

MATERIAL SAFETY DATA SHEET

EQUILON MSDS: 1193E-00 03/02/99

SHELL ROTELLA ELC EXTENDED LIFE COOLANT/ANTIFREEZE

TELEPHONE NUMBER:

24 HOUR EMERGENCY ASSISTANCE

GENERAL MSDS ASSISTANCE

EQUIVA SERVICES: 877-276-7283

877-276-7285

CHEMTREC: 800-424-9300

NAME AND ADDRESS

EQUILON ENTERPRISES LLC

PRODUCT STEWARDSHIP

P.O. BOX 674414

HOUSTON, TX 77267-4414

SECTION I

NAME

PRODUCT: ROTELLA ELC

CHEM NAME: COOLANT

CHEM FAMILY: GLYCOL BASED COOLANT

SHELL CODE: 94041

HEALTH HAZARD: 2 FIRE HAZARD: 1 REACTIVITY: 0

SECTION II-A

PRODUCT/INGREDIENT

NO.	COMPOSITION	CAS NO.	PERCENT
P	ROTELLA ELC	MIXTURE	100
1	1,2 ETHANEDIOL	107-21-1	80-96
2	2-ETHYL- HEXANIOIC ACID	149-57-5	2-10
3	WATER/INORGANIC-ORGANIC SALTS/DYE	MIXTURE	2-10
3A	POTASSIUM HYDROXIDE	1310-58-3	<3
NFPA HAZARD RATING: HEALTH 2 FIRE 1 REACTIVITY 0			

SECTION II-B

ACUTE TOXICITY DATA

NO.	ACUTE ORAL LD50	ACUTE DERMAL LD50	ACUTE INHALATION LC50
1	*SEE NOTE (RAT)	>1-2 G/KG (RABBIT)	NOT DETERMINED
IRRITATION INDEX-ESTIMATION OF IRRITATION (SPECIES)*			
NO.	SKIN (RABBIT)	EYES (RABBIT)	SENSITIZATION (GUINEA PIG)
1	DRAIZE >0.50-3/8 SLIGHTLY IRRITATING	DRAIZE >15-25/110 SLIGHTLY IRRITATING	NOT DETERMINED
* NOTE: ANIMAL DATA DOES NOT REFLECT HUMAN TOXICITY, SEE SECTION VI			

SECTION III

HEALTH INFORMATION

THE HEALTH EFFECTS NOTED BELOW ARE CONSISTENT WITH REQUIREMENTS UNDER THE OSHA

HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200).

EYE CONTACT: MAY CAUSE IRRITATION, EXPERIENCED AS MILD DISCOMFORT AND SEEN AS SLIGHT EXCESS REDNESS OF THE EYE.

SKIN CONTACT: BRIEF CONTACT MAY CAUSE SLIGHT IRRITATION. PROLONGED CONTACT, AS WITH CLOTHING WETTED WITH MATERIAL, MAY CAUSE MORE SEVERE IRRITATION AND DISCOMFORT, SEEN AS LOCAL REDNESS AND SWELLING. OTHER THAN THE POTENTIAL SKIN IRRITATION EFFECTS NOTED ABOVE, ACUTE (SHORT TERM) ADVERSE EFFECTS ARE NOT EXPECTED FROM BRIEF SKIN CONTACT; SEE OTHER EFFECTS, BELOW, AND SECTION VI FOR INFORMATION REGARDING POTENTIAL LONG TERM EFFECTS.

INHALATION: VAPORS EXPOSURES, IN EXCESS OF PERMISSIBLE CONCENTRATIONS, ARE MILDLY TO MARKEDLY IRRITATING TO THE LUNGS DEPENDING ON EXPOSURE LEVEL. IN UNUSUALLY HIGH CONCENTRATIONS GENERATED FROM SPRAYING, HEATING THE MATERIAL OR AS FROM EXPOSURE IN POORLY VENTILATED AREAS OR CONFINED SPACES, MAY CAUSE IRRITATION OF THE NOSE AND THROAT, HEADACHE, NAUSEA, AND DROWSINESS.

INGESTION: PRODUCT MAY BE HARMFUL OR FATAL IF SWALLOWED; MAY PRODUCE CENTRAL

NERVOUS SYSTEM (CNS) DEPRESSION AND KIDNEY DAMAGE WHICH MAY BE FATAL. INGESTION OF COMPONENT 2 MAY ALSO PRODUCE LIVER DAMAGE.

