

THETFORD CORP -- AQUA-KEM (SEE SUPPL DATA) -- 6840-01-393-7041

===== Product Identification =====

Product ID:AQUA-KEM (SEE SUPPL DATA)

MSDS Date:01/21/1998

FSC:6840

NIIN:01-393-7041

Status Code:A

MSDS Number: CKYXJ

=== Responsible Party ===

Company Name:THETFORD CORP

Address:7101 JACKSON ROAD

City:ANN ARBOR

State:MI

ZIP:48106

Info Phone Num:(734) 769-6000

Emergency Phone Num:734-769-6000

Resp. Pa

rty Other MSDS Num.:FORM NUMBER: 104

Preparer's Name:NOT PROVIDED

Chemtrec Ind/Phone:(800)424-9300

CAGE:61431

=== Contractor Identification ===

Company Name:GOURMET INQUE LTD

Address:191 STANLEY ST

Box:City:ELK GROVE VILLAGE

State:IL

ZIP:60007-1555

Country:US

Phone:847-296-6192/FAX: 800-542-1042

Contract Num:SP0450-01-M-D631

CAGE:0TNN7

Company Name:GOURMET INQUE LTD

Address:191 STANLEY ST

Box:City:ELK GROVE VILLAGE

State:IL

ZIP:60007-1555

Country:US

Phone:847-296-6192/FAX: 800-542-1042

Contract

Num:SP0450-01-M-D733
CAGE:0TNN7
Company Name:THETFORD CORP
Address:7101 JACKSON ROAD
Box:City:ANN ARBOR
State:MI
ZIP:48106
Phone:(734) 769-6000
CAGE:61431

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===== Composition/Information on Ingredients =====

Ingred Name:FORMALDEHYDE
CAS:50-00-0
RTECS #:LP8925000
Other REC Limits:STEL 2PPM
OSHA PEL:SEE 1910.1048
OSHA STEL:2 PPM
ACGIH TLV:0.3 PPM C
ACGIH STEL:C0.37 MG/M3;C0.3 PPM
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

Ingred Name:METHANOL
CAS:67-56-1
RTECS #:PC1400000
OSHA PEL:
260 MG/M3;200 PPM
ACGIH TLV:262 MG/M3;200 PPM
ACGIH STEL:328 MG/M3;250 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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===== Hazards Identification =====

LD50 LC50 Mixture:NOT PROVIDED
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:CAN PRODUCE EYE DAMAGE AND SKIN
SENSITIZATION. MUTAGENIC ACTIVITY IN BACTERIAL AND MAMMALIAN CELL
CULTURE TEST SYMPTOMS- BUT

NOT MUTAGENIC IN WHOLE ANIMAL SYSTEMS.

NOT TERATOGENIC. HIGH INHALATION EXPOSURE MAY CAUSE BRONCHOPNEUMONIA AND EDEMA.

Explanation of Carcinogenicity:NTP: REASONABLY ANTICIPATED TO BE CARCINOGENIC. IARC MONOGRAPHS: PROBABLY CARCINOGENIC. OSHA REGULATED: POTENTIAL CARCINOGEN. CARCINOGENIC POTENTIAL IS BASED ON ANIMAL EVIDENCE. HUMAN EVIDENCE SHOWS NO INCREASED RISK OF CANCER.

Effects of Overexposure:INHALATION PRODUCES IRRITATION TO UPPER RESPIRATORY TRACT AND EYE IRRITATION. MAY INCLUDE DISCOMFORT SUCH AS NAUSEA, HEADACHE, OR WEAKNESS. SKIN CONTACT PRODUCES IRRITATION WITH DISCOMFORT OR RASH. EYE CONTACT CAUSES IRRITATION OR SEVERE BURNS.

Medical Cond Aggravated by Exposure:PERSONS HAVING PREEXISTING DISEASES OF THE LUNGS, EYES, OR SKIN MAY HAVE INCREASED SUSCEPTIBILITY TO THE HAZARDS OF EXCESSIVE EXPOSURE.

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===== First Aid Measures =====

First Aid:FLUSH CONTACTED AREA WITH LARGE AMOUNTS OF WATER. IRRIGATE

EYES FOR A MINIMUM OF 15 MINUTES. IF SWALLOWED, INDUCE VOMITING BY GIVING 2 GLASSES OF WATER AND STICKING FINGER DOWN THE THROAT. FOR EYE CONTACT OR INGESTION, CALL A PHYSICIAN.

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===== Fire Fighting Measures =====

Flash Point Method:TCC

Flash Point:=-58.3C, 137.F

Extinguishing Media:WATER, DRY CHEMICAL, CARBON DIOXIDE OR FOAM APPROVED FOR USE WITH ALCOHOL.

Fire Fighting Procedures:WEAR SELF CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:NONE.

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===== Accidental Release Measures =====

Spill Release Procedures:VENTILATE AREA BY OPENING ALL DOORS AND WINDOWS. USE A FAN IF AVAILABLE. WEAR A VAPOR MASK WITH AN ORGANIC VAPOR OF FORMALDEHYDE CARTRIDGE. CLEAN UP SMALL SPILLS WITH WATER. SOAK UP LARGER SPILLS WITH EARTH, SAND, OR OTHER NONCOMBUSTIBLE ABSORBENT MATERIAL. NEUTRALIZE REMAINING ODOR WITH AMMONIA, COLD WATER MIXTURE. MOP AREA WITH PLENTY OF WATER. WORK FOR SHORT

PERIODS OF TIME (15 MINUTE PERIODS).
Neutralizing Agent:AMMONIA, COLD WATER MIXTURE.

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===== Handling and Storage =====

Handling and Storage Precautions:DO NOT STORE ABOVE 110F. DO NOT
FREEZE.

Other Precautions:DO NOT GET LIQUID IN EYES OR ON SKIN. DO NOT INHALE
VAPORS. WASH THOROUGHLY AFTER HANDLING.

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===== Exposure Controls/Personal Protection =====

Respiratory Protection:WEAR SELF CONTAINED BREATHING APPARATUS FOR
LARGER SPILL

S. WEAR A VAPOR MASK WITH ORGANIC VAPOR OR FORMALDEHYDE
CARTRIDGE FOR SMALL SPILLS.

Ventilation:USE LOCAL EXHAUST TO MAINTAIN ADEQUATE VENTILATION.
MECHANICAL (GENERAL) VENTILATION IS NOT RECOMMENDED. SPECIAL
VENTILATION IS NOT NECESSARY.

Protective Gloves:RECOMMENDED.

Eye Protection:RECOMMENDED.

Other Protective Equipment:PROTECTIVE CLOTHING TO AVOID SKIN CONTACT.
PROVIDE EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:AVOID UNECESSARY AND PROLONGED EXPOSURE. AVOID

BREATHING VAPORS.

Supplemental Safety and Health

CONTINUED FROM PRODUCT ID: VENDOR PART NUMBER: 15483. ABBREVIATION: N/A
= NOT APPLICABLE. N/AV = NOT AVAILABLE. N/K = UNKNOWN. N/P = NOT
PROVIDED. N/R = NOT RELEVANT. N/D = NOT DETERMINED. N/E = NOT E
STABLISHED.

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===== Physical/Chemical Properties =====

HCC:F6

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:=98.9C, 210.F

Decomp Temp:Decomp Text:NOT PROVIDED

Vapor Pres:17-20 MM HG @ 25C

Vapor Density:1.03

Sp

ec Gravity:1.08

pH:3.5-5

Viscosity:NOT PROVIDED

Evaporation Rate & Reference:SIMILAR TO WATER >1

Solubility in Water:COMPLETE

Appearance and Odor:BLUE LIQUID WITH PUNGENT ODOR.

Percent Volatiles by Volume:NOT PROVIDED

Corrosion Rate:NOT PROVIDED

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

PHENOLS, INORGANIC ACIDS, STRONG OXIDIZING AGENTS, STRONG ALKALIS.

Stability Condition to Avoid:ELEVATED TEMPERATURES.

Hazardous Decompos

ition Products:THERMAL DECOMPOSITION MAY PRODUCE
CARBON MONOXIDE AND CARBON DIOXIDE.

===== Toxicological Information =====

Toxicological Information:CAN PRODUCE EYE DAMAGE AND SKIN

SENSITIZATION. MUTAGENIC ACTIVITY IN BACTERIAL AND MAMMALIAN CELL

CULTURE TEST SYMPTOMS- BUT NOT MUTAGENIC IN WHOLE ANIMAL SYSTEMS.

NOT TERATOGENIC. HIGH INHALATION EXP OSURE MAY CAUSE

BRONCHOPNEUMONIA AND EDEMA.

===== Ecological Information =====

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Ecological:NOT PROVIDED

===== Disposal Considerations =====

Waste Disposal Methods:INCINERATION OR BIOLOGICAL TREATMENT IN
FEDERAL/STATE APPROVED TREATMENT FACILITY.

===== MSDS Transport Information =====

Transport Information:ANY TRANSPORTATION QUESTIONS CAN BE ANSWERED BY
THETFORD CORPORATION'S TRAFFIC DEPARTMENT.

===== Regulatory Information =====

SARA Title III Inform

ation:NOT PROVIDED

Federal Regulatory Information:NOT PROVIDED

State Regulatory Information:NOT PROVIDED

===== Other Information =====

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