

MATERIAL SAFETY DATA SHEET

CORTRON RN-357

SECTION 1 - IDENTIFICATION

IBM 11315

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EMERGENCY TELEPHONE NUMBERS
 1-281-431-2561
 1-800-424-9300 CHEMTREC
 1-703-527-3887 CHEMTREC -
 International

Trade Name: CORTRON RN-357
 Chemical Family: PROPRIETARY
 CAS No.: PROPRIETARY Current as of: 11/07/02 By: L. ORESCHNIGG

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

Hazardous Components	CAS No.	Wt. %	PEL/STEL
# METHANOL	67-56-1	30-40	200/250ppm
# ETHYLENE GLYCOL	107-21-1	20-30	50ppm/ND

Denotes a chemical subject to the reporting requirements of SARA Title III section 313 of 1986 and 40 CFR part 372.

SARA Title III Hazard Categories: 1,3

The components of this product are listed on the EPA/TSCA Inventory

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point, F:	ND	Specific Gravity (H2O=1):	0.9572-.9872
Vapor Pressure (mm Hg):	ND	Evaporation Rate:	ND
Vapor Density (Air=1):	ND	(butyl acetate=1)	
pH:	4.8-5.8	Viscosity:	10-20 CPS
Solubility in Water:	SOLUBLE		
Appearance and Odor:	DARK BROWN LIQUID		

SECTION 4 - FIRE & EXPLOSION DATA

Flash Point, F & Method	Flammable Limits:	LEL, % 6
56 PMCC	Based on: METHANOL	UEL, % 36.5

FIRE HAZARDS:

Flammable materials may be ignited by heat, sparks or flames. Vapors may travel to a source of ignition and flash back. Containers may rupture in heat or fire. Vapors are an ignitability hazard indoors, outdoors, or in sewers. Runoff to a sewer may create a fire hazard.

EXTINGUISHING MEDIA:

Dry chemical, CO2, water spray or foam. Move container from fire area if you can do it without risk. Apply cooling water to sides of containers that are exposed to flames until well after the fire is out. Stay away from ends of containers.

Abbreviations: NA=not applicable, ND=not determined, NE=not established

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SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

Chemical Stability: STABLE

Conditions To Avoid: OPEN FLAMES, SPARKS

Incompatibility (materials to avoid):
STRONG OXIDIZERSHazardous Decomposition/Byproducts:
OXIDES OF CARBON, NITROGEN, & PHOSPHOROUS

Hazardous Polymerization: WILL NOT OCCUR

Hazard Rating Scale: HEALTH: 2 FIRE: 3 REACTIVITY: 0
(4=severe, 3=serious, 2=moderate, 1=slight, 0=minimal)-----
SECTION 6 - HEALTH HAZARDS

PRIMARY ROUTES OF ENTRY

Inhalation: X Absorption: X Ingestion: X Injection: NA

HEALTH HAZARDS:

May be hazardous if inhaled, ingested or absorbed through the skin. Inhalation of concentrated vapors may cause headaches, nausea, vomiting, intoxication and unconsciousness. The toxic effects of the solvent are exerted on the central nervous system, especially on the optic nerve. Prolonged or repeated exposure may result in central nervous system damage, blindness and damage to the pancreas, liver or kidneys.

EMERGENCY & FIRST AID PROCEDURES:

INGESTION : Contact physician. Give water to drink and induce vomiting if directed by a physician.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen may be given by qualified personnel.

SKIN : Remove contaminated clothing and wash skin with soap and water. Obtain medical attention if irritation persists.

EYES : Immediately flush eyes with running water and continue washing for at least 15 minutes.

IF CONDITIONS PERSIST, SEEK MEDICAL ATTENTION.

Carcinogenicity? NO NTP? NO IARC Monograph? NO OSHA Regulated? NO

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SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Shut off ignition sources. No flares, smoking or flames in hazard area. Stop leak if you can do it without risk. Water spray may reduce vapor; but it may not prevent ignition in closed areas. Take up spill with sand or other noncombustible absorbent material and place in containers for later disposal. ALWAYS WEAR PROPER PERSONAL PROTECTIVE EQUIPMENT WHEN ADDRESSING SPILL OR LEAK.

WASTE DISPOSAL METHOD:

Contact an EPA or State Approved Disposal Facility.

SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Respiratory Protection (Specify Type):

NIOSH APPROVED RESPIRATOR IF PEL IS EXCEEDED

Ventilation: Local Exhaust: Recommended General Exhaust: Recommended

Special: USE SCBA WHEN ENTERING TANKS

Protective Gloves: Chemically Resistant / Non-Slip

Eye Protection: Chemical Safety Goggles / Safety Glasses

Other Protective Clothing or Equipment: Coveralls, Splash Aprons,
Eye Wash, and Safety Shower

Work/Hygenic Practices:

Clean up Spills Promptly, Wash Contaminated Clothing.

SECTION 9 - SHIPPING DATA

Hazard Classification: 3

DOT ER Guide No.: 128

Labels Required: FLAMMABLE

UN/NA No.: UN 1993

Proper Shipping Name/Description:

FLAMMABLE LIQUIDS, N.O.S., 3, UN 1993, PG II
(METHANOL, ETHYLENE GLYCOL)

DOT RQ in Lbs: 15,151

Flash Point, F: 56

Pkg. Group: II

DOT RQ in Gal: 1,871

pH: 4.8-5.8

IMDG Pg.No.: 3230

This information is based on data believed by Champion Technologies, Inc. to be accurate, but no warranty, express or implied is made.