

=====MSDS=====

Safety Information

=====

[TOP](#)

FSC: 6850 NIIN: 00-135-2850 MSDS Date: 01/03/1995 MSDS Num: BXFPN

Submitter: D DG Tech Review: 07/10/1995 Status CD: C

Product ID: PEAK ANTIFREEZE AND COOLANT MFN: 02
Article: N Kit Part: N

Responsible Party Cage: 0U3B1
Name: OLD WORLD INDUSTRIES INC

Address: 4065 COMMERCIAL AVE
City: NORTHBROOK State: IL Zip: 60062-1851

Country: US
Info Phone Number: 708-559-2000
Emergency Phone Number: 800-424-9300

Preparer's Name: MICHAEL REED

Proprietary Ind: N Review Ind: Y
Published: Y Special Project CD: N

=====Contractor=====

Summary

=====

[TOP](#)

Cage:0U3B1 Name:OLD WORLD INDUSTRIES INC
Address:4065 COMMERCIAL AVE
City:NORTHBROOK State:IL Zip:60062-1851
Country:US Phone:847-559-2000/2116/FAX: 847-559-2173

=====Item=====

Description Information

=====

[TOP](#)

Item Manager: S9G
Item Name: ANTIFREEZE
Specification Number: N/R Type/Grade/Class: N/R
Unit of Issue: GL Quantitative Expression:
UI Container Qty: 0 Type of Container: CAN

=====Ingredients=====

Ingredients

=====

[TOP](#)

Cas: 107-21-1 Code: M RTECS #: KW2975000 Code: M

Name: ETHYLENE GLYCOL (SARA III)

% Text: 90-95 Environmental Wt:
Other REC Limits: NONE RECOMMENDED

OSHA PEL: NOT ESTABLISHED Code: M OSHA STEL: Code:
ACGIH TLV: C 50 PPM,VAPOR; 9394 Code: M N/P Code:

EPA Rpt Qty: 1 LB

ACGIH
STEL:
DOT Rpt 1 LB
Qty:

Ozone Depleting Chemical: N

Cas: 111-46-6

Code: M

RTECS #: ID5950000

Code: M

Name: DIETHYLENE GLYCOL

% Text: 0-5

Environmental Wt:

Other REC Limits: NONE RECOMMENDED

OSHA PEL: NOT ESTABLISHED

Code: M

OSHA
STEL:

Code:

ACGIH TLV: NOT ESTABLISHED

Code: M

ACGIH N/P
STEL:

Code:

EPA Rpt Qty:

DOT Rpt
Qty:

Ozone Depleting Chemical: N

Cas: 7758-11-4

Code: M

RTECS #:

Code: X

Name: POTASSIUM PHOSPHATE; DIBASIC

% Text: 1-2

Environmental Wt:

Other REC Limits: NONE RECOMMENDED

OSHA PEL: NOT ESTABLISHED

Code: M

OSHA
STEL:

Code:

ACGIH TLV: NOT ESTABLISHED

Code: M

ACGIH N/P
STEL:

Code:

EPA Rpt Qty:

DOT Rpt
Qty:

Ozone Depleting Chemical: N

Hazards Data

Health

[TOP](#)

LD50 LC50 Mixture ORAL LD50 (RAT) IS 6000-13,000 MG/KG

Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: YES

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Health Hazards Acute And Chronic

EYE-MAY CAUSE SLIGHT TRANSIENT EYE IRRITATION. SKIN-SKIN IRRITATION NOT LIKELY.
INGESTION-EXCESSIVE EXPOSURE MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS,
CARDIOPULMONARY EFFECTS & KIDNEY FAILURE. HOWEVER SWALLOWING LARGE AMOUNTS MAY
CAUSE SERIOUS INJURY, EVEN DEATH. INHALATION-HIGH TEMPERATURES MAY CAUSE SERIOUS INJURY.

Explanation Of Carcinogenicity

NONE OF THE COMPOUNDS IN THIS PRODUCT IS LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

Signs And Symptoms Of Overexposure

SIGNS AND SYMPTOMS OF EXCESSIVE EXPOSURE MAY BE NAUSEA AND/OR VOMITING.

Medical Cond Aggravated By Exposure

INDIVIDUALS WITH IMPAIRED RENAL FUNCTIONS.

First Aid

INHALATION: REMOVE TO FRESH AIR & CALL EMERGENCY MEDICAL ARE. IF NOT BREATHING GIVE CPR. IF HARD TO BREATHE GIVE OXYGEN. EYE: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR 15 MINUTES. CALL A PHYSICI AN. SKIN: WASH WITH PLENTY OF SOAP & WATER. REMOVE CONTAMINATED CLOTHING/SHOES. INGESTION: GIVE 2 GLASSES OF WATER & CALL PHYSICIAN. INDUCE VOMITING OF CONSCIOUS PATIENTS. RINSE OUT MOUTH FOR 5 MIN.

