

MATERIAL SAFETY
DATA SHEET

pp

3M

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DIVISION: HOME AND COMMERCIAL CARE DIVISION

TRADE NAME:

3M Brand HOOD 'N VENT CLEANER CONCENTRATE

ID NUMBER/U.P.C.: 70-0707-1402-0 00-48011-20790-7

ISSUED: JANUARY 10, 1997 (INACTIVE)

SUPERSEDES: AUGUST 21, 1996

DOCUMENT: 07-2623-2

1. INGREDIENT	C.A.S. NO.	PERCENT
ETHANOLAMINE	141-43-5	30 - 60
1-METHOXY-2-PROPANOL	107-98-2	10 - 30
DODECYLBENZENESULFONIC ACID	27176-87-0	10 - 30
1-OCTYL-2-PYRROLIDINONE	2687-94-7	10 - 30

NOTE: IN CASE OF EMERGENCY: THE NUMBER AT THE TOP OF THIS PAGE PROVIDES 24 HOUR RESPONSE FROM ANY PHONE FOR ALL EMERGENCIES WITH THIS PRODUCT.

2. PHYSICAL DATA

BOILING POINT:..... 248 F
(CAS 107-98-2)
VAPOR PRESSURE:..... N/D
VAPOR DENSITY:..... N/D
EVAPORATION RATE:..... N/D
SOLUBILITY IN WATER:..... complete
SP. GRAVITY:..... ca. 0.98 Water = 1
PERCENT VOLATILE:..... ca. 85 %
pH:..... 11.5-12.0
VISCOSITY:..... < 100 CPS
MELTING POINT..... N/A
APPEARANCE AND ODOR: Liquid, amber color, ammonia odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... ca. 119 F T.C.C.
FLAMMABLE LIMITS - LEL:..... N/D
FLAMMABLE LIMITS - UEL:..... N/D
AUTOIGNITION TEMPERATURE: ... N/D
EXTINGUISHING MEDIA:
Water, 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

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3. FIRE AND EXPLOSION HAZARD DATA (continued)

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.

Closed containers exposed to heat from fire may build pressure and explode.

NFPA HAZARD CODES: HEALTH: 2 FIRE: 2 REACTIVITY: 0**UNUSUAL REACTION HAZARD: corrosive****OSHA FIRE HAZARD CLASS: Class II Combustible Liquid**

4. REACTIVITY DATA

STABILITY: Stable**INCOMPATIBILITY - MATERIALS TO AVOID:**

None known.

HAZARDOUS POLYMERIZATION: Will Not Occur**HAZARDOUS DECOMPOSITION PRODUCTS:**

Carbon Monoxide and Carbon Dioxide, Oxides of Nitrogen, Oxides of Sulfur, Amine Compounds, Toxic Vapors, Gases or Particulates, Irritant Vapors or Gases.

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. In the U.S.A., call (612) 733-1110 or (612) 733-6100 for 24-hour spill assistance. Ventilate area. Extinguish all ignition sources. Contain spill. Dilute in a large excess of water. Carefully, and with stirring, add appropriate dilute acid such as sulfamic acid or vinegar. Confirm neutrality. Collect using non-sparking tools. Clean up residue with water. Place in a polyethylene-lined metal container. Do not seal for 48 hours.

RECOMMENDED DISPOSAL:

Incinerate in a permitted hazardous waste incinerator.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

Volatile Organic Compounds: ca. 850 gms/liter.

VOC Less H₂O & Exempt Solvents: ca. 850 gms/liter.

Since regulations vary, consult applicable regulations or authorities before disposal. U.S. EPA Hazardous Waste Number = D001 (Ignitable) D002 (Corrosive)

TSCA: All components used in the manufacture of this material are in compliance with the US TSCA inventory.

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5. ENVIRONMENTAL INFORMATION (continued)

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 for at least 15 minutes. Get immediate medical attention.

SKIN CONTACT:

Immediately flush skin with large amounts of water. Remove contaminated clothing. If irritation persists, call a physician. Wash contaminated clothing before reuse.

INHALATION:

If signs/symptoms occur, remove person to fresh air. If signs/symptoms continue, call a physician.

IF SWALLOWED:

If swallowed, do NOT induce vomiting. Give victim two glasses of water. Call a physician immediately. Never give anything by mouth to an unconscious person.

7. PRECAUTIONARY INFORMATION

EYE PROTECTION:

Avoid eye contact. The following should be worn alone or in combination, as appropriate, to prevent eye contact: Wear unvented goggles during operations in which exposure is likely. Wear full-face shield.

** When used as directed and diluted and dispensed with a TWIST 'N FILL (tm) Chemical Dispenser, eye contact with the concentrate is not expected to occur.

SKIN PROTECTION:

Avoid skin contact. Wear appropriate gloves when handling this material. A pair of gloves made from the following material(s) are recommended: butyl rubber, neoprene, nitrile rubber. Use one or more of the following personal protection items as necessary to prevent skin contact: apron, coveralls

** When used as directed and diluted and dispensed with a TWIST 'N FILL (tm) Chemical Dispenser, skin contact with the concentrate is not expected to occur.

VENTILATION PROTECTION:

Use with appropriate local exhaust ventilation. Provide sufficient ventilation to maintain emissions below recommended exposure limits. If exhaust ventilation is not adequate, use appropriate respiratory protection.

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7. PRECAUTIONARY INFORMATION (continued)

** When used as directed and diluted and dispensed with a TWIST 'N FILL (tm) Chemical Dispenser, special ventilation is not required.

RESPIRATORY PROTECTION:

Avoid breathing of vapors, mists or spray. Avoid breathing of airborne material. Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: full-face organic vapor respirator, full-face pressure demand self-contained breathing apparatus

** When used as directed and diluted and dispensed with a TWIST 'N FILL (tm) Chemical Dispenser, respiratory protection is not required.

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 closed when not in use. Keep container in well-ventilated area. Keep out of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:

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

OTHER PRECAUTIONARY INFORMATION:

Not intended for consumer sale or use.

This product is not intended to be used without prior dilution as specified on the label.

INGREDIENTS	EXPOSURE LIMITS		TYPE	AUTH	SKIN*
	VALUE	UNIT			
ETHANOLAMINE	3	ppm	TWA	ACGIH	
ETHANOLAMINE	6	ppm	STEL	ACGIH	
ETHANOLAMINE	3	ppm	TWA	OSHA	
ETHANOLAMINE	6	ppm	STEL	OSHA	
1-METHOXY-2-PROPANOL	100	ppm	TWA	ACGIH	
1-METHOXY-2-PROPANOL	150	ppm	STEL	ACGIH	
1-METHOXY-2-PROPANOL	100	ppm	TWA	OSHA	
1-METHOXY-2-PROPANOL	150	ppm	STEL	OSHA	
DODECYLBENZENESULFONIC ACID	NONE	NONE	NONE	NONE	
1-OCTYL-2-PYRROLIDINONE	NONE	NONE	NONE	NONE	

* 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.

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7. PRECAUTIONARY INFORMATION (CONTINUED)

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- AIHA: American Industrial Hygiene Assoc. Workplace Environmental Exposure Level
- OSHA: Occupational Safety and Health Administration
- NONE: None Established

8. HEALTH HAZARD DATA

EYE CONTACT:

Chemical Related Eye Burns (chemical corrosivity): signs/symptoms can include cloudy appearance of the cornea, chemical burns, pain, tearing, ulcers, impaired vision or loss of vision.

SKIN CONTACT:

Skin Burns (chemical corrosivity): signs/symptoms can include redness, swelling, itching, pain, blistering, ulceration, sloughing, and scar formation.

May be absorbed through the skin and produce effects similar to those caused by inhalation and/or ingestion.

INHALATION:

Single overexposure, above recommended guidelines, may cause:

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.

Irritation (lower respiratory): signs/symptoms can include coughing, congestion, irritation of throat, wheezing and difficulty breathing.

IF SWALLOWED:

Ingestion is not a likely route of exposure to this product.

Ingestion may cause:

Damage to Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, nausea, abdominal tenderness, burns of mouth, difficulty swallowing, blood in vomitus, blood in feces, and ulceration.

Esophageal Burns: signs/symptoms can include pain in throat, difficult swallowing and blood in sputum.

Burns of the Oral Tissues: signs/symptoms can include pain, burns of tongue and inside of mouth, redness and tissue loss.

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8. HEALTH HAZARD DATA

(continued)

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

OTHER HEALTH HAZARD INFORMATION:

HMIS: HEALTH=3 /FLAMMABILITY=2 /REACTIVITY=0 / PERSONAL PROTECTION=D

SECTION CHANGE DATES

HEADING

SECTION CHANGED SINCE AUGUST 21, 1996 ISSUE

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

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