



MATERIAL SAFETY DATA SHEET

Product Identification

Product Name: Mc-Rix Top Up Plus Premix Radiator Coolant.

PHYSICAL DATA

Boil Point	Freeze Point	Gravity	Vapor Pressure	Vapor Density	Evap Rate	% Volatile	Solubility
N/A	N/A	N/A	N/A	N/A	N/A	<25	100

Odor and Appearance: CLEAR, DARK GREEN LIQUID

INGREDIENTS

Material Name	Percentage	TLV	Hazard	CAS Number
ETHYLENE GLYCOL*	Not Available	-----	TOXIC	107-21-1
2-ETHYL HEXANOIC ACID	As Per Our Formula	-----	NON TOXIC	149-57-5
SYNTHETIC POLYMERS & CORROSION INHIBITORS	As Per Our Formula	-----	NON TOXIC	-----
D.M Water	85%		NON TOXIC	7732-18-5
Dye - Green	>2%		NON TOXIC	N/A

Note* THIS CHEMICAL IS SUBJECT TO THE REPROTING REQUIREMENTS OF SARA TITLE 1: III SECTION 313.

FIRE AND EXPLOSION HAZARD DATA

Flash Point	LEL	UEL
N/A	N/A	N/A

Extinguishing Media Unusual Fire & Explosion Hazards
UNDER NORMAL CONDITIONS THIS PRODUCT WILL NOT SUPPORT COMBUSTION.

HEALTH HAZARD DATA

Acute Effects N/A

MAY CAUSE ABDOMINAL DISCOMFORT & PAIN, DIZZINESS, FATIGUE,

Swallowing

VOMITING, UREMIA AND CENTRAL NERVOUS SYSTEM DEPRESSION.

Inhalation

MAY CAUSE IRRITATION IN THROAT ,HEADACHES, VOMITING NAUSEA,
DIZZINESS

Skin Contact

NONE CURRENTLY KNOWN

Eye contact

LIQUID VAPORS AND MISTS MAY PRODUCE SIGNS OF CENTRAL NERVOUS SYSTEM
EFFECTS , DIZZINESS.

Chronic Effects

INHALATION OF MISTS MAY PRODUCE SIGNS OF CENTRAL NERVOUS SYSTEM
EFFECTS , PARTICULARLY DIZZINESS.

Other Hazards

SWALLOWING MAY CAUSE SEVERE KIDNEY DAMAGE.

EMERGENCY FIRST AID PROCEDURES

Swallowing

IF PERSON IS CONSCIOUS GIVE TWO GLASSES OF WATER OR MILK AND INDUCE VOMITING .
CONTACT PHYSICIAN IMMEDIATELY.

Inhalation

REMOVE TO FRESH AIR. CALL A PHYSICIAN IF DISCOMFORT PERSISTS.

Skin contact

FLUSH SKIN WITH WATER AND REMOVE CONTAMINATED CLOTHING, LAUNDER BEFORE REUSE.

Eye contact

FLUSH WITH WATER IMMEDIATELY FOR A MINIMUM OF 15 MINUTES LIFTING UPPER
AND LOWER LIDS OCCASIONALLY. GET MEDICAL ATTENTION.



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Primary

INGESTION THE PRINCIPLE TOXIC EFFECT OF THIS MATERIAL WHEN SWALLOWED WILL BE DUE TO THE ETHYLENE GLYCOL CONTENT, WHICH CAUSE KIDNEY DAMAGE.

Note to Physician

EARLY ADMINISTRATION OF ETHANOL MAY BLOCK THE FORMATION OF NEPHROTOXIC METABOLITIS OF ETHYLENE GLYCOL IN THE LIVER. ETHANOL SHOULD BE GIVEN INTRAVENOUSLY, AS A 5% SOLUTION IN SODIUM BICABONATE AT A RATE OF 10 ML ETHANOL PER HOUR. HEMODIALYSIS MAY BE REQUIRE.

REACTIVITY DATA

Stability STABLE

Conditions to Avoid: NONE

Materials to Avoid: NONE

Hazardous Decom Prod: CARBON MONOXIDE/CARBON DIOXIDE

Hazardous Polymerization: WILL NOT OCCUR

Additional Cond to Avoid: NONE

SPILL OR LEAK PROCEDURES

Step if spilled: WEAR SUITABLE PROTECTIVE EQUIPMENT. SMALL SPILLS SHOULD BE FLUSHED WITH LARGE QUANTITIES OF WATER. LARGER SPILLS SHOULD BE COLLECTED FOR DISPOSAL.

Waste Disposal Method: INCINERATE IN A FURNACE WHERE PERMITTED UNDER APPROPRIATE REGULATIONS.ABOVE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

SPECIAL PROTECTION INFORMATION

Respiratory Protection N/A.

Ventilation LOCAL EXHAUST

Impervious Gloves N/A

Other PPE/A

SPECIAL PRECAUTIONS

Storage & Handling Precautions: MAY BE FATAL IF SWALLOWED. DO NOT BREATH MIST. AVOID PROLONGED OR REPEATED BREATHING OF VAPORS. AVOID CONTACT WITH EYES. WASH THOROUGHLY AFTER HANDLING.

Other Precautions: WHERE HEAVY CONCENTRATION OF A FINE MIST IS PRESENT, A RESPIRATOR SHOULD BE USED TO PREVENT INHALING MIST PARTICLES.

HMIS RATINGS

Health	2
Flammability	0
Reactivity	0
Personal Protective Equipment	B

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