SIGNS AND SYMPTOMS: IRRITATION AS NOTED ABOVE. EARLY TO MODERATE CNS DEPRESSION MAY BE EVIDENCED BY GIDDINESS, HEADACHE, DIZZINESS AND NAUSEA; IN EXTREME CASES, UNCONSCIOUSNESS AND DEATH MAY OCCUR. KIDNEY DAMAGE MAY BE EVIDENCED BY CHANGES IN URINE OUTPUT, URINE APPEARANCE OR EDEMA (SWELLING FROM FLUID RETENTION). LIVER DAMAGE MAY BE EVIDENCED BY LOSS OF APPETITE, JAUNDICE (YELLOWISH SKIN COLOR) AND SOMETIMES PAIN IN THE UPPER ABDOMEN ON THE RIGHT SIDE.

AGGRAVATED MEDICAL CONDITIONS:

PREEXISTING SKIN, EYE, AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT. IMPAIRED KIDNEY AND LIVER FUNCTIONS FROM PREEXISTING DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

OTHER HEALTH EFFECTS:

INTENTIONAL ABUSE, MISUSE OR OTHER MASSIVE EXPOSURE MAY CAUSE MULTIPLE ORGAN

DAMAGE AND/OR DEATH.

SEE SECTION VI FOR ADDITIONAL INFORMATION.

SECTION IV

OCCUPATIONAL EXPOSURE LIMITS

COMP	OSHA		ACGIH		OTHER
NO.	PEL/TWA	PEL/CEILING	TLV/TWA	TLV/STEL	
P	NONE ESTABLISHED				
1		125MG/M3*		100MG/M3*	

* CEILING (AEROSOL)

SECTION V

EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15

MINUTES WHILE HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION.
SKIN CONTACT: FLUSH SKIN WITH WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION.
INHALATION: REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION.
INGESTION: IF PERSON IS CONSCIOUS AND CAN SWALLOW, IMMEDIATELY GIVE TWO GLASSES (I.E., 16 OZ.) OF WATER BUT DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO A UNCONSCIOUS OR CONVULSING PERSON. GET MEDICAL ATTENTION.
NOTE TO PHYSICIAN: *IF VICTIM IS A CHILD, GIVE NO MORE THAN 1 GLASS OF WATER AND 15CC (1 TABLESPOON) SYRUP OF IPECAC. IF SYMPTOMS SUCH AS LOSS OF GAG REFLEX, CONVULSIONS OR UNCONSCIOUSNESS OCCUR

BEFORE EMESIS, GASTRIC LAVAGE SHOULD BE CONSIDERED FOLLOWING INTUBATION WITH A CUFFED ENDOTRACHEAL TUBE.
ETHYLENE GLYCOL (EG) AND DIETHYLENE GLYCOL (DEG) INTOXICATION MAY INITIALLY PRODUCE BEHAVIORAL CHANGES, DROWSINESS, VOMITING, DIARRHEA, THRIST, AND CONVULSIONS. EG AND DEG ARE NEPHROTOXIC. END STAGES OF POISONING MAY INCLUDE RENAL DAMAGE OR FAILURE WITH ACIDOSIS. SUPPORTIVE MEASURES, SUPPLEMENTED WITH HEMODIALYSIS IF INDICATED, MAY LIMIT THE PROGRESSION AND SEVERITY OF TOXIC EFFECTS. FOR ETHYLENE GLYCOL POISONING INTRAVENOUS ETHANOL IS A RECOGNIZED ANTIDOTAL TREATMENT; OTHER ANTIDOTAL TREATMENTS ALSO EXIST FOR EG POISONING. FOR DIETHYLENE GLYCOL POISONING THE ROLE OF INTRAVENOUS ETHANOL IN THE TREATMENT IS UNCLEAR BUT IT MAY BE OF BENEFIT IN THE VIEW OF STRUCTURAL AND TOXICOLOGICAL SIMILARITIES TO ETHYLENE GLYCOL. CONTACT A POISON CENTER FOR FURTHER TREATMENT INFORMATION.
ASPIRATION OF THIS PRODUCT DURING INDUCED EMESIS MAY RESULT IN SEVERE LUNG INJURY. IF EVACUATION OF STOMACH IS NECESSARY, USE METHOD LEAST LIKELY TO CAUSE ASPIRATION, SUCH AS GASTRIC LAVAGE AFTER ENDOTRACHEAL INTUBATION. CONTACT A POISON CENTER FOR ADDITIONAL TREATMENT INFORMATION.

