

GORE W L AND ASSOCIATES -- TETRA-ETCH, (SEE SUPPL) -- 6850-00-431-8662

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Product Identification  
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Product ID:TETRA-ETCH, (SEE SUPPL)

MSDS Date:03/23/2000

FSC:6850

NIIN:00-431-8662

Status Code:A

MSDS Number: CLGCR

=== Responsible Party ===

Company Name:GORE W L AND ASSOCIATES

Address:DUNDEE TECHNOLOGY PARK

City:DUNDEE DD2 1JA

Country:UK

Info Phone Num:01382561511

Emergency Phone Num:847-29

6-6192

Resp. Party Other MSDS Num.:TE002

CAGE:U7676

=== Contractor Identification ===

Company Name:GORE W L AND ASSOCIATES

Address:DUNDEE TECHNOLOGY PARK

Box:City:DUNDEE DD2 1JA

Country:UK

Phone:01382561511

CAGE:U7676

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-ZD84

CAGE:0TNN7

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Composition/Information on Ingredients  
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Ingred Name:ETHYL

ENE GLYCOL DIMETHYL ETHER  
CAS:110-71-4  
RTECS #:K11451000  
= Wt:74.  
Other REC Limits:1 PPM 8 HR(GORE)

Ingred Name:SODIUM NAPHTHALENE COMPLEX OR SODIUM, 1,2-DIMETHOXYETHANE  
NAPHTHALENYL COMPLEXES  
CAS:113492-05-0  
= Wt:25.  
OSHA PEL:50 MG/M3, 10 PPM  
OSHA STEL:15 PPM  
ACGIH TLV:50 MG/M3, 10 PPM  
ACGIH STEL:15 PPM

Ingred Name:VINYL METHYL ETHER  
CAS:107-25-5  
RTECS #:KO2300000  
= Wt:1.

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

LD50 LC50 Mixture:NO DATA PROVIDED BY RESPONSIBLE PARTY.

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:TARGET ORGANS: SKIN, EYES, DIGESTIVE TRACT, LIVER, KIDNEY, BLOOD, CENTRAL NERVOUS SYSTEM, REPRODUCTIVE SYSTEM. EYE: DIRECT CONTACT WILL CAUSE EYE BURNS. VAPORS ARE IRRITATING. SKIN: DIRECT CONTACT WILL CAUSE IRRITATION & POSSIBLE BURNS. MATERIAL CAN BE ABSORBED THROUGH SKIN. INGESTION: INGESTION WILL CAUSE BURNS TO THE MOUTH, OESOPHAGUS & GASTROINTESTINAL TRACT. INHALATION. VA

POR INHALATION CAN CAUSE BREATHING DIFFICULTY, RESPIRATORY IRRITATION, DIZZINESS, DROWSINESS AND NAUSEA.

Explanation of Carcinogenicity:NTP, IARC & OSHA DO NOT LIST THIS PRODUCT OR THE CONSTITUENTS AS CARCINOGENS. THERE IS NO EVIDENCE OF MUTAGENICITY IN STANDARD TESTING.

Effects of Overexposure:EYES/SKIN: SEVERE IRRITATION, CAUSTIC BURNS. INHALATION: DIZZINESS, HEADACHE, NAUSEA. INGESTION: SEVERE GASTRIC DISTURBANCE, POSSIBLE BURNS OF THE MOUTH, ESOPHAGUS AND GASTROINTE

STINAL TRACT.

Medical Cond Aggravated by Exposure:NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

First Aid:INHALATION: IF INHALATION EXPOSURE OCCURS, REMOVE AFFECTED PERSON TO FRESH AIR. IF BREATHING STOPS, GIVE ARTIFICIAL RESPIRATION & SEEK MEDICAL ATTENTION IMMEDIATELY. INGESTION: CONTACT A PHYSICIAN IMMEDIATELY. PRODUCT WILL REACT WITH WATER IN THE BODY TO FORM CAUSTIC BURNS OF THE MOUTH, ESOPHAGUS & GASTROINTESTINAL TRACT. SKIN: REMOVE CONTAMINATED CLOTHING. FLUSH AFFECTED SKIN WITH WATER IMMEDIATELY. WASH BODY WITH SOAP & WATER. IF IRRITATION OR BURNS DEVELOP, SEE A PHYSICIAN IMMEDIATELY. EYE: IMMEDIATELY FLUSH WITH CLEAN WATER FOR 15 MINUTES. CONSULT A PHYSICIAN IMMEDIATELY.

