

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

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Product Identification
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Product ID: TRIAGEN INDUSTRIAL METAL CLEANER

MSDS Date: 11/18/1997

FSC: 6850

NIIN: 01-450-6155

Status Code: A

MSDS Number: CJLTQ

==== Responsible Party ====

Company Name: ECOLINK INC

Address: 1481 ROCK MOUNTAIN BLVD

City: STONE MOUNTAIN

State: GA

ZIP: 30083

Country: US

Info Phone Num: 800-886-8240/770-621-824

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Emergency Phone Num: 800-535-5053

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

CAGE: 0WU71

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Composition/Information on Ingredients
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Ingred Name: N-PROPYL BROMIDE (1-BROMOPROPANE)

CAS: 106-94-5

RTECS #: TX4110000

Code: F

= Wt: 95.

Ingred Name: 1-BUTYLENE OXIDE

CAS: 106-88-7

RTECS #: EK3675000

< Wt: 5.

EPA Rpt Qty: 1 LB

DOT Rpt

Qty:1 LB

Ingred Name:DIMETHOXYMETHANE

CAS:109-87-5

RTECS #:PA8750000

< Wt:1.

OSHA PEL:3100 MG/M3;1000 PPM

ACGIH TLV:3110 MG/M3;1000 PPM

Ingred Name:T-BUTANOL

CAS:75-65-0

RTECS #:EO1925000

< Wt:1.

OSHA PEL:300 MG/M3;100 PPM

ACGIH TLV:303 MG/M3;100 PPM

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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: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. EYES-IRRITANT. LIQUID CONTACT WILL IRRITATE THE EYES. SKIN-MAY CAUSE MILD IRRITATION.

Explanation of Carcinogenicity:NO

Effects of Overexposure:INHALATION-DROWSINESS, DIZZINESS AND/OR

POSSIBLE UNCONSCIOUSNESS. CHEMICAL BURNS ARE POSSIBLE. EYES-MAY CAUSE STINGI

NG, TEARING AND REDNESS. SKIN-MAYCAUSE REDNESS AND BURNING.

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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 ON LEFT SIDE WITH HEAD DOWN. CONTACT MEDICAL FACILITY OR POISON CONTROL CENTE R 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 AND QUI ET. SEEK MEDICAL ATTENTION. EYES-IRRIGATE IMMEDIATELY WITH WATER FOR 15 MIN. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. SKIN-WASH WITH SOAP AND WATER. THOROUGHLY CLEAN CONTAMINATED CLOTHING/SHOES. SEEK MEDICAL AID.

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

Flash Point Method:TCC

Flash Point:NONE

Lower Limits:~4.6

Upper Limits:~7.8

Extinguishing Media:NONE REQUIRED.

Fire Fighting Pro

cedures:KEEP FIRE EXPOSED CONTAINERS COOL WITH WATER.

FIREFIGHTER SHOULD WEAR SCBA W/FULL FACEPIECE OPERATED IN POSITIVE PRESSURE DEMAND MODE W/ APPROPRIATE GEAR & CHEMICAL RESISTANT PERSONAL PROTECTIVE EQUI PMENT.

Unusual Fire/Explosion Hazard:MATERIAL FORMS A FLAMMABLE MIXTURE W/AIR IN A NARROW FLAMMABILTY RANGE (-3.8-7.5% BY VOL) CNTNR EXPO TO FLAME/HIGH HEAT MAY EXPLODE. USE H2O TOWATER TO COOL CONTAINERS. IN FIRE, TOXIC GASES MAY BE REL EASED.

===== A
ccidental 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 CONTAMINATED AREA. ELIMINATE ALL IGNITION S OURCES. PERSON NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL UNTIL CLEAN UP HAS BEEN COMPLETED. STOP SPILL AT SOURCE. PREVENT FROM ENTERING DRAINS, SEWERS, STREAMS, ETC.

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

Handling and Storage Precautions:MATERIAL SHOULD BE STORED IN A COOL DRY AREA. AEROSOL CONTAINERS MAY EXPLODE WHEN EXPOSED TO TEMPERATURES AT OR ABOVE 120F. SINCE EMPTY CONTAINERS RETAIN PRODUCT RESIDUES, ALL HAZARD PRECAUTIONS GIVEN IN THE DATA SHEET MUST BE OBSERVED.

Other Precautions:ALL METAL PAILS OR DRUMS SHOULD BE GROUNDED AND/OR BONDED WHEN MATERIAL IS TRANSFERRED. ANY USE OF THIS PRODUCT IN ELEVATED

TEMPERATURE PROCESSES SHOULD BE THOROUGHLY EVALUATED TO ESTABLISH AND MAINTAIN SAFE OPERATING CONDITIONS.

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

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

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

Protective Gloves: BUTYL RUBBER GLOVES.

Eye Protection: SAFETY CHEMICAL GLASSES AND SPLASH PROTECTION REQUIRED.

Other Protective Equipment: NONE REQUIRED UNDER NORMAL USE.

Work Hygienic Practices: PROVIDE VENTILATION IS REQUIRED. AVOID BREATHING CONCENTRATED VAPORS/FUMES. ALL EQUIPMENT SHOULD BE PROPERLY GROUNDED. TREAT THIS CHEMICAL WITH RESPECT AND FOLLOW ALL MSDS INSTRUCTIONS.

Supplemental Safety and Health

KEEP THIS AND ALL CHEMICALS OUT OF REACH OF CHILDREN.

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

HCC: V2

Boiling Pt: 71.1C, 160.F

Melt

/Freeze Pt: M.P/F.P Text: N/APPLICABLE

Vapor Pres: 111 MMHG @20C

Vapor Density: AIR=1: 4.2

Spec Gravity: H₂O-1: 1.33

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

Solubility in Water: NEGLIGIBLE (.25G/100) @20C

Appearance and Odor: CLEAN. COLORLESS LIQUID W/CHARACTERISTIC ODOR

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

Stability Indicator/Materials to Avoid: YES

NOT COMPATIBLE WITH CERTAIN PLASTICS AND RUBBER, STRONG OXIDIZERS, STRONG ACIDS. TEST ALL NON-METALLICS PRIOR TO USE.

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

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

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

Toxicological Information: THE MINOR INGREDIENT, 1,2-BUTYLENE OXIDE IS CLASSIFIED BY IARC AS A GROUP 3 MATERIAL WHICH E

XHIBITS LIMITED

EVIDENCE OF CARCINOGENICITY IN EXPERIMENTAL ANIMALS AND NO HUMAN DATA.

===== 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 REGULATION.

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

Transport Information: NOT DOR REGULATED. DOT HAZARD CLASS: ORM-D. DOT SHIPPING NAME: CONSUMER COMMODITY.

===== Regulatory 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 AS TSCA LISTED.

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

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