

ECOLINK INC -- TRIAGEN INDUSTRIAL METAL CLEANER #658 -- 6850-01-450-6155

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

Product ID: TRIAGEN INDUSTRIAL METAL CLEANER #658

MSDS Date: 08/06/1998

FSC: 6850

NIIN: 01-450-6155

Status Code: A

MSDS Number: CJDQT

=== Responsible Party ===

Company Name: ECOLINK INC

Address: 1481 ROCK MOUNTAIN BLVD

City: STONE MOUNTAIN

State: GA

ZIP: 30083

Country: US

Info Phone Num: 800-886-8240/7

70-621-8240

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

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

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: 1.

EPA Rpt Qty: 1 L

B
DOT Rpt Qty:1 LB

Ingred Name:DIMETHOXYMETHANE
CAS:109-87-5
RTECS #:PA8750000
< Wt:5.
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-SWALLOW
ING 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
CA
USE STINGING, TEARING AND REDNESS. SKIN-MAYCAUSE REDNESS AND
BURNING.
Medical Cond Aggravated by Exposure:MAY AGGRAVATE PREEXISTING DISEASE
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 ON
LEFT SIDE WITH HEAD DOWN. IF CONSCIOUS, GIVE 1-2 GLASSES OF WATER.
CONTACT MEDICAL FACILITY OR POISON CONTROL

CENTER 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 QUIET. 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.

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Fire Fighting Measures
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Flash Point Method:TCC

Flash Point:NONE

Lower Limits:-3.8

Upper Limits:-7.5

Extinguishing Media:ALL CONVENTIONAL MEDIA ARE SUITABLE

Fire Fighting Procedures: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 EQUIPMENT.

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

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Accidental Release Measures
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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 SOURCES. 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.

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Handling and Storage
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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. 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.

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===== 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:L

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:PROVIDE VENTILATION AS 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

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===== 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

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

Stability Indicators

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.

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

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Toxicological Information: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.

===== 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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