volatile Hydrocarbon Vapors

HAZARDOUS POLYMERIZATION:

Can not occur

CONDITIONS TO AVOID:

High Heat, Sparks & Open Flames

Part 11. Toxicological Information

No data given

Part 12. Ecological Information

- (1) Mechanical recovery
- (2) Flare-Off at safe location (Vapors)
- (3) Exhaust to atmosphere in safe location (No open flames)

OTHER DISPOSAL CONSIDERATIONS:

Disposal must comply with federal, state, and local disposal laws.

Part 13. Transportation

US DOT PROPER SHIPPING NAME: Petroleum Gases, Liquefied

US DOT HAZARD CLASS: 2.1

US DOT ID NUMBER: UN 1075

LABELED/PLACARDED Flammable Gas

Part 14. Regulation Information

LAWS AND REGULATIONS IN CHINA

NAME: Regulations on the Control over Safety of Dangerous Chemicals
Regulations on Safe Use of Chemicals at Workplace

PRESCRIBE: production, storage, transportation, loading and unloading

TOXIC SUBSTANCES CONTROL ACT (TSCA)

TSCA INVENTORY STATUS: Listed on the TSCA inventory

OTHER TSCA ISSUES: None

Part 16. Miscellaneous

CURRENT ISSUE DATE: January, 2024

PREVIOUS ISSUE DATE: January, 2023

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. We shall not be held liable for any damage resulting from handling or from contact with the above product.

END