

ECOLINK INC -- TRIAGEN INDUSTRIAL METAL CLEANER -- 6850-01-450-6155

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

Product ID: TRIAGEN INDUSTRIAL METAL CLEANER

MSDS Date: 03/18/1999

FSC: 6850

NIIN: 01-450-6155

MSDS Number: CJVZB

=== Responsible Party ===

Company Name: ECOLINK INC

Address: 1481 ROCK MOUNTAIN BLVD

City: STONE MOUNTAIN

State: GA

ZIP: 30083-1505

Country: US

Info Phone Num: 800-886-8240

Emergency Phone Num:

800-877-3339/800-535-5053

Preparer's Name: NOT PROVIDED.

CAGE: 0WU71

=== Contractor Identification ===

Company Name: ECOLINK INC

Address: 1481 ROCK MOUNTAIN BLVD

Box: City: STONE MOUNTAIN

State: GA

ZIP: 30083-1505

Country: US

Phone: 800-886-8240/770-621-8240

Contract Num: SP0400-99-A-AD89-0052

CAGE: 0WU71

Company Name: ECOLINK INC

Address: 1481 ROCK MOUNTAIN BLVD

Box: City: STONE MOUNTAIN

State: GA

ZIP: 30083-1505

Country: US

Phone: 800-886-8240/770-621-8240

Contract Num: SP0450-00-M-SA22

CAGE: 0WU71

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Composition/Information on Ingredients =====

Ingred Name:N-PROPYL BROMIDE

CAS:106-94-5

= Wt:95.

Other REC Limits:MREL 100 PPM TWA 8HR

Ingred Name:1,2-BUTYLENE OXIDE

CAS:106-88-7

RTECS #:EK3675000

&lt; Wt:1.

Other REC Limits:NOT PROVIDED.

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:DIMETHOXYMETHANE

CAS:109-87-5

RTECS #:PA8750000

&lt; Wt:5.

Other REC Limits:NOT PROVIDED.

OSHA PEL:3100 MG/M3;1000 PPM

ACGIH TLV:3110 MG/M3;1000 PPM

Ingred Name:T-BUTANOL

CAS:75-65-0

RTECS #:EO1925000

&l

t; Wt:1.

Other REC Limits:NOT PROVIDED.

OSHA PEL:300 MG/M3;100 PPM

ACGIH TLV:303 MG/M3;100 PPM

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

LD50 LC50 Mixture:NOT PROVIDED.

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

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

Health Hazards Acute and Chronic:INGESTION: SWALLOWING LARGE AMOUNTS

MAY BE HARMFUL, BY CAUSING GASTROINTESTINAL IRRITATION. INHALATION:

BREATHING LARGE AMOUNTS MAY BE HARMFUL, BY CAUS

ING NOSE, THROAT,  
RESPIRATORY TRACT IRRITATION AND EFFECTING THE CENTRAL NERVOUS SYSTEM CAUSING DROWSINESS, DIZZINESS AND/OR POSSIBLE UNCONSCIOUSNESS. CHEMICAL BURNS ARE POSSIBLE. EYES: IRRITANT. LIQUID CONTACT WILL IRRITATE EYES AND MAY CAUSE STINGING, TERARING AND REDNESS. SKIN CONTACT: MAY CAUSE MILD IRRITATION OR REDNESS AND BURNING. MAY AGGRAVATE PREEXISTING DISEASES OF THE SKIN AND LIVER.

Explanation of Carcinogenicity:(THE MINOR INGREDIENT, 1,2-BUTYLENE OXIDE

IS CLASSIFIED BY IARC AS A GROUP 3 MATERIAL WHICH EXHIBITS LIMITED EVIDENCE OF CARCINOGENICITY IN EXPERIMENTAL ANIMALS AND NO HUMAN DATA).

