MATERIAL SAFETY DATA SHEET

Trade Name: Johnsens Gas Tank Treatment with Anti-Freeze
MSDS NO. 2952
Revision Date: 03/02/2009
Date Printed 03/02/2009

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Johnsens Gas Tank Treatment with Anti-Freeze
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
Methyl Alcohol 67-56-1	95-100	Not Listed	Not Listed	Not Listed

Component	Weight %	OSHA Z PEL	OSHA Z TWA	OSHA Z Ceiling
Methyl Alcohol 67-56-1	95-100	260 mg/m^3 200 ppm	260 mg/m^3 200 ppm	Not Listed

Component	ACGIH TLV TWA	ACGIH TLV STEL	ACGIH TLV Ceiling
Methyl Alcohol 67-56-1	200 ppm	250 ppm	Not Listed

3. HAZARDS IDENTIFICATION

Emergency Overview: Danger: Poison. Flammable Liquid. Ingestion of even small amounts of methyl alcohol can cause blindness and death. Cannot be made nonpoisonous. Keep away from heat, sparks, and flame. May cause eye injury which may persist for several days. Liquid and vapor in high concentrations, causes eye irritation, tearing and burning sensations. Prolonged or widespread skin contact may result in absorption of potentially harmful amounts of material. Prolonged inhalation of vapors causes dizziness, nausea, visual impairment, respiratory failure, muscular incoordination and narcosis. Inhalation of high concentrations for prolong periods has resulted in death. Liver damage has resulted from prolonged or repeated inhalation of vapors.

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

4. FIRST AID MEASURES

Eye Contact: In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

Ingestion: If swallowed, induce vomiting immediately by giving two glasses of water and sticking fingers down throat; never give anything to an unconscious person. Get medical attention. Drink a large amount of water, milk or sodium bicarbonate to dilute material in stomach.

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

5. FIRE FIGHTING MEASURES

Flammable Properties
Flash Point °F(°C): 52 F. (Lowest Component)
Flash Point Method: TAG Closed Cup
Flammable Limits in Air - Lower (%): 6% (lowest Component)
Flammable Limits in Air - Upper (%): 36% (Lowest Component)
Autoignition Temperature °F(°C): 475 F. (Lowest Component)
Extinguishing Media: Alcohol foam. Foam. Dry chemical. Carbon dioxide.
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. Avoid water streams which may splash and spread flaming liquid. Water spray can be used to reduce the intensity of the flames and dilute spills to a non-flammable mixture. Vapor may cause flash fire. Methanol and water mixtures will burn unless very dilute. Mixtures with 25% or more Methanol are OSHA Class 1 Flammable Liquids.

Hazardous Combustion Products: Carbon Dioxide. Carbon Monoxide. Acrid smoke and irritating fumes.

Aerosol Comments: Not Applicable

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate protective clothing and equipment to prevent skin and eye contact. Avoid breathing vapor. When airborne exposure limits are exceeded use NIOSH approved respiratory protection equipment appropriate to the material and/or its components.

Spill Procedures: Wear protective equipment specified. Only trained and qualified personel should handle any spilled or leaked product.

Action to be taken if material is released or spilled: Remove sources of ignition. Increase area ventilation. Stop release at source. Dike area and contain. Absorb spills on inert material such as perlite, vermiculite, sand or dirt. Place in double polyethylene bags. Isolate from other waste materials.

Environmental Precautions: Do not allow to enter sanitary drains, sewer or surface and subsurface waters.

7. HANDLING AND STORAGE

Handling and Storage: Keep container closed when not in use. Avoid breathing vapors, if exposed to high vapor concentration, leave area at once. Avoid contact with skin and eyes. Use only in a well ventilated area. Keep away from food and smoking materials. Wash hands before eating and smoking. Keep away from heat and open flame. Avoid extreme temperatures.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use local exhaust. Eyewash stations. Showers.

Eyes: Safety glasses with side shields.

Skin Protection: Use chemical resistant gloves for prolonged skin contact. Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking and when leaving work. Launder contaminated clothing before reuse.

Respiratory Protection: Appropriate respiratory protection shall be worn when applied engineering controls are not adequate to protect against inhalation exposure. Organic vapor cartridge respirators NOT recommended for methanol vapor exposures.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear to light blue liquid
Odor: MILD-ALCOHOL
pH Value: approx. 7
Vapor Pressure: 135 @ 25 C
Vapor Density (Air=1): 1.11
Boiling Point (°F): 148 F
Melting/Freezing Point: Not determined.
Solubility in Water: SOLUBLE
Bulk Density at 20°C: 6.6 lb/gal
Molecular Weight: Mixture
Specific Gravity (H20=1): .791 @ 60 F
Viscosity: Not determined.
Evaporation Rate: >1
VOC Content(%): >98%
Decomposition Temperature: Not Known

10. STABILITY AND REACTIVITY

Chemical Stability: STABLE.
Conditions to Avoid: Avoid any source of ignition.
Materials to Avoid: Strong oxidizing agents. Chromic anhydride, lead perchlorate and perchloric acids.
Hazardous Decomposition Products: Carbon monoxide. Carbon dioxide. Acrid smoke with irritating fumes.

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10. STABILITY AND REACTIVITY

Hazardous Polymerization: WILL NOT OCCUR

11. TOXICOLOGICAL INFORMATION

Toxicological Data:

Component	Route	Species	Dose
Methyl Alcohol 67-56-1	Inhalation	Rats	LC50 64,000 ppm

Carcinogenicity:

Component	IARC	NTP	OSHA
Methyl Alcohol 67-56-1	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATION

Waste Classification: Not determined.
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: Consumer Commodity
Hazard Class: ORM-D
UN/NA Number: Not Applicable
DOT Packing Group: Not Applicable

IMDG:

Proper Shipping Name: Methanol, Limited Quantity
Hazard Class: 3
Hazard Subclass: 6.1
UN No.: UN 1230
Packing Group: PG II
Marine Pollutant: No

15. REGULATORY INFORMATION

US Federal Regulations:

Component	SARA 313	SARA 302	TPQ	RQ
Methyl Alcohol 67-56-1	Listed.	Not Listed	Not Listed	Not Listed

SARA 311/312 Hazard Catagories: 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
Methyl Alcohol 67-56-1	Not Listed	Not Listed	Not Listed	Not Listed

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Component	New Jersey Right-to-Know List:
Methyl Alcohol 67-56-1	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. 1222

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.

Consumer Product Safety Improvement Act of 2008 General Conformity Certification

The Supplier identified in Section 1 of this MSDS has evaluated this product and certifies it to be labeled and packaged in compliance with the applicable provisions of the Federal Hazardous Substance Act as stated in 16 CFR 1500 and enforced by the Consumer Product Safety Commission, and where applicable the products that require Child Resistant Closures are packaged in accordance with the Poison Prevention Packaging Act as stated in 16 CFR 1700 and enforced by the Consumer Product Safety Commission. All closures have been tested in accordance with the latest protocols. No other testing is required to certify compliance with the above. The date of manufacture is stamped on the product container.

16. OTHER INFORMATION

General Notes: Do not allow undiluted material or large quantities to reach groundwater, bodies of water or sewer system.
Disclaimer: 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.