

W L GORE & ASSOCIATES -- TETRA-THIN THINNING AGENT -- 6850-00-431-8662

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Product Identification
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Product ID:TETRA-THIN THINNING AGENT

MSDS Date:04/19/1995

FSC:6850

NIIN:00-431-8662

Status Code:A

MSDS Number: CJGKS

=== Responsible Party ===

Company Name:W L GORE & ASSOCIATES

Address:1500 NORTH FOURTH ST

Box:3000

City:FLAGSTAFF

State:AZ

ZIP:86003

Country:US

Info Phone Num:602-526-3030/800-

645-4337

Emergency Phone Num:520-526-3030

Resp. Party Other MSDS Num.:HCP-002

Preparer's Name:ART MOLINA

Chemtec Ind/Phone:(800)424-9300

CAGE:1BX19

=== Contractor Identification ===

Company Name:W L GORE & ASSOCIATES

Address:1500 NORTH FOURTH ST

Box:3000

City:FLAGSTAFF

State:AZ

ZIP:86003

Country:US

Phone:602-526-3030/800-645-4337

Contract Num:DLA40092M9895

CAGE:1BX19

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Composition/Information on Ingredients
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Ingred Name:ETHYLENE GLYCOL DIMETHYL ETHER

CAS:110-71-4

RT

ECS #:K11451000

= Wt:95.

Other REC Limits:NONE RECOMMENDED

Ingrid Name:SODIUM, 1,2-DIMETHOXYETHANE NAPHTHALENYL COMPLEXES/SODIUM
NAPHTHALENE COMPLEX

CAS:113492-05-0

= Wt:5.

Other REC Limits:NONE RECOMMENDED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:TARGET ORGANS: EYES, SKIN, CNS,
DIGESTIVE TRACT, LIVER, KIDNEY, BLOOD,

REPRODUCTIVE SYSTEM. ACUTE -

EYES: DIRECT CONTACT WILL CAUSE BURNS. VAPORS ARE SEVERELY
IRRITATING. SKIN: DIRECT CONTACT WILL CAUSE SEVERE IRRITATION AND
POSSIBLE BURNS. MATERIAL CAN BE ABSORBED THROUGH SKIN IN HARMFUL
AMOUNTS. INHALATION: VAPOR CAN CAUSE CENTRAL NERVOUS SYSTEM EFFECTS,
BREATHING DIFFICULTY, RESPIRATORY IRRITATION, HEADACHE, DIZZINESS,
DROWSINESS AND NAUSEA. INGESTION: WILL CAUSE BURNS TO THE MOUTH,
ESOPHAGUS AND GASTROINTESTINAL TRACT. CHRONIC EFFECTS -

CTS - POSSIBLE

BIRTH DEFECT HAZARD, ANEMIA, BONE MARROW DAMAGE, HEMOLYSIS.

Explanation of Carcinogenicity:THIS MATERIAL IS NOT LISTED BY IARC,
NTP, AND OSHA AS A CARCINOGEN. THERE IS NO EVIDENCE OF MUTAGENICITY
IN STANDARD TESTING.

Effects of Overexposure:BURNS, SEVERE IRRITATION, PAIN, NAUSEA,
VOMITING, DIARRHEA, REDNESS, COUGHING, CHOKING, SHORTNESS OF
BREATH, BREATHING DIFFICULTY, DIZZINESS, DROWSINESS

Medical Conditions Aggravated by Exposure:SOME INDIVIDUALS MAY SHOW
SENSITIVITY TO NAPHTHALENE.

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

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALATION: REMOVE
VICTIM TO FRESH AIR. IF NOT BREATHING, PROVIDE RESUSCITATION.
CONTACT A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. EYE
CONTACT: IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES. HOLD
EYELIDS APART. GET MEDICAL ATTENTION IMMEDIATELY. SKIN: FLUSH WITH
WATER IMMEDIATELY. REMOVE CONTAMINATED CLOTHING. WASH SKIN

WITH

SOAP AND WATER. INGESTION: SEEK MEDICAL ATTENTION IMMEDIATELY. PRODUCT WILL REACT WITH WATER IN THE BODY TO FORM CAUSTIC BURNS OF THE MOUTH, ESOPHAGUS AND GASTROINTESTINAL TRACT.

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

Flash Point Method:PMCC

Flash Point:=-11.1C, 52.F

11C+/-1C 52+/-1F

Autoignition Temp:=-192.C, 377.6F

Lower Limits:1.8%

Upper Limits:10.4%

Extinguishing Media:DRY CHEMICAL; PREFERABLY WITH A NITROGEN PROPELLANT

Fire Fighting Procedure

s:WEAR NIOSH APPROVED EQUIPMENT INCLUDING A

POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS IN ANY CLOSED 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 AND FLASH BACK. CONTAINERS MAY EXPLODE IN HEAT OF FIRE.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF

IGNITION. VENTILATE AREA. STOP SPILL IF POSSIBLE WITHOUT RISK.