Effects of Overexposure:INGESTION: SWALLOWING LARGE AMOUNTS MAY BE HARMFUL, BY CAUSING GASTROINTESTINAL IRRITATION. INHALATION: BREATHING LARGE AMOUNTS MAY BE HARMFUL, BY CAUSING NOSE, THROAT, RESPIRATORY TRACT IRRITATION AND EFFECTING THE CENTRAL NERVOUS SYSTEM CAUSING DROWSINESS, DIZZINESS AND/OR POSSIBLE UNCONSCIOUSNESS. CHEMICAL

BURNS ARE POSSIBLE. EYES: IRRITANT.

LIQUID CONTACT WILL IRRITATE EYES AND MAY CAUSE STINGING, TERARING AND REDNESS. SKIN CONTACT: MAY CAUSE MILD IRRITATION OR REDNESS AND BURNING.

Medical Cond Aggravated by Exposure:MAY AGGRAVATE PREEXISTING DISEASES OF THE SKIN AND LIVER.

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

First Aid:INGESTION: SEEK MEDICAL ATTENTION IMMEDIATELY, IF INDIVIDUAL IS DROWSY OR UNCONSCIOUS. DO NOT GIVE ANYTHING BY MOUTH; PLACE

INDIVIDUAL ON LEFT SIDE WITH HEAD DOWN. IF CONSCIOUS, GIVE 1-2 GLASSES OF WATER. CONTACT PHYSICIAN FOR ADVICE ABOUT WHETHER TO INDUCE VOMITING. INHALATION: REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT GIVE OXYGEN; IF BREATHING HAS STOPPED, PERFORM ARTIFICIAL RESPIRATION. KEEP PERSON WARM & QUIET. SEEK MEDICAL ATTENTION. EYES: IRRIGATE IMMEDIATELY WITH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. SKIN: WASH WITH SOAP AND WATER

IF SYMPTOMS PERSISTS, SEEK MEDICAL ATTENTION.

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

Flash Point Method:TCC

Flash Point:NONE

Lower Limits:3.8

Upper Limits:7.5

Extinguishing Media:ALL CONVENTIONAL MEDIA ARE SUITABLE. NON-FLAMMABLE AEROSOL.

Fire Fighting Procedures:KEEP FIRE EXPOSED CONTAINERS COOL WITH WATER.

FIRE FIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE WITH APPROPR

IATE GEAR AND CHEMICAL RESISTANT PERSONAL PROTECTIVE EQUIPMENT.

Unusual Fire/Explosion Hazard:MATERIAL FORMS A FLAMMABLE MIXTURE WITH AIR IN A NARROW LFAMMABILITY RANGE (-3.8% - 7.5% VOLUME). CONTAINERS EXPOSED TO FLAME OR HIGH HEAT MAY EXPLODE. USE WATER TO COOL CONTAINERS. IN FIRE, TOXIC GA SES MAY BE RELEASED.

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

Spill Release Procedures:SMALL SPILL: ABSORB LIQUID ON VERMICULITE, FLOOR ABSORBENT, OR OTHER INERT ABSORBENT. PLACE IN SUITABLE LABELED CONTAINER FOR DISPOSAL. LARGE SPILL: VENTILATE AREA. ELIMINATE ALL IGNITION SOURCES. STO P SPILL AT SOURCE. PREVENT FROM ENTERING DRAINS, SEWERS, STREAMS. IF RUNOFF OCCURS, NOTIFY AUTHORITIES AS REQUIRED. PUMP/VACUUM TO CLEAN CONTAINERS FOR RECOVERY. DISPOSE CONTAMINATED ABSORBENT, SOIL.

Neutralizing Agent:NOT RELEVANT.

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

Handling and Storage Precautions:MATERIAL SHOULD BE STORED IN A COOL, DRY, WELL-VENTILATED AREA. AEROSOL CONTAINERS MAY EXPLODE WHEN EXPOSED TO TEMPERATURES AT OR ABOVE 120F. ALL METAL PAILS OR DRUMS SHOULD BE GROUNDED AND/OR BONDED WHEN MATERIAL IS TRANSFERRED.

