



MATERIAL SAFETY DATA SHEET

CHASE MM INSECT REPEL

1. Product And Company Identification			
<u>Supplier</u> Chase Products Co. 19th and Gardner Road Broadview, IL 60155 USA Company Contact: Aludia B. Hernandez Telephone Number: 708-865-1000 FAX Number: 708-865-0923 E-Mail: sales@chaseproducts.com Web Site: www.chaseproducts.com		<u>Manufacturer</u> Chase Products Co. 19th and Gardner Road Broadview, IL 60155 USA Company Contact: Aludia B. Hernandez Telephone Number: 708-865-1000 FAX Number: 708-865-0923 E-Mail: sales@chaseproducts.com Web Site: www.chaseproducts.com	
<u>Supplier Emergency Contacts & Phone Number</u> Chem-Tel: 1-800-255-3924		<u>Manufacturer Emergency Contacts & Phone Number</u> Chem-Tel: 1-800-255-3924	
Issue Date: 06/13/2001 Product Name: CHASE MM INSECT REPEL Chemical Name: 7-7778 CAS Number: Not Established EPA Registry Number: 498-154 MSDS Number: 825 Product Code: 419-2184 <u>Product/Material Uses</u> - Insect Repellent			
2. Composition/Information On Ingredients			
Ingredient Name		CAS Number	Percent Of Total Weight
BUTANE		106-97-8	
ETHYL ALCOHOL		64-17-5	
N,N-DIETHYL-META-TOLUAMIDE (DEET)		134-62-3	
PROPANE		74-98-6	
The ingredients listed on this section are only the hazardous components of the product.			
3. Hazards Identification			
<u>Primary Routes(s) Of Entry</u> - Ingestion (possible, but considered unlikely), eye and skin contact, inhalation.. <u>Eye Hazards</u> - Irritant to the eyes. <u>Skin Hazards</u> - May cause skin reactions in rare cases. <u>Ingestion Hazards</u> - This is an aerosol product, ingestion is unlikely to occur. <u>Inhalation Hazards</u> - Deliberate inhalation of concentrate vapor or mist may cause headaches, dizziness and nausea. <u>Chronic/Carcinogenicity Effects</u> - Not known chronic effects based on available data. <u>Epidemiology</u> - None known <u>Teratogenicity (Birth Defects)</u> - None known <u>Reproductive Effects</u> - None known <u>Neurotoxicity</u> - None known <u>Mutagenicity (Genetic Effect)</u> - None known <u>Signs And Symptoms</u> - Acute: Deliberate inhalation of concentrate vapor or mist may cause headaches, dizziness and nausea. May cause skin reactions in rare cases. Irritant to eyes. <u>Conditions Aggravated By Exposure</u> - Do not apply over cuts, wounds or irritated skin. Pre-existing skin and			

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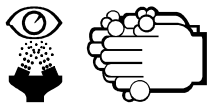
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3. Hazards Identification - Continued

respiratory disorders

Conditions Aggravated By Overexposure - Do not apply over cuts, wounds or irritated skin. Pre-existing skin and respiratory disorders.

First Aid (Pictograms)



4. First Aid Measures

Eye - Flush from eyes with plenty of water. Consult physician if injury develops.

Skin - In case of skin reaction, wash skin with soap and water and consult a physician.

Ingestion - Ingestion from an aerosol product is unlikely to occur. If accidentally swallowed, do not induce vomiting. Call physician immediately.

Inhalation - If overcome by vapor, move victim to fresh air. Restore respiration if necessary.

5. Fire Fighting Measures

Flash Point: Not available °F Not available °C

Flash Point Method: Not available

Lower Explosive Limit: Not available

Upper Explosive Limit: Not available

Fire And Explosion Hazards - This product is an aerosol product for which Flame Projection is over 18 in. with flashback. Temperatures above 120 F may cause cans to burst.

Extinguishing Media - Use CO2 (Carbon Dioxide), dry chemical, or water fog.

Fire Fighting Instructions - Water spray may be used to cool cans in the vicinity of fire or excessive heat.

6. Accidental Release Measures

Provide adequate ventilation to area being treated. Soak up spills with chemically inert, absorbent material.

Handling & Storage (Pictograms)



7. Handling And Storage

Handling And Storage Precautions - Store in a cool, dry place away from heat and open flame.

Handling Precautions - Do not deliberately inhale vapor or spray mist. Avoid contact eyes. Keep out of reach of children.

Storage Precautions - Keep away from heat, sparks, flame, and other sources of ignition (i.e., pilot lights, electric motors and static electricity). **AEROSOL STORAGE LEVEL II (NFPA-30B)**

Work/Hygienic Practices - Wash hands thoroughly after using this product.

8. Exposure Controls/Personal Protection

Engineering Controls - Use with adequate general and local exhaust ventilation.

Eye/Face Protection - Conventional eyeglