

ACCURATE GAS CONTROL SYSTEMS, Inc.
SAFTY DATA SHEET

1. Identification

Product identifier	THERMEX-E HEAT TRANSFER FLUID
Other means of identification	Part Number: AGTMXE
Recommended use	All proper and legal purposes.
Recommended restrictions	None known.
Manufacturer	
Company name	Accurate Gas Control Systems, Inc.
Address	375 Roberts Road # D Oldsmar, Fl. 34677
Telephone	813-818-9777
E-mail	accurategas.com
Emergency phone number	800-424-9300 CHEMTREC

2. Hazard(s) Identification

Physical hazards	Not classified.
Health hazards	Not classified.
Environmental hazards	Not classified.
OSHA defined hazards	Not classified.

Label elements

Hazard symbol	None
Signal word	None
Hazard statement	This mixture does not meet the criteria for classification.

Precautionary statement

Prevention	Observe good industrial hygiene practices.
Response	Wash hands after handling.
Storage	Store away from incompatible materials.
Disposal	Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC)	None known.
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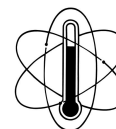
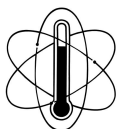
3. Composition / information on ingredients

Mixtures

Chemical Name	CAS number	
<i>PROPYLENE GLYCOL</i>	CAS# 000057-55-6	>25%
<i>DIPOTASSIUM PHOSPHATE</i>	CAS# 007758-11-4	<5%
<i>DEIONIZED WATER</i>	CAS# 007732-18-5	<5%
<i>FILTERED WATER</i>	CAS# 007732-18-5	<65%

4. First-aid measures

Inhalation	At room temperatures, vapors are minimal due to physical properties. Mist may cause irritation of nose and throat. Move to fresh air and seek medical attention if symptoms develop or persist.
Skin contact	Prolonged contact is essentially nonirritating to skin. A single prolonged exposure is not likely to result in material being absorbed through skin in



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harmful amounts. Wash off with soap and water. Seek medical attention if irritation develops or persists.

Eye contact May cause temporary eye irritation. Flush with water. Seek medical attention if irritation develops or persists.

Ingestion Single dose oral toxicity is considered to be extremely low. No hazards anticipated from swallowing small amounts incidental to normal handling operations. Rinse mouth. Seek medical attention if symptoms occur.

Most important symptoms/
effects, acute & delayed Direct contact with eye may cause temporary irritation.

Indication of immediate
medical attention and special
treatment needed Treat symptomatically.

General information No specific antidote. Supportive care. Treatment based on judgement of physician in response to patient.

5. Fire-fighting measures

Suitable extinguishing media Dry Chemical powder. Alcohol resistant foam. Carbon dioxide. (CO₂)
Water fog or fine spray.

Unsuitable extinguishing
media Do not use direct water jet stream. (May spread fire)

Specific hazards arising
from chemical During fire, gases hazardous to health may be formed.

Protective equipment and
precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Firefighting instructions Move containers from area if you can do so safely.
Use standard firefighting procedures. Consider other materials involved.

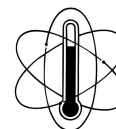
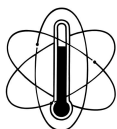
General fire hazards No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions,
protective equipment and
emergency procedures Keep unnecessary personal away. For personal protection, see sec. 8 of this SDS.

Methods and materials for
containment and cleaning up **Large spills.** Stop flow of material if can be done safely. Use water to reduce vapors or divert vapor cloud drift. Dike spilled material if possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. Never return spilled material to original container for re-use. See sec. 13 of this SDS for proper disposal.

Small spills. Wipe up with absorbent material. (Cloth) Clean surface to



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remove residual contamination.

Environmental precautions Avoid discharge into drains, water courses or onto the ground.

7. Handling and Storage

Precautions for safe handling Avoid prolonged exposure. Use good industrial hygiene practices.
Safe storage and any Store in tightly closed container. Store away from incompatible materials.
incompatibilities See sec. 10 of this SDS.

8. Exposure controls/personal protection

US Workplace Environmental Exposure Level (WEEL)

Component	Value	Form
Propylene Glycol (CAS 57-55-6)	10 mg/m ³	Aerosol

Biological limit values No biological exposure limits noted for ingredient.

Engineering controls Good general ventilation. Ventilation rates should match conditions.
Maintain airborne levels below recommended exposure guidelines.

Individual protection measures, protective equipment

Eye/face protection	Wear safety glasses or goggles.
Skin/hand protection	Wear appropriate gloves impervious to this material.
Other	Wear suitable protective clothing.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
General Hygiene	Always observe good personal hygiene measures.