Other Precautions:KEEP THIS AND ALL CHEMICALS OUT OF THE REACH OF CHILDREN. SINCE EMPTY CONTAINERS RETAIN PRODUCT RESIDUES, ALL HAZARD PRECAUTIONS GIVEN IN THE DATA SHEET MUST BE OBSERVED.

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

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Respiratory Protection:NOT REQUIRED UNDER CONDITIONS OF NORMAL USE. IF VAPOR/MIST IS RESENT USE NIOSH CERTIFIED ORGANIC VAPOR MASK.

Ventilation:LOCAL EXHAUST/HOOD OR FAN MAY BE USED; ADEQUATE VENTILATION IS EXTREMELY IMPORTANT.

Protective Gloves:VITRON OR NORFOIL GLOVES ARE RECOMMENDED.

Eye Protection:SAFETY CHEMICAL GLASSES AND SPLASH PROTECTION REQUIRED.

Other Protective Equipment:NONE REQUIRED UNDER NORMAL USE.

Work Hygienic Practices:PROPER VENTILATION IS REQUIRED, AVOID BREATHING

CONCENTRATED VAPORS/FUMES. ALL EQUIP-MENT SHOULD BE PROPERLY GROUNDED. TREAT THIS CHEMICAL WITH RESPECT AND FOLLOW ALL MSDS INSTRUCTIONS.

Supplemental Safety and Health

SUDDEN RELEASE OF HOT ORGANIC CHEMICAL VAPORS OR MISTS FROM PROCESS EQUIPMENT OPERATING AT ELEVATED TEMPERATURE MAY RESULT IN IGNITION.

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

HCC:V2

NRC/State Lic Num:NOT RELEVANT.

Boiling Pt:=71.1C, 160.F

Melt/Freeze Pt:M.P/F.P Text:NOT APPLICABLE.

Dec

omp Temp:Decomp Text:NOT PROVIDED.

Vapor Pres:111 MM HG @ 20C

Vapor Density:4.25

Spec Gravity:1.33

Viscosity:NOT PROVIDED.

Evaporation Rate & Reference:6.05 (N-BUTYL ACETATE=1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC ODOR.

Corrosion Rate:NOT PROVIDED.

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

Stability Indicator/Materials to Avoid:YES

NOT COMPATIBLE WITH CERTAIN PLASTICS & RUBBER, STRONG OXIDIZERS, STRONG

ACIDS. TEST ALL NON-METALLICS PRIOR TO USE.

Stability Condition to Avoid:SOURCES OF IGNITION SUCH AS SPARKS, HOT SPOTS, WELDING, FLAMES AND CIGARETTES, IGNITION/FLASH MAY RESULT IF CONCENTRATION OF PRODUCTS IS IN THE FLAMMABLE RANGE.

Hazardous Decomposition Products:MAY FORM HYDROGEN BROMIDE, BROMINE, AND OXIDES OF CARBON.

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

Toxicological Information:NOT PROVIDED.

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

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Ecological:NOT PROVIDED.

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

Waste Disposal Methods:TRIAGEN MAY BE DISPOSED OF AS AN INDUSTRIAL WASTE IN A MANNER ACCEPTABLE TO GOOD WASTE MANAGEMENT PRACTICES AND IN COMPLIANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.

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

Transport Information:DOT SHIPPING NAME: CONSUMER COMMODITY, ORM-D

===== Regulator  
y Information =====

SARA Title III Information:1,2-BUTYLENE OXIDE AND T-BUTANOL ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313. 1,3 BUTYLENE OXIDE IS A CERCLA REGULATED MATERIAL, RQ 100 LBS.

Federal Regulatory Information:ALL MATERIALS IN PRODUCT ARE TSCA LISTED.

State Regulatory Information:NOT PROVIDED.

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