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

Flash Point Method:PMCC

Flash Point:=-8.3C, 47.F

+/- 3C OR 5.4F

Autoignition Temp:=-192.C, 377.6F

Lower Limits:1.8

Upper Limits:10.4

Ext

Extinguishing Media:DRY POWDER, PREFERABLY WITH A NITROGEN PROPPELLANT.

Fire Fighting Procedures:WEAR NIOSH APPROVED EQUIPMENT INCLUDING A POSITIVE PRESSURE SELF CONTAINED BREATHING APPARATUS ON AN UNCLOSED SPACE

Unusual Fire/Explosion Hazard:EXTREMELY FLAMMABLE, VAPOR EXPLOSION HAZARD, MAY BE IGNITED BY HEAT, SPARKS OR FLAMES, VAPORS MAY TRAVEL TO A SOURCE OF IGNITION & FLASH BACK. CONTAINER MAY EXPLODE IN HEAT OF FIRE. AIR EXPLOSION LIMIT GIVEN ARE FOR THE SOLVENT NOT PRODUCT

AS WHOLE.

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

Spill Release Procedures:DIKE & COVER WITH A NON-FLAMMABLE INERT ABSORBENT SUCH AS SAND OR DIRT. REMOVE ALL SOURCES OF IGNITION. THIS MATERIAL WILL CAUSE SKIN/EYE BURNS & PERSONAL PROTECTIVE EQUIPMENT MUST BE USED. USE NON-SPARKING TOOLS. TRANSFER INTO POLYPROPYLENE DRUMS. DISPOSE OF ACCORDING TO APPLICABLE REGULATIONS. WASTE FROM A SPILL MAY BE REGULATED AS IGNITABLE, CORROSIVE WASTE.

Neu

tralizing Agent:NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

Handling and Storage Precautions:STORAGE: STORE UNDER NITROGEN. STORE BELOW 32 F (OC) FOR BEST PERFORMANCE & STABILITY. ALLOW MATERIAL TO REACH ROOM TEMPERATURE PRIOR TO USE. HANDLING: WEAR CHEMICAL RESISTANT GLOVES & GOGGLES WHEN OP ENING CONTAINER OR USING LIQUID. OPEN CONTAINER CAREFULLY TO GENTLY RELEASE ANY BUILT-UP PRESSURE.

Other Precautions:RESIDUAL

PRODUCT MAY BE PRESENT IN EMPTY CONTAINERS.

DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE CONTAINER TO HEAT, SPARKS, FLAMES, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNI TION. DO NOT REUSE CONTAINERS FOR FOOD, CLOTHING OR PRODUCTS FOR HUMAN OR ANIMAL CONSUMPTION.

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

Respiratory Protection:USE NIOSH APPROVED RESPIRATOR WITH CARTRIDGE SPECIFIC FOR ORGANIC VAPORS OR SUPPLIED AIR BREATHING A PPARATUS

ACCORDING TO PROVISIONS OF THE OSHA RESPIRATOR STANDARD (29CFR 1910.134).

Ventilation:USE ONLY WITH ADEQUATE PROTECTION SUCH AS LOCAL EXHAUST FUME HOOD.

Protective Gloves:BUTYL RUBBER GLOVES.

Eye Protection:CHEMICAL SPLASH SAFETY GOGGLES OR FULL FACE SHIELD.

Other Protective Equipment:FULL BODY SAFETY SHOWER, EYE WASH STATION.

NEOPRENE OR POLYETHYLENE APRON. WEAR LONG SLEEVED CLOTHING, CHANGED DAILY.

Work Hygienic Practices:NO DATA PROVIDED BY RESPONSIBLE PARTY.

Supp

lemental Safety and Health

BASED ON VENDOR, GOURMET INQUE LTD (TELEPHONE # 847-296-6192), THE MFG'S MSDS PRESENTED WITH TRADE NAME "TETRA-ETCH TCHANT" ALSO COVERS "TETRA -ETCH" , THE PRODUCT BOUGHT BY THE GOVERNMENT.

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

HCC:F7

Boiling Pt:=85.C, 185.F

B.P. Text:(SOLVENT)

Vapor Pres:48 MMHG @ 20 DEG C

Vapor Density:3.11

Spec Gravity:0.96

VOC Pounds/Gallon:815

pH:>12.5

Evaporation Rate & Reference:5 FOR SOLVENT (BUAC=1

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Appearance and Odor:GREEN-BLACK LIQUID, MOTHBALL/ETHER ODOR

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

Stability Indicator/Materials to Avoid:YES

OXIDIZING AGENTS, STRONG ACIDS.

Stability Condition to Avoid:NO DATA PROVIDED BY RESPONSIBLE PARTY.