Spill Release Procedures

SMALL SPILL: SOAK UP WITH INERT MATERIAL. LARGE SPILL: DIKE & PUMP INTO SUITABLE CONTAINER FOR DISPOSAL. ENSURE COMPLIANCE WITH ALL APPLICABLE STATUES THAT REQUIRE NOTIFICATION OF APPROPRIATE GOVERNMEN T OFFICIALS.

Neutralizing Agent

NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods

DO NOT DISCHARGE TO SEWER. WEAR APPROPRIATE PROTECTION. TAKE UP WITH SAND, VERMICULITE OR SIMILIAR INERT MATERIAL. DISPOSE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

Handling And Storage Precautions

KEEP OUT OF REACH OF CHILDREN. PRODUCT MAY BECOME A SOLID AT ROOM TEMPERATURES BELOW -22C. DO NOT STORE NEAR FOOD, FOODSTUFFS, DRUGS OR WATER SUPPLIES

Other Precautions

PRODUCT ON SURFACE CAN CAUSE SLIPPERY CONDITIONS. PRACTICE REASONABLE CARE AND CLEANLINESS. AVOID BREATHING SPRAY MIST IF GENERATED.

===== Fire and

Explosion Hazard Information

=====

TOP

Flash Point Method: TCC

Flash Point: Flash Point Text: 245F,118C

Autoignition Temp: Autoignition Temp Text: 750F

Lower Limits: 3.2 Upper Limits: N/K

Extinguishing Media

WATER FOG OR FINE SPRAY. CARBON DIOXIDE. DRY CHEMICALS. DO NOT USE DIRECT WATER STREAM. MAY SPREAD FIRE.

Fire Fighting Procedures

WEAR POSITIVE PRESSURE, SELF-CONTAINED BREATHING APPARATUS & PROTECTIVE CLOTHING (INCLUDES FIRE FIGHTING HELMET, COAT, PANTS, BOOTS & GLOVES).

Unusual Fire/Explosion Hazard

ETHYLENE GLYCOL OR SOLUTIONS OF ETHYLENE GLYCOL & WATER CAN FORM FLAMMABLE VAPORS WITH AIR IF HEATED SUFFICIENTLY. KEEP PEOPLE AWAY. ISOLATE FIRE AREA.

===== Control

Measures

=====

TOP

Respiratory Protection

RESPIRATORY PROTECTION IS REQUIRED IF AIRBORNE CONCENTRATIONS EXCEED TLV. AT ANY DETECTABLE CONCENTRATION, ANY SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE AND OPERATED IN A PRESSURE-DEMA ND OR OTHER POSITIVE PRESSURE MODE.

Ventilation

USE GENERAL OR LOCAL EXHAUST VENTILATION TO MEET TLV REQUIREMENTS.

Protective Gloves

NEOPRENE, NITRILE, PVC OR NATURAL RUBBER

Eye Protection

SAFETY GOGGLES AND FACE SHIELD.

Other Protective Equipment

EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices

OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

DO NOT TAKE INTERNALLY. DO NOT GET ON SKIN OR IN EYES. AVOID PROLONGED OR REPEATED BREATHING OF VAPOR. DO NOT BREATHE MISTS. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING OR SMOKING OR USING REST ROOM.

Physical/Chemical Properties

[TOP](#)

HCC: N1

NRC/State LIC No: N/R

Net Prop WT For Ammo:

Boiling Point:

B.P. Text: 171–175C

Melt/Freeze Pt:

M.P/F.P Text: –8F,–22C

Decomp Temp:

Decomp Text: UNKNOWN

Vapor Pres: 0.1

Vapor Density: 2.1

Volatile Org Content %:

Spec Gravity: 1.12

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity: N/R

Evaporation Rate & Reference: NIL

Solubility in Water: COMPLETE

Appearance and Odor: GREEN LIQUID WITH A MILD ODOR.

Percent Volatiles by Volume: 97.0

Corrosion Rate: UNKNOWN

Data

Reactivity

[TOP](#)

Stability Indicator: YES

Stability Condition To Avoid: ISOLATE FROM OXIDIZERS, HEAT & OPEN FLAMES.

Materials To Avoid: ISOLATE FROM STRONG OXIDIZERS SUCH AS PERMANGANATES, CHROMATES & PEROXIDES.

Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE FROM BURNING.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization NOT APPLICABLE

:

[TOP](#)

=====

Toxicological Information

=====

Toxicological Information:N/P

=====

Ecological Information

=====

[TOP](#)

Ecological: N/P

=====

MSDS Transport Information

=====

[TOP](#)

Transport Information:N/P

=====

Regulatory Information

=====

[TOP](#)

Sara Title III Information: N/P

Federal Regulatory Information: N/P

State Regulatory Information: N/P

=====

Other Information

=====

[TOP](#)

Other Information: N/P

=====

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever expressly or implied warrants, states, or intends said information to have any application, use or viability by or to any person or persons outside the Department of Defense nor any person or persons contracting with any instrumentality of the United States of America and disclaims all liability for such use. Any person utilizing this instruction who is not a military or civilian employee of the United States of America should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation regardless of similarity to a corresponding Department of Defense or other government situation.