DIKE AND COVER WITH NON-FLAMMABLE ABSORBENT SUCH AS SAND OR DIRT. GROUND ALL HANDLING EQUIPMENTS. PREVENT LIQUID FROM ENTERING SEWERS OR WATERWAYS. USE NON-SPARKING TOOLS.

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

Handling and Storage Precautions:STORE UNDER NITROGEN. STORE BELOW 32 F (0C) FOR BEST PERFORMANCE AND STABILITY. ALLOW MATERIAL TO REACH ROOM TEMPERATURE PRIOR TO USE. OPEN

CAREFULLY TO GENTLE RELEASE ANY

BUILD-UP PRESSURE. KEEP CONTAINER CLOSED, AWAY FROM IGNITION SOURCES. AVOID LONG EXPOSURE OF OPEN CONTAINER TO THE ATMOSPHERE.

Other Precautions:EXTREMELY FLAMMABLE AND CORROSIVE. EMPTY CONTAINERS RETAIN PRODUCT RESIDUES AND CAN BE DANGEROUS. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER OR DRILL. KEEP OUT OF REACH OF CHILDREN.

AVOID BREATHING VAPORS. DO NOT GET IN EYE, ON SKIN OR ON CLOTHING. AVOID INGESTION.

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===== Exposure Contr

ols/Personal Protection =====

Respiratory Protection:USE NIOSH APPROVED RESPIRATOR WITH CARTRIDGE SPECIFIC FOR ORGANIC VAPORS OR SUPPLIED AIR BREATHING APPARATUS ACCORDING TO PROVISIONS OF THE OSHA RESPIRATOR STANDARD (29 CFR 1910.134).

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

Protective Gloves:WEAR BUTYL RUBBER GLOVES.

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

Other Protective Equipment:USE IN PROXIMIT

Y TO AN EYE WASH STATION.

WEAR LONG SLEEVED CLOTHING; CHANGED DAILY. NEOPRENE OR POLYETHYLENE APRON IS RECOMMENDED. USE IN PROXIMITY TO A FULL BODY SAFETY SHOWER.

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH AFTER HANDLING AND BEFORE EATING, DRINKING OR SMOKING.

Supplemental Safety and Health

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

HCC:F7

Boiling Pt:=85.C, 185.F

Vapor Pres:48 @ 20C/68F

Vapor

Density:3.11

Spec Gravity:0.89

pH:>12.5

Evaporation Rate & Reference:5 (BUTYL ACETATE=1)

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

Percent Volatiles by Volume:95

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

Stability Indicator/Materials to Avoid:YES

OXIDIZING AGENTS, STRONG ACIDS

Stability Condition to Avoid:EXCESSIVE HEAT, SPARKS, FLAMES, OTHER IGNITION SOURCES

Hazardous Decomposition Products:EMITS ACRID SMOKE AND FUMES. REACTS WITH WATER

TO FORM CAUSTIC SODA, NAPHTHALENE, SMALL AMOUNTS OF HYDROGEN AND POLYCYCLIC COMPOUNDS.

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

Toxicological Information:TETRAGENIC EFFECTS HAVE BEEN OBSERVED IN MICE AT 250 MG/KG AND PHYTOTOXICITY AT 490 MG/KG.

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

Ecological:THERE IS NO SPECIFIC ECOLOGICAL IMPACT AVAILABLE ON THIS PRODUCT. HOWEVER, IT SHOULD BE CONSIDERED AS POTENTIALLY HAZARDOUS TO THE ENVIRONMENT. DURING HANDLING AND DISPOSAL, AVOID CONTAMINATION OF SOIL, DRAIN AND WATER.

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

Waste Disposal Methods:THIS PRODUCT IS BOTH CORROSIVE AND FLAMMABLE. DISPOSE OF AS A HAZARDOUS WASTE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS. FOR EXEMPLE, TEST FOR IGNITABILITY (D001) AND CORROSIVITY (D002) UNDER RCRA. DO NOT REUSE CONTAINERS FOR FOOD, CLOTHING OR PRODUCTS FOR HUMAN OR ANIMAL CONSUMPTION.

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

SARA Title III Information:CERCLA SUPERFUND, 40 CFR 117, 302: UNDER THE US-EPA COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT (CERCLA), A RELEASE OF 13 GALLONS COULD REQUIRE REPORTING TO THE NATIONAL EMERGENCY CENTER. ETHYLENE GLYCOL DIMETHYL ETHER AND NAPHTHALENE ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) OF 1986 AND 40 CFR PART 372.65

Federal Regulatory Information:THE COMPONENTS OF THIS PRODUCT ARE ON THE TOXIC SUBSTANCE CONTROL ACT (TSCA) INVENTORY LIST.

State Regulatory Information:CALIFORNIA PROPOSITION 65: NONE. ETHYLENE GLYCOL DIMETHYL ETHER CAN BE FOUND ON THE FOLLOWING STATE RIGHT TO KNOW LIST: NEW JERSEY, PENNSYLVANIA, MASSACHUSETTS. SODIUM NAPHTHALENE COMPLEX CAN BE FOUND ON THE FOLLOWING STATE RIGHT TO KNOW LIST: NEW JERSEY.

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