Hazardous Decomposition Products:REACTS WITH WATER TO FORM CAUSTIC SODA, NAPHTHALENE, SMALL AMOUNTS OF HYDROGEN & POLYCYCLIC COMPOUNDS. HEATING TO DECOMPOSITION EMITS ACRID SMOKE & FUMES.

Conditions to Avoid Polymerization:WILL NOT OCCUR

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

Toxicological Information:ACUTE: SKIN/EYE CONTACT WILL CAUSE SEVERE IRRITATION & POSSIBLE CAUSTIC BURNS. INHALATION OF VAPOUR CAN CAUSE DIZZINESS, DROWSINESS, HEADACHE & NAUSEA. INGESTION WILL CAUSE SEVERE GASTRIC DISTURBANCE & POSSIBLE BURNS OF THE MOUTH, ESOPHAGUS & GASTROINTESTINAL TRACT. SOME INDIVIDUALS MAY SHOW SENSITIVITY TO NAPHTHALENE. CHRONIC: EXPERIMENTAL STUDIES IN MICE

HAVE SHOWN THAT THE GLYCOL ETHER USED IN THIS PRODUCT CAUSES MALE REPRODUCTIVE TOXICITY, TERATOGENIC EFFECTS & EMBRYO TOXICITY. LABORATORY STUDIES IN MALE MICE WITH GLYCOL ETHER HAVE SHOWN ANEMIA, BONE MARROW DAMAGE, HAEMOLYSIS, IMMUNOSUPPRESSION & TESTICULAR ATROPHY.

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

Ecological:THERE IS NO SPECIFIC ECOLOGICAL IMPACT INFORMATION AVAILABLE FOR THIS PRODUCT. HOWEVER, IT SHOULD BE CONSIDERED AS POTENTIALLY

HAZARDOUS TO THE ENVIRONMENT. DURING HANDLING & DISPOSAL AVOID CONTAMINATION OF SOIL, DRAINS, AND WATER.

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

Waste Disposal Methods:THIS PRODUCT IS BOTH CORROSIVE & FLAMMABLE. DISPOSE OF AS A HAZARDOUS WASTE IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS. FOR EXAMPLE, TEST FOR IGNITABILITY (D001) & CORROSIVITY (D002) UNDER RCRA.

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

Transport Inf

ormation:SHIPPING NAME: FLAMMABLE LIQUID, CORROSIVE,  
N.O.S. (1,2-DIMETHOXYETHANE). IDENTIFICATION: UN2924. HAZARD CLASS:  
3. PACKING GROUP: II . LABELS REQUIRED: FLAMMABLE (3), CORROSIVE.

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Regulatory Information  
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SARA Title III Information:SARA HAZARD CATEGORY: FIRE HAZARD, ACUTE  
HEALTH HAZARD, CHRONIC HEALTH HAZARD. SARA III SECTION 313 LISTED  
TOXIC CHEMICALS, IN40 CFR 372, REQUIRING REPORTING OF RELEASE:  
ETHYLENE GLYCOL DIMETHYL

Y ETH ER, CAS# 110-71-4, 75%; NAPHTHALENE,  
CAS# 91-20-3, 25%.

Federal Regulatory Information:TOXIC SUBSTANCE CONTROL ACT (TSCA): ALL  
COMPONENTS ARE ON THE TSCA INVENTORY. CERCLA SUPERFUND, 40 CFR  
117.302: A RELEASE IN EXCESS OF 13 GALLONS COULD REQUIRE REPORTING  
TO THE NATIONAL EMERGENCY CEN TER (800-424-8802).

State Regulatory Information:THIS PRODUCT CONTAINS THE FOLLOWING LEVELS  
OF LISTED SUBSTANCES WHICH THE STATE OF CALIFORNIA HAS FOUND TO  
CAUSE CANCER, BIRTH DEFECT

S OR OTHER REPRODUCTIVE HARM: NONE.

LISTED IN PENNSYLVANIA RIGHT TO KNOW: ETHYLENE GLYCOL DIMETHYL  
ETHER, CAS# 110-71-4. LISTED IN NEW JERSEY RIGHT TO KNOW: ETHYLENE  
GLYCOL DIMETHYL ETHER, 74%; SODIUM NAPHTHALENE COMPLEX, 25%; VINYL  
METHYL ETHER, 1%. LISTED BY MASSAC HUSETTS RIGHT TO KNOW: ETHYLENE  
GLYCOL DIMETHYL ETHER, CAS# 110-71-4; VINYL METHYL ETHER, CAS#  
107-2 5-5.

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Other Information  
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