SECTION VI

SUPPLEMENTAL HEALTH INFORMATION

RARE CASE REPORTS OF ETHYLENE GLYCOL SENSITIZATION (ALLERGY) HAVE BEEN PUBLISHED BUT ALLERGY TO ETHYLENE GLYCOL IS NOT A COMMON PHENOMENON. IN ONE STUDY, WHEN ETHYLENE GLYCOL WAS ADMINISTERED IN THE DIET AT DAILY DOSES UP TO 1.0 G/KG TO PREGNANT RATS, NO MATERNAL TOXICITY, NO EMBRYOTOXICITY NOR TERATOGENICITY WERE OBSERVED. IN A MORE RECENT STUDY, WHEN ETHYLENE GLYCOL WAS ADMINISTERED BY GAVAGE AT DAILY DOSES OF 1.25 G/KG AND ABOVE TO PREGNANT RATS, OR AT 750 MG/KG AND ABOVE TO PREGNANT MICE, THERE WAS AN INCREASE IN THE NUMBER OF MALFORMED FETUSES AT ALL DOSE LEVELS. EXCEPT AT THE LOWEST DOSE LEVEL IN MICE, THERE WAS ALSO EVIDENCE OF MATERNAL TOXICITY AT ALL DOSE LEVELS. IN ONE STUDY, DIETHYLENE GLYCOL ADMINISTERED ORALLY AT HIGH DOSES TO PREGNANT RATS AND MICE CAUSED TOXICITY TO THE EMBRYOFETUS INCLUDING DECREASED FETAL BODY WEIGHTS AND INCREASED VARIATIONS, BUT NO BIRTH DEFECTS WERE OBSERVED. THERE WAS ALSO MATERNAL TOXICITY INCLUDING SOME LETHALITY. IN ANOTHER STUDY, DIETHYLENE GLYCOL ADMINISTERED TO HAMSTERS BY I.P. INJECTION

AT DOSES OF 2.5 - 4.48 G/KG ON THE 8TH DAY OF GESTATION RESULTED IN NEURAL TUBE ABNORMALITIES IN ALL DOSE GROUPS BUT NOT IN THE CONTROLS. THERE WAS EVIDENCE OF MATERNAL TOXICITY IN TREATED ANIMALS. UNDER THE CONDITIONS OF THIS STUDY, DEG CAUSED DEVELOPMENTAL EFFECTS IN HAMSTERS. THE SIGNIFICANCE OF THIS INFORMATION TO MAN IS UNKNOWN.

SECTION VII

PHYSICAL DATA

BOILING POINT (DEG F):	SPECIFIC GRAVITY (H2O = 1):	VAPOR PRESSURE (MM HG):
228	1.13	NOT AVAILABLE
MELTING POINT (DEG F):	SOLUBILITY IN WATER:	VAPOR DENSITY (AIR = 1):
-34	>10%	2.1
POUR POINT (DEG F):	VISCOSITY:	PH (UNDILUTED PRODUCT)
-40	8 CST@ 104 F	8.3

EVAPORATION RATE (NORMAL BUTYL ACETATE = 1): NOT DETERMINED
APPEARANCE AND ODOR: RED, SLIGHTLY VISCOUS LIQUID. MILD ODOR.

SECTION VIII

FIRE AND EXPLOSION HAZARDS

FLASH POINT AND METHOD: 246 DEG. F SETAFLASH
FLAMMABLE LIMITS/PERCENT VOLUME IN AIR: LOWER: N/AP HIGHER: N/AP
EXTINGUISHING MEDIA:
USE WATER FOG, "ALCOHOL" FOAM, DRY CHEMICAL OR CO2.
SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS:
MATERIAL WILL NOT BURN UNLESS PREHEATED. DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR (HELMET WITH FACE SHIELD, BUNKER COATS, GLOVES AND RUBBER BOOTS), INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
NONE IDENTIFIED

SECTION IX

REACTIVITY

STABILITY: STABLE HAZARDOUS POLYMERIZATION WILL NOT OCCUR
CONDITIONS AND MATERIALS TO AVOID:
KEEP AWAY FROM STRONG OXIDIZING AGENTS.
HAZARDOUS DECOMPOSITION PRODUCTS:
PRODUCTS EVOLVED WHEN SUBJECTED TO HEAT OR COMBUSTION: TOXIC LEVELS OF CARBON MONOXIDE, CARBON DIOXIDE, IRRITATING ALDEHYDES AND KETONES, AND COMBUSTION PRODUCTS OR COMPOUNDS OF POTASSIUM.

