

SAN JUAN INTERNATIONAL,INC. -- ANTIFREEZE ETHYLENE GLYCOL,INHIBITED COOLANT,CID  
A-A-52624 -- 6850-01-441-3240

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

Product ID:ANTIFREEZE ETHYLENE GLYCOL,INHIBITED COOLANT,CID A-A-52624

MSDS Date:10/05/1998

FSC:6850

NIIN:01-441-3240

Status Code:A

MSDS Number: CJFLB

=== Responsible Party ===

Company Name:SAN JUAN INTERNATIONAL,INC.

Address:27 INDUSTRIAL DRIVE

City:TRENT

ON

State:NJ

ZIP:08619-3244

Country:US

Emergency Phone Num:609-586-9500/609-631-0744

Preparer's Name:ROBERTO FLORES

CAGE:1EJ92

=== Contractor Identification ===

Company Name:SAN JUAN INTERNATIONAL,INC.

Address:27 INDUSTRIAL DRIVE

City:TRENTON

State:NJ

ZIP:08619-3244

Country:US

Phone:609-586-9500

Contract Num:SP0450-99-M-C337

CAGE:1EJ92

Company Name:SAN JUAN INTERNATIONAL,INC.

Address:27 INDUSTRIAL DRIVE

City:TRENTON

State:NJ

ZIP:08619-3244

Country:US

Phone:609-586-9500

Contract Num:SP0450-99-MC72

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

Ingred Name:1,2-ETHYLENE GLYCOL  
CAS:107-21-1  
RTECS #:KW2975000  
= Wt:60.  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:C 50 PPM/125 MG/M3  
Code:F  
ACGIH TLV:50 PPM/125 MG/M3)  
ACGIH STEL:C127 MG/M3;C50 PPM  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:SODIUM TETRABORATE DECAHYDRATE  
CAS:1303-96-4  
RTECS #:VZ2275000  
= Wt:4.  
Other REC Limits:NONE RECOMMENDED  
ACGIH TLV:5 MG/M3

Ingred Name:SODIUM 2-MERCAPTOBENZOTHIAZOLE  
CAS  
:2492-26-4  
= Wt:.4  
Other REC Limits:NONE RECOMMENDED

Ingred Name:SODIUM PHOSPHATE, TRIBASIC  
CAS:7601-54-9  
RTECS #:TC9490000  
= Wt:.3  
Other REC Limits:NONE RECOMMENDED  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:POLYOXALKALENE DERIVATIVE OF TRIMETHYLOL PROPANE  
CAS:52624-57-4  
Code:F  
Fraction by Wt: TRACE

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

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health H

azards Acute and Chronic:TARGET ORGANS: EYES, SKIN, LIVER, KIDNEYS, CENTRAL NERVOUS SYSTEM, RESPIRATORY AND GASTROINTESTINAL TRACTS. ACUTE - EYES: MAY CAUSE IRRITATION, TRANSIENT CONJUNCTIVITIS. SKIN: NO EVIDENCE OF ADVERSE HEALTH EFFECTS. INHALE: HIGH VAPOR/AEROSOL CONCENTRATIONS MAY CAUSE NOSE AND THROAT IRRITATION, HEADACHE, DIZZINESS. INGESTION: MAY CAUSE ABDOMINAL DISCOMFORT, NAUSEA, VOMITING, HEADACHE, PAIN, MALAISE, UREMIA, DEPRESSION, KIDNEY DAMAGE. CHRONIC- UNKNOWN.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION, HEADACHE, DIZZINESS, NAUSEA, VOMITING, EYE REDNESS, TEARING, BLURRED VISION, PAIN

Medical Cond Aggravated by Exposure:PREEXISTING DISEASES OF THE EYES, SKIN, RESPIRATORY TRACT, LIVER, KIDNEY, CNS MAY BE AGGRAVATED BY OVEREXPOSURE TO THIS PRODUCT.

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

First Aid:CALL PHYSICIAN IF SYMPTOMS PERSIST. EYE: IMMEDIATELY FLUSH WITH WATER FOR SEVERAL MINUTES. HOLD EYELIDS OPEN. SKIN: FLUSH WITH PLENTY OF WATER. REMOVE CONTAMINATED CLOTHING. INHALED: MOVE TO FRESH AIR. ORAL: IF CONSCIOUS, DRINK TWO GLASSES OF WATER AND INDUCE VOMITING. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. NEVER GIVE FLUID OR INDUCE VOMITING IF PATIENT IS UNCONSCIOUS OR HAS CONVULSIONS.

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

Flash Point Method:TCC

Flash Point:121.1C, 250.F

Lower Limits:3.2 (ESTI

MAT

Upper Limits:15.3(ESTIMAT

Extinguishing Media:ALCOHOL FOAM, WATER FOG, FOAM, CO2 AND DRY CHEMICALS

Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. VENTILATE AREA. CONTAIN AND PICK UP SPILL WITH INERT ABSORBENT SUCH AS SAND, EARTH, VERMICULITE. PREVENT LIQUID FROM EN

TERING SEWERS OR WATERWAYS.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:STORE IN A COOL, DRY PLACE.

Other Precautions:AVOID BREATHING VAPORS. DO NOT GET IN EYES, ON SKIN  
OR ON CLOTHING. REMOVE CONTAMINATED CLOTHING PROMPTLY. LAUNDRER  
BEFORE REUSE. KEEP OUT OF REACH OF CHILDREN.

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

Respiratory Protection:WEAR NIOSH APPROVED BREATHING AIR EQUI  
PMENT OR

NIOSH APPROVED FACE MASK WITH ORGANIC VAPOR CARTRIDGE AND DUST OR  
MIST PRE-FILTER (NOT FOR USE IN FIRE FIGHTING)

Ventilation:GENERAL MECHANICAL ROOM VENTILATION.

Protective Gloves:RUBBER OR POLYVINYL CHLORIDE COATED

Eye Protection:MONOGOGGLES/FACE SHIELD

Other Protective Equipment:EYE BATH, SAFETY SHOWER, UNIFORM

Work Hygienic Practices:NONE PROVIDED BY MFR.

Supplemental Safety and Health

NONE PROVIDED BY MFR.

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

HCC:V5

Boiling Pt:=137.8C, 280.F

Melt/Freeze Pt:=-20.6C, -5.F

Vapor Pres:0.06 (MMHG)

Vapor Density:2.1(AIR=1)

Spec Gravity:1.13

pH:7.8

Viscosity:(20 DEG C CSI/15) 1.88

Evaporation Rate & Reference: