

MATERIAL SAFETY
DATA SHEET**3M**

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DIVISION: ELECTRICAL PRODUCTS DIVISION

TRADE NAME:

CC-4 AND CC-55 (CABLE CLEANER - BULK LIQUID)

ID NUMBER/U.P.C.: 80-6105-9301-6 00-54007-49565-9 80-6105-9649-8 00-54007-49913-8

ISSUED: DECEMBER 1, 1997

SUPERSEDES: AUGUST 22, 1997

DOCUMENT: 11-4629-9

1. INGREDIENT	C.A.S. NO.	PERCENT
PETROLEUM DISTILLATES	64771-72-8	80.0 - 95.0
D-LIMONENE	5989-27-5	5.0 - 20.0

NOTE: All components are on the TSCA/EINECS/CDSL Inventories.

2. PHYSICAL DATA

BOILING POINT:..... 380.00-480.00 F
VAPOR PRESSURE:..... Less than 1 mmHg at 25 C
VAPOR DENSITY:..... Greater than 1 (Air=1)
EVAPORATION RATE:..... N/A
SOLUBILITY IN WATER: NIL
SP. GRAVITY:..... 0.76
PERCENT VOLATILE: 100%
pH: N/A
VISCOSITY: N/D
MELTING POINT..... N/D
APPEARANCE AND ODOR: liquid, clear, citrus like

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... 144 F Closed Cup; 165 F Open Cup.
FLAMMABLE LIMITS - LEL: N/D
FLAMMABLE LIMITS - UEL: N/D
AUTOIGNITION TEMPERATURE: ... N/D
EXTINGUISHING MEDIA:
Carbon dioxide, Dry chemical, Foam
SPECIAL FIRE FIGHTING PROCEDURES:
Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
See Hazardous Decomposition section for products of combustion.

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3. FIRE AND EXPLOSION HAZARD DATA (continued)

NFPA HAZARD CODES: HEALTH: 2 FIRE: 2 REACTIVITY: 0
UNUSUAL REACTION HAZARD: none
OSHA FIRE HAZARD CLASS: Class IIIA Combustible Liquid

4. REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY - MATERIALS TO AVOID:
Strong Oxidizing Agents.
HAZARDOUS POLYMERIZATION: Will Not Occur
HAZARDOUS DECOMPOSITION PRODUCTS:
Carbon Monoxide and Carbon Dioxide.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Extinguish all ignition sources. Contain spill. Cover with inorganic absorbent material. Collect spilled material. Place in an approved metal container.

RECOMMENDED DISPOSAL:

Incinerate large quantities in an industrial or commercial incinerator.

ENVIRONMENTAL DATA:

VOC Data: 740 grams/liter maximum VOC (less water and exempt compounds). U.S. EPA Waste Number: None. 5 Day Biological Oxygen Demand (BOD-5) = 77,000 mg/L. Chemical Oxygen Demand (COD) = 290,000 mg/L.

REGULATORY INFORMATION:Volatile Organic Compounds: ca. 740.00 gms/liter.
VOC Less H₂O & Exempt Solvents: N/D.

Since regulations vary, consult applicable regulations or authorities before disposal.

EPCRA HAZARD CLASS:

FIRE HAZARD: Yes PRESSURE: No REACTIVITY: No ACUTE: Yes CHRONIC: Yes

6. SUGGESTED FIRST AID

EYE CONTACT:

Immediately flush eyes with large amounts of water. Get immediate medical attention.

SKIN CONTACT:

Wash affected area with soap and water.

INHALATION:

If signs/symptoms occur, remove person to fresh air. If

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6. SUGGESTED FIRST AID (continued)

signs/symptoms continue, call a physician.

IF SWALLOWED:

Do not induce vomiting. Drink two glasses of water. Call a physician.

7. PRECAUTIONARY INFORMATION

EYE PROTECTION:

Avoid eye contact. Wear vented goggles.

SKIN PROTECTION:

Avoid prolonged or repeated skin contact. A pair of gloves made from the following material(s) are recommended: nitrile rubber, polyethylene, fluoroelastomer (Viton).

VENTILATION PROTECTION:

Use in a well-ventilated area. If exhaust ventilation is not adequate, use appropriate respiratory protection.

RESPIRATORY PROTECTION:

Avoid prolonged breathing of vapors. half-mask organic vapor respirator.

PREVENTION OF ACCIDENTAL INGESTION:

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Do not ingest.

RECOMMENDED STORAGE:

Store in a cool place. Keep container in well-ventilated area. Keep out of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:

Keep away from heat, sparks, open flame, and other sources of ignition. Combustible liquid and vapor.

INGREDIENTS		EXPOSURE LIMITS			
		VALUE	UNIT	TYPE AUTH	SKIN*
PETROLEUM DISTILLATES		300	ppm	TWA CMRG	
D-LIMONENE		30	ppm	TWA AIHA	

* SKIN NOTATION: Listed substances indicated with "Y" under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:

- AIHA: American Industrial Hygiene Assoc. Workplace Environmental Exposure Level
- CMRG: Chemical Manufacture Recommended Guidelines

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8. HEALTH HAZARD DATA

EYE CONTACT:

Mild Eye Irritation: signs/symptoms can include redness, swelling, pain, and tearing.

SKIN CONTACT:

Moderate Skin Irritation (after prolonged or repeated contact): signs/symptoms can include redness, swelling, itching, and dryness.

INHALATION:

Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.

Irritation (upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing and sneezing.

IF SWALLOWED:

Irritation of Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and blood in feces.

Aspiration Pneumonitis: signs/symptoms can include coughing, difficulty breathing, wheezing, coughing up blood and pneumonia, which can be fatal.

SECTION CHANGE DATES

ENVIRON. DATA

SECTION CHANGED SINCE AUGUST 22, 1997 ISSUE

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

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