SECTION X

EMPLOYEE PROTECTION

RESPIRATORY PROTECTION:

IF EXPOSURE MAY OR DOES EXCEED OCCUPATIONAL EXPOSURE LIMITS (SEC. IV) USE A NIOSH-APPROVED RESPIRATOR TO PREVENT OVEREXPOSURE. IN ACCORD WITH 29 CFR 1910.134 USE EITHER AN ATMOSPHERE-SUPPLYING RESPIRATOR OR AN AIR-PURIFYING

RESPIRATOR FOR ORGANIC VAPORS.
PROTECTIVE CLOTHING
AVOID CONTACT WITH EYES. WEAR CHEMICAL GOGGLES IF THERE IS LIKELIHOOD OF CONTACT WITH EYES. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. WEAR CHEMICAL RESISTANT GLOVES AND OTHER CLOTHING AS REQUIRED TO MINIMIZE CONTACT.

TEST DATA FROM PUBLISHED LITERATURE AND/OR GLOVE AND CLOTHING MANUFACTURERS

INDICATE THE BEST PROTECTION IS PROVIDED BY NITRILE, NEOPRENE, PVC OR NATURAL

RUBBER GLOVES.

ADDITIONAL PROTECTIVE MEASURES:

USE VENTILATION AS REQUIRED TO CONTROL VAPOR CONCENTRATIONS. EYE WASH FOUNTAINS AND SAFETY SHOWERS SHOULD BE AVAILABLE FOR EMERGENCY USE.

SECTION XI

ENVIRONMENTAL PROTECTION

SPILL OR LEAK PROCEDURES:

MAY BURN ALTHOUGH NOT READILY IGNITABLE. USE CAUTIOUS JUDGMENT WHEN CLEANING

UP LARGE SPILLS. *** LARGE SPILLS *** WEAR RESPIRATOR AND PROTECTIVE CLOTHING AS APPROPRIATE. SHUT OFF SOURCE OF LEAK IF SAFE TO DO SO. DIKE AND

CONTAIN. REMOVE WITH VACUUM TRUCKS OR PUMP TO STORAGE/SALVAGE VESSELS. SOAK

UP RESIDUE WITH AN ABSORBENT SUCH AS CLAY, SAND OR OTHER SUITABLE MATERIAL; DISPOSE OF PROPERLY. FLUSH AREA WITH WATER TO REMOVE TRACE RESIDUE. *** SMALL SPILLS *** TAKE UP WITH AN ABSORBENT MATERIAL AND DISPOSE OF PROPERLY.

SECTION XII

SPECIAL PRECAUTIONS

STORE IN A COOL, DRY PLACE WITH ADEQUATE VENTILATION. KEEP AWAY FROM FLAMES AND HIGH TEMPERATURES.

WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

SECTION XIII

TRANSPORTATION REQUIREMENTS

DEPARTMENT OF TRANSPORTATION CLASSIFICATION:

NOT REGULATED

DOT PROPER SHIPPING NAME: N/A

IMDG: PROPER SHIPPING NAME: NOT REGULATED

ICAO: PROPER SHIPPING NAME: NOT REGULATED

TDG: PROPER SHIPPING NAME: NOT REGULATED

OTHER REQUIREMENTS: REGULATED ONLY IN PACKAGES THAT CONTAIN 5000 LBS. OR GREATER OF ETHYLENE GLYCOL, AND THE DOT INFORMATION MUST BE ACCOMPANIED WITH RQ NOTATION. SUGGESTED SHIPPING NAME: OTHER REGULATED SUBSTANCES, LIQUID, N.O.S. (CONTAINS ETHYLENE GLYCOL), 9, NA3082, III, RQ (ETHYLENE GLYCOL, POTASSIUM HYDROXIDE, SODIUM NITRITE).

SECTION XIV

OTHER REGULATORY CONTROLS

THE COMPONENTS OF THIS PRODUCT ARE LISTED ON THE EPA/TSCA INVENTORY OF CHEMICAL

SUBSTANCES. STATUS ON OTHER INVENTORIES HAS NOT BEEN DETERMINED.

WHMIS CLASSIFICATION:

CLASS D, DIV 1, SUBDIV B: TOXIC

CLASS D, DIV 2, SUBDIV A: TERATOGENIC

CLASS D, DIV 2, SUBDIV B: CHRONIC TOXIC EFFECTS

EXPORT NOTIFICATION (TSCA 12(B)) MAY BE REQUIRED, CONTAINS: DIETHYLENE GLYCOL,

MONOBUTYL ETHER.

