

MATERIAL SAFETY DATA SHEET

Trade Name: Johnsens Premium Isopropyl Gas Tank Treatment

MSDS NO. 2962
Revision Date: 04/11/2006
Date Printed 01/31/2007

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Johnsens Premium Isopropyl Gas Tank Treatment

Chemical Family: ALCOHOL
Synonyms: None
Emergency Telephone (24 hr.): CHEMTREC 1-800-424-9300

Supplier: Technical Chemical Company, P.O. Box 139, Cleburne, Texas 76033

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight %	OSHA TWA	OSHA STEL	OSHA SKIN
Isopropyl Alcohol 67-63-0	99	Not Listed	Not Listed	Not Listed

Component	Weight %	OSHA Z PEL	OSHA Z TWA	OSHA Z Ceiling
Isopropyl Alcohol 67-63-0	99	980 mg/m ³ 400 ppm	980 mg/m ³ 400 ppm	Not Listed

Component	ACGIH TLV TWA	ACGIH TLV STEL	ACGIH TLV Ceiling
Isopropyl Alcohol 67-63-0	200 ppm	400 ppm	Not Listed

3. HAZARDS IDENTIFICATION

Emergency Overview: Danger: Extremely flammable. May be fatal if swallowed. Causes severe eye irritation.

HMIS Classification: Health: *2 Flammability: 3 Physical Hazard: 0
NFPA Rating: Health: 1 Flammability: 3 Reactivity: 0

4. FIRST AID MEASURES

Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Seek immediate medical attention.

Ingestion: If swallowed, give at least 3-4 glasses of water, but do not induce vomiting. Do not give anything by mouth to an unconscious or convulsing person. Get medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

Skin Contact: Remove contaminated clothing and shoes, and launder before reuse. Wash with soap and water. Get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

Flammable Properties

Flash Point °F(°C): 12 C (54F)
Flash Point Method: TAG Closed Cup
Flammable Limits in Air - Lower (%): 2.0
Flammable Limits in Air - Upper (%): 12.7
Autoignition Temperature °F(°C): 399 C (750 F)
Extinguishing Media: Water. Alcohol foam. Carbon dioxide. Dry chemical. Use water spray to keep containers cool that are exposed to heat or flames.

Protection Of Fire-Fighters:

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5. FIRE FIGHTING MEASURES

Special Fire-Fighting Procedures: Wear approved positive-pressure self-contained breathing apparatus and protective clothing.
Hazardous Combustion Products: Not determined.
Aerosol Comments: Not Applicable

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate protective clothing and equipment to prevent skin and eye contact.
Spill Procedures: Contain any liquid from leaking containers. Avoid all sources of ignition; heat, sparks and open flames. Ventilate spill area. Soak up material with absorbent and place in chemical waste container.
Action to be taken if material is released or spilled: Remove sources of ignition. Release causes immediate fire/explosion hazard.
Environmental Precautions: Do not allow to enter sanitary drains, sewer or surface and subsurface waters.

7. HANDLING AND STORAGE

Handling and Storage: Danger: Extremely flammable. Keep away from heat and open flame. Avoid contact with skin and eyes. Use only in a well ventilated area. Keep container closed when not in use. Avoid breathing vapors, if exposed to high vapor concentration, leave area at once.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Eyewash stations. Showers. Exhaust ventilation.
Eyes: Wear safety glasses or goggles to protect against exposure.
Skin Protection: Not normally necessary. Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking and when leaving work.
Respiratory Protection: Use an approved NIOSH organic vapor respirator below the TLV. If TLV is exceeded or overexposure is likely, use positive pressure or self contained breathing apparatus.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colorless to light yellow liquid
Odor: ALCOHOL
pH Value: Not Determined
Vapor Pressure: AP 33 mm Hg @ 68F
Vapor Density (Air=1): Not Determined
Boiling Point (°F): AP 180 F
Melting/Freezing Point: AP -127 F
Solubility in Water: COMPLETE
Bulk Density at 20°C: Not Determined
Molecular Weight: Not Determined
Specific Gravity (H2O=1): .78 @ 68 F.
Viscosity: Not determined.
Evaporation Rate: Not Determined
VOC Content(%): 99%
Decomposition Temperature: Not Known

10. STABILITY AND REACTIVITY

Chemical Stability: STABLE.
Conditions to Avoid: Keep away from heat, sparks and flame. Strong oxidizing agents.
Materials to Avoid: Oxidizing agents. Aluminum metals, NITROFORM. Sulfuric Acid.
Hazardous Decomposition Products: Carbon monoxide. Toxic fumes
Hazardous Polymerization: None anticipated.

11. TOXICOLOGICAL INFORMATION

Toxicological Data:

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Component	Route	Species	Dose
Isopropyl Alcohol 67-63-0	Inhalation	Rats	LC50 16,000 ppm

Carcinogenicity:

Component	IARC	NTP	OSHA
Isopropyl Alcohol 67-63-0	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

Remarks: Ecological testing has not been conducted on this product.

13. DISPOSAL CONSIDERATION

Waste Classification: Contaminated product/soil/water may be U.S. Resource Conservation and Recovery Act (RCRA) U.S. Occupational Safety and Health Administration (OSHA) hazardous waste due to potentially low flash point.
Waste Management: Not determined.
Disposal Method: Disposal should be made in accordance with federal, state and local regulations.

14. TRANSPORTATION INFORMATION

U.S. DOT:
Proper Shipping Name: ORM-D CONSUMER COMMODITY
Hazard Class: ORM-D
UN/NA Number: Not Applicable
DOT Packing Group: Not Applicable

IMDG:
Proper Shipping Name: Isopropyl Alcohol
Hazard Class: 3
Hazard Subclass: Not determined.
UN No.: UN1219
Packing Group: PG II
Marine Pollutant: NO

15. REGULATORY INFORMATION

US Federal Regulations:

Component	SARA 313	SARA 302	TPQ	RQ
Isopropyl Alcohol 67-63-0	Listed.	Not Listed	Not Listed	Not Listed

SARA 311/312 Hazard Categories: Not Determined.

State Regulations:

Component	California Prop. 65 Cancer list	California - Prop 65 Developmental Toxicity	California Prop. 65 Reproductive Female	California Prop. 65 Reproductive Male
Isopropyl Alcohol 67-63-0	Not Listed	Not Listed	Not Listed	Not Listed

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Component	New Jersey Right-to-Know List:
Isopropyl Alcohol 67-63-0	Substance no. 1076 Substance no. 2079 Substance no. 2422 Substance no. 2423 Substance no. 2425 Substance no. 2426 Substance no. 2427 Substance no. 2428 Substance no. 2429 Substance no. 2430 Substance no. 2381

U.S. TSCA: The components of this product are listed on the TSCA Inventory.
Canadian Inventory: The components of this product are listed on the Canadian DSL or NDSL Inventory.

16. OTHER INFORMATION

General Notes:
Disclaimer: Do not allow undiluted material or large quantities to reach groundwater, bodies of water or sewer system. The information and recommendations contained herein are based upon tests believed to be reliable. However, the manufacturer/distributor of this product does not guarantee their accuracy or completeness NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE. Adjustment to conform to actual conditions of usage may be required. The manufacturer/distributor assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.