

MATERIAL SAFETY 3M  
 DATA SHEET 3M Center  
 St. Paul, Minnesota  
 55144-1000  
 1-800-364-3577 or (651) 737-6501 (24 hours)

Copyright, 2001, Minnesota Mining and Manufacturing Company.  
 All rights reserved. Copying and/or downloading of this  
 information for the purpose of properly utilizing 3M products  
 is allowed provided that:  
 1) the information is copied in full with no changes unless  
 prior agreement is obtained from 3M, and  
 2) neither the copy nor the original is resold or otherwise  
 distributed with the intention of earning a profit thereon.

DIVISION: HOME CARE DIVISION  
 TRADE NAME:

ULTRATHON(tm) INSECT REPELLENT (lotion)  
 ID NUMBER/U.P.C. :  
 70-1000-8095-4 00-51131-67442-4 70-2007-2649-8 00-51131-66815-2  
 ISSUED: January 15, 2001  
 SUPERSEDES: January 03, 2001  
 DOCUMENT: 16-0613-6

1. INGREDIENT	C.A.S. NO.	PERCENT
INERT INGREDIENTS.....	Unknown	66.67
N,N-DIETHYL M-TOLUAMIDE.....	134-62-3	31.58
OTHER ISOMERS.....	Unknown	1.75

2. PHYSICAL DATA

BOILING POINT:..... > 95 F  
 VAPOR PRESSURE:..... < 16 psia  
 VAPOR DENSITY:..... N/A  
 EVAPORATION RATE:..... N/D  
 SOLUBILITY IN WATER:..... N/A  
 SPECIFIC GRAVITY:..... 0.995 - 1.035 g/cc  
 PERCENT VOLATILE:..... > 44.00 % by wt  
 pH:..... 6.90 - 7.80  
 VISCOSITY:..... 150000.0 - 300000.0 centipoise ASTM  
 MELTING POINT:..... N/D

APPEARANCE AND ODOR:  
 lotion/cream, white, like deet

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

-----  
3. FIRE AND EXPLOSION HAZARD DATA  
-----

FLASH POINT:..... N/A  
FLAMMABLE LIMITS - LEL:..... N/D  
FLAMMABLE LIMITS - UEL:..... N/D  
AUTOIGNITION TEMPERATURE:..... N/D

EXTINGUISHING MEDIA:  
FOAM, DRY CHEMICAL, CO2, WATER SPRAY

SPECIAL FIRE FIGHTING PROCEDURES:  
NA

UNUSUAL FIRE AND EXPLOSION HAZARDS:  
NONE

NFPA HAZARD CODES: HEALTH: 0 FIRE: 0 REACTIVITY: 0  
UNUSUAL REACTION HAZARD: none

-----  
4. REACTIVITY DATA  
-----

STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:  
NA

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:  
NONE

-----  
5. ENVIRONMENTAL INFORMATION  
-----

SPILL RESPONSE:  
OBSERVE PRECAUTIONS FROM OTHER SECTIONS. COLLECT SPILLED MATERIAL.  
CLEAN UP ANY RESIDUE. PLACE IN AN APPROVED METAL CONTAINER AND SEAL.

RECOMMENDED DISPOSAL:  
DISPOSE OF SMALL QUANTITIES OF 2 OZ. TUBES (<100). IN A SANITARY  
LANDFILL. DISPOSE OF BULK PRODUCT AND LARGER TUBE QUANTITIES IN A  
FACILITY PERMITTED TO ACCEPT CHEMICAL WASTES. DISPOSAL ALTERNATIVE:  
INCINERATE BULK PRODUCT OR WASTE TUBES IN AN INDUSTRIAL, COMMERCIAL  
OR MUNICIPAL INCINERATOR. SINCE REGULATIONS VARY, CONSULT APPLICABLE  
REGULATIONS OR AUTHORITIES BEFORE DISPOSAL. U.S. EPA HAZARDOUS WASTE  
NO.: NONE.

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

-----  
5. ENVIRONMENTAL INFORMATION (continued)  
-----

ENVIRONMENTAL DATA:  
NOT DETERMINED

REGULATORY INFORMATION:  
Volatile Organic Compounds: ca. 0.19 gms/liter.  
VOC Less H2O & Exempt Solvents: ca. 38.16 gms/liter.

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

-----  
6. SUGGESTED FIRST AID  
-----

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

SKIN CONTACT:  
Discontinue use if irritation occurs.

INHALATION:  
No need for first aid is anticipated.

IF SWALLOWED:  
Drink two glasses of water. Call a physician.

-----  
7. PRECAUTIONARY INFORMATION  
-----

EYE PROTECTION:  
Avoid eye contact.

SKIN PROTECTION:  
If irritation occurs, discontinue use.

RECOMMENDED VENTILATION:  
Not applicable.

RESPIRATORY PROTECTION:  
Not applicable.

PREVENTION OF ACCIDENTAL INGESTION:  
Do not ingest.

RECOMMENDED STORAGE:  
Not applicable.

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

-----  
7. PRECAUTIONARY INFORMATION (continued)  
-----

FIRE AND EXPLOSION AVOIDANCE:  
Not applicable.

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
INERT INGREDIENTS.....	NONE	NONE	NONE	NONE	NONE
N,N-DIETHYL M-TOLUAMIDE.....	NONE	NONE	NONE	NONE	NONE
OTHER ISOMERS.....	NONE	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.

SOURCE OF EXPOSURE LIMIT DATA:  
- NONE: None Established

-----  
8. HEALTH HAZARD DATA  
-----

EYE CONTACT:  
Moderate Eye Irritation: signs/symptoms can include redness, swelling, pain, tearing, and hazy vision.

SKIN CONTACT:  
Practically Non-toxic by Skin Contact.

INHALATION:  
No adverse health effects are expected from inhalation exposure.

IF SWALLOWED:  
Swallowing a relatively large amount of this material is unlikely to produce serious illness or death.

OTHER HEALTH HAZARD INFORMATION:  
In rare occasions children have had reactions characterized by diarrhea and vomiting from gross overexposure to Deet, the active ingredient in this product. Follow instructions on the product label.

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

-----  
SECTION CHANGE DATES  
-----

PHYSICAL DATA            SECTION CHANGED SINCE January 03, 2001    ISSUE

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

The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

3M provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, 3M makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the MSDS available directly from 3M.