PROTECTION OF STRATOSPHERIC OZONE (PURSUANT TO SECTION 611 OF THE CLEAN AIR ACT

AMENDMENTS OF 1990): PER 40 CFR PART 82, THIS PRODUCT DOES NOT CONTAIN NOR WAS

IT DIRECTLY MANUFACTURED WITH ANY CLASS I OR CLASS II OZONE DEPLETING SUBSTANCES.

IN ACCORDANCE WITH SARA TITLE III, SECTION 313, THE ATTACHED ENVIRONMENTAL DATA

SHEET (EDS) SHOULD ALWAYS BE COPIED AND SENT WITH THE MSDS.

SECTION XV

STATE REGULATORY INFORMATION

THE FOLLOWING CHEMICALS ARE SPECIFICALLY LISTED BY INDIVIDUAL STATES; OTHER PROD

UCT SPECIFIC HEALTH AND SAFETY DATA IN OTHER SECTIONS OF THE MSDS MAY ALSO BE AP

PLICABLE FOR STATE REQUIREMENTS. FOR DETAILS ON YOUR REGULATORY REQUIREMENTS YO

U SHOULD CONTACT THE APPROPRIATE AGENCY IN YOUR STATE.

STATE LISTED COMPONENT	CAS NO	PERCENT	STATE CODE
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ETHYLENE GLYCOL	107-21-1	90-96	CA, CT, FL, IL, LA, MA, ME, MN, NJ, PA, RI
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CA = CALIFORNIA HAZ. SUBST. LIST; CA65C, CA65R, CA65C/R = CALIFORNIA SAFE DRINKING WATER AND TOXICS ENFORCEMENT ACT OF 1986 OR PROPOSITION 65 LIST; CT

CONNECTICUT TOX. SUBST. LIST; FL = FLORIDA SUBST. LIST; IL = ILLINOIS TOX. SUBST. LIST; LA = LOUISIANA HAZ. SUBST. LIST; MA = MASSACHUSETTS SUBST. LIST; ME = MAINE HAZ. SUBST. LIST; MN = MINNESOTA HAZ. SUBST. LIST; NJ = NEW JERSEY HAZ. SUBST. LIST; PA = PENNSYLVANIA HAZ. SUBST. LIST; RI = RHODE ISLAND HAZ. SUBST. LIST.

SECTION XVI

SPECIAL NOTES

NEW MSDS

THE INFORMATION CONTAINED IN THIS DATA SHEET IS BASED ON THE DATA AVAILABLE TO US AT THIS TIME, AND IS BELIEVED TO BE ACCURATE BASED UPON THAT DATA. IT IS

PROVIDED INDEPENDENTLY OF ANY SALE OF THE PRODUCT, FOR PURPOSE OF HAZARD COMMUNICATION. IT IS NOT INTENDED TO CONSTITUTE PRODUCT PERFORMANCE INFORMATION, AND NO EXPRESS OR IMPLIED WARRANTY OF ANY KIND IS MADE WITH RESPECT TO THE PRODUCT, UNDERLYING DATA OR THE INFORMATION CONTAINED HEREIN. YOU ARE URGED TO OBTAIN DATA SHEETS FOR ALL PRODUCTS YOU BUY, PROCESS, USE OR DISTRIBUTE, AND ARE ENCOURAGED TO ADVISE THOSE WHO MAY COME IN CONTACT WITH SUCH PRODUCTS OF THE INFORMATION CONTAINED HEREIN.

TO DETERMINE THE APPLICABILITY OR EFFECT OF ANY LAW OR REGULATION WITH RESPECT TO THE PRODUCT, YOU SHOULD CONSULT WITH YOUR LEGAL ADVISOR OR THE APPROPRIATE GOVERNMENT AGENCY. WE WILL NOT PROVIDE ADVICE ON SUCH MATTERS, OR BE RESPONSIBLE FOR ANY INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN. THE UNDERLYING DATA, AND THE INFORMATION PROVIDED HEREIN AS A RESULT OF THAT DATA, IS THE PROPERTY OF EQUIVA SERVICES, LLC AND IS NOT TO BE THE SUBJECT OF SALE OR EXCHANGE WITHOUT THE EXPRESS WRITTEN CONSENT OF EQUIVA SERVICES, LLC.

ENVIRONMENTAL DATA SHEET
EQUILON EDS: 1193E

SHELL ROTELLA ELC EXTENDED LIFE COOLANT/ANTIFREEZE

TELEPHONE NUMBER:

24 HOUR EMERGENCY ASSISTANCE

EQUIVA SERVICES: 877-276-7283

CHEMTREC: 800-424-9300

GENERAL MSDS ASSISTANCE

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NAME AND ADDRESS

EQUILON ENTERPRISES

PRODUCT STEWARDSHIP

P.O. BOX 674414

HOUSTON, TX 77267-4414

PRODUCT CODE: 94041

SECTION I

PRODUCT COMPOSITION

NO.	COMPOSITION	CAS	PERCENT
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2	2-ETHYL- HEXANOIC ACID	149-57-5	2-5
3	WATER/INORGANIC-ORGANIC SALTS/DYE	MIXTURE	2-5
3A	POTASSIUM HYDROXIDE	1310-58-3	<3
NFPA HAZARD RATING: HEALTH 2		FIRE 1	REACTIVITY 0

SECTION II

SARA TITLE III INFORMATION

NO. EHS RQ EHS TPQ SEC-313 313 CATEGORY 311/312 CATEGORY

	(*1)	(*2)	(*3)	(*4)	(*5)
P					H-1, H-2
1			YES		

- *1 = REPORTABLE QUANTITY OF EXTREMELY HAZARDOUS SUBSTANCE, SEC 302
- *2 = THRESHOLD PLANNING QUANTITY, EXTREMELY HAZARDOUS SUBSTANCE, SEC 302
- *3 = TOXIC CHEMICAL, SEC 313
- *4 = CATEGORY AS REQUIRED BY SEC 313 (40 CFR 372.65 C), MUST BE USED ON TOXIC RELEASE INVENTORY FORM
- *5 = CATEGORY (FOR AGGREGATE REPORTING REQUIREMENTS UNDER SARA 311, 312)
 - HEALTH: H-1 = IMMEDIATE (ACUTE) HEALTH HAZARD
 - H-2 = DELAYED (CHRONIC) HEALTH HAZARD
 - PHYSICAL: P-3 = FIRE HAZARD
 - P-4 = SUDDEN RELEASE OF PRESSURE HAZARD
 - P-5 = REACTIVE HAZARD

SECTION III ENVIRONMENTAL RELEASE INFORMATION

EPA - COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT. UNDER EPA-CERCLA ("SUPERFUND") RELEASES TO AIR, LAND OR WATER WHICH EXCEED THE REPORTABLE QUANTITY MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER, 800-424-8802.

THE REPORTABLE QUANTITY (RQ) FOR A RELEASE OF THIS PRODUCT IS 5,000 LBS., WHICH IS BASED ON THE PRESENCE OF COMPONENT #1. 30,000 LBS OF COMPONENT 3A. RQ RELEASE OF SODIUM NITRITE WILL OCCUR WHEN 60,000 LBS OF PRODUCT IS SPILLED.

SECTION IV RCRA INFORMATION

THIS PRODUCT HAS BEEN EVALUATED FOR RCRA CHARACTERISTICS AND DOES NOT MEET THE CRITERIA OF A HAZARDOUS WASTE IF DISCARDED IN IT'S PURCHASED FORM. UNDER RCRA, IT IS THE RESPONSIBILITY OF THE USER OF THE PRODUCT TO DETERMINE AT THE TIME OF DISPOSAL, WHETHER THE PRODUCT MEETS RCRA CRITERIA FOR HAZARDOUS WASTE. PLACE IN AN APPROPRIATE DISPOSAL FACILITY IN COMPLIANCE WITH LOCAL REGULATIONS.

REMARKS:

TO PREVENT CONTAMINATION OF DRINKING WATER SUPPLIES, AND POISONING CHILDREN, AQUATIC LIFE, WILDLIFE, AND FARM AND DOMESTIC ANIMALS, ETHYLENE GLYCOL PRODUCTS SUCH AS ANTIFREEZE SOLUTION, REGARDLESS OF QUANTITY, SHOULD NEVER BE DISCARDED ONTO THE GROUND, INTO SURFACE WATERS, OR INTO STORM SEWERS.

THE INFORMATION CONTAINED HEREIN IS BASED ON THE DATA AVAILABLE TO US AND IS BELIEVED TO BE CORRECT. HOWEVER, SHELL MAKES NO WARRANTY, EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. SHELL ASSUMES NO RESPONSIBILITY FOR INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN.

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FOR ADDITIONAL INFORMATION ON THIS ENVIRONMENTAL DATA PLEASE CALL

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