9. Physical and chemical properties

Appearance	
Physical state	Liquid
Color	Yellow-Green
Oder	Characteristic
Boiling Point	320 F, 160 C
Solubility in water/miscibility	100% Complete
Vapor pressure	2.2 mmHg
Vapor density (air = 1)	>1.0
Specific Gravity	1.058 estimated

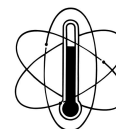
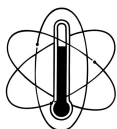
10. Stability and reactivity

Reactivity This product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.

Conditions to avoid Contact with incompatible material. Temperatures above 450 F, 232 C.



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Incompatible materials
Hazardous decomposition
products

Strong oxidizing agents. Strong acids.

11. Toxicological information

Routes of exposure

Inhalation

No death occurred following exposure to a saturated atmosphere.
LC50, 8 h, Vapor, rat 4.1mg/l

Skin contact

No adverse effects due to skin contact are expected.

Eye contact

Direct contact with eyes may cause temporary irritation.

Ingestion

Expected to be a low ingestion hazard.

Acute toxicity

Oral

The LD50 for rats is 20,300 mg/kg

Skin

The LD50 for skin absorption in rabbits is >20,000 mg/kg

Carcinogenicity

This product is not considered to be a carcinogen by IARC, ACGIH
NTP or OSHA.

OSHA Specifically Regulated
Substances
(29 CFR 1910.1001-1050)

Not listed

Reproductive toxicity

This product is not expected to cause reproductive or developmental
effects.

Chronic effects

Prolong inhalation may be harmful.

Specific target organ toxicity
single/repeated exposure

Not listed.

Other information

This product has no known adverse effects on the human body.

12. Ecological information

Eco toxicity

This product is not classified as environmentally hazardous. Based
largely or completely on data for major component(s). Material is
practically nontoxic to aquatic organisms on an acute bases.
(EC50/LC50 >100mg/l in most sensitive species tested.) Material is
readily biodegradable. Passes OECD test(s) for readily biodegradability.

Mobility in soil

Potential mobility in soil is very high. (Koc between 0 and 50)

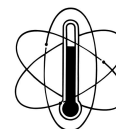
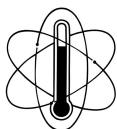
Other adverse effects

No other adverse environmental effects (i.e. ozone depletion,
global warming) are expected from this product.

13. Disposal considerations

Disposal instructions

Do not dump into any sewers, on the ground or any body of water. All
disposal methods must be in compliance with all federal/state/provincial



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and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

Local disposal regulations	Dispose in accordance with all applicable regulations.
Waste from residues / unused products.	Dispose of in accordance with local regulations. This material and it's container must be disposed of in a safe manner.
Contaminated packaging	Emptied containers may retain product residue. Empty containers should be disposed of in accordance with local regulations.

14. Transport information

DOT
Thermex-E Heat Transfer Fluid, AGCS part number AGTMXE does not require DOT or IATA regulations. AGTMXE has a Foreign Trade Department (FTD) Scheduled B Classification number of 2905.32.0000. This classification does not require restriction and allows for transportation by rail car, aircraft, motor vehicle or vessel shipped interstate, intrastate or across national borders. Not classified as dangerous goods.

15. Regulatory information

Not meant to be all-inclusive. Selected regulations represented.

US federal regulations
This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 720.30)
Not listed

CERCLA Hazardous Substance List (40 CFR 302.4)
Not listed

OSHA Specifically Regulated Substances (29 CFR 1910.101-1050)
Not listed.

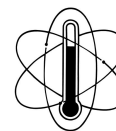
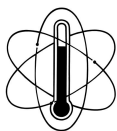
Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate hazard – No
	Delayed hazard – No
	Fire hazard – No
	Pressure hazard – No
	Reactivity hazard – No

SARA 302 Extremely Hazardous substance
Not listed

SARA 311 / 312 / 313
No chemical, No chemical, Not regulated

Other federal regulations
Clean Air Act (CAA) Section 112, 122(r)



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All information appearing herein is based upon data obtained from the manufacture and/or recognized technical sources. While the information is believed to be accurate, Brenntag makes no reprise notations as to its accuracy or sufficiency. Conditions of use are beyond Brenntag's control and therefore users are responsible to verify this data under their own operation conditions to determine whether the product is suitable for their particular purpose and they assume all risk of their use, handling and disposal of the product, or reliance upon, information contained herein. This information relates only to the product designated herein and does not relate to its use in combination with any other material or in any other process. The information in this sheet was written based on the best knowledge and experience available and is provided in good faith and believed to be accurate as of the effective date shown.

END OF SDS