

HA55360 - ISO-HEET GASOLINE & ANTIFREEZE

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Section I: General Information
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CHEMTREC
Emergency Phone: 800-424-9300
Information Ph#: 708-409-9000
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Revision: 001
Code: 9999

NMFC: Compounds, Water Absorption or Antiicing, Motor Fuel,
Liquid, In Containers, In Boxes, NMFC Item 50337, Class 70

Hazard Ratings:

Health - 2 Flammability - 3 Reactivity - 1 Other - 1

Section II: Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity/Common Name)

	OSHA PEL	ACGIH TLV	%
Isopropyl Alcohol CAS#67-63-0 UN1219 (D.O.T. ID Number)	400 ppm	500 ppm	100

(N/K= Not Known N/E= Not Established N/A= Not Applicable)

Section III: Physical/Chemical Characteristics

Boiling Point: 180F Specific Gravity: 0.79
Vapor Pressure (mm Hg) 32 @ 68F Melting Point: -127F
Vapor Density (AIR-1): 2.1
Evaporation Rate (Butyl Acetate =1) : 1.4 VOC: 100% @ 6.51 lb/gal.
Solubility in Water: Complete
Appearance and Odor: Clear liquid, slight alcohol odor.

Section IV: Fire and Explosion Hazard Data

Flash Point: 53F T.C.C.* Flammable Limits: LEL 2.* UEL 12.*

Extinguishing Media: CO2, dry chemical or foam.

Special Fire Fighting Procedures: Firefighters must wear full face, positive pressure, self contained breathing apparatus. Use water spray to cool exposed containers.

Unusual Fire and Explosion Hazards: VAPORS ARE FLAMMABLE AND MAY TRAVEL ALONG GROUND TO IGNITION SOURCES DISTANT FROM MATERIAL HANDLING POINT. Run off from fire control may cause pollution. Containers exposed to heat and flame from fire may develop sufficient pressure to rupture.

(* For pure isopropyl alcohol)

Section V: Reactivity Data

Stability: Stable Conditions to Avoid: Keep away from heat, sparks or ignition sources.

Incompatibility: Keep concentrate away from strong oxidizing agents, strong acids or strong bases. Do not store in aluminum equipment at temperatures above 120F.

Hazardous Decomposition or Byproducts: Combustion of liquid may form oxides of carbon and/or unidentified organic compounds.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: None known when used as directed.

Section VI: Health Hazard Data

Route(s) of Entry: Inhalation, eye, skin and ingestion.

Health Hazards (Acute): Inhalation- may cause mild irritation to the nose, throat and respiratory tract and may result in central nervous system (CNS) depression. Eye- moderate irritation to the eyes. Skin: mildly irritating to the skin. Ingestion- irritating to the gastro-intestinal tract, causing abdominal pain and vomiting, sometimes bloody. Ingestion may cause CNS depression, low blood pressure, rapid heartbeat and liver damage.

Carcinogenicity: N/A

Medical Conditions Generally Aggravated by Exposure: Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product. Impaired function from preexisting disorders may be aggravated by exposure to this product.

Emergency and First Aid Procedures: Inhalation: remove victim to fresh air and provide oxygen if breathing is difficult. Get medical attention. Eye- immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Get medical treatment. Ingestion- do not give liquids if victim is unconscious or very drowsy. Otherwise, give no more than 2 glasses of water and induce vomiting by giving 30cc (2 tablespoons) Syrup of Ipecac*. If Ipecac is unavailable, give 2 glasses of water and induce vomiting by touching back of victim's throat. Due to the potential for chemical pneumonia by aspiration of chemical into lungs, keep victim's head below hips while vomiting. Get medical attention immediately.

*If victim is a child, give no more than 1 glass of water and 15cc (1 tablespoon) of Syrup of Ipecac. If symptoms such as loss of gag reflex, convulsions or unconsciousness occurs before emesis, gastric lavage should be considered following

Section VII: Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled: Warning. Flammable. Eliminate all ignition sources. Handling equipment must be grounded to prevent sparking. FOR LARGE SPILLS. Evacuate the hazard area unprotected personnel. Wear appropriate respirator and protective clothing. Shut off source of leak only if safe to do so. Dike and contain. If vapor cloud forms, water fog may be used to suppress. Contain run-off. Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand or other suitable material. Place in non-leaking containers for proper disposal. Flush area with water to remove trace residues and dispose of flush solutions as above. FOR SMALL SPILLS. Take up with an absorbent material and place in non-leaking containers. Seal tightly for proper disposal. Product is considered to be a hazardous waste as defined by RCRA. The E.P.A. hazardous waste number is 001.

Precautions to be Taken in Handling and Storage: Product should be kept in cool, dry environment. Keep product away from ignition sources. If ventilation is not adequate wear full face positive pressure S.C.B.A. and protective clothing.

Other Precautions: KEEP OUT OF REACH OF CHILDREN
DISPOSE OF CONTAINER PROPERLY
USE ONLY AS DIRECTED

Section VIII: Control Measures

Respiratory Protection (Specific Type): Air supplied mask in confined non-ventilated areas.

Ventilation: Face velocity >60 lfpm in confined space. Use explosion proof ventilation equipment.

Protective Gloves: Yes. (Chemical resistant)

Eye Protection: Goggles. Always avoid eye contact.

Work/Hygienic Practices: Normal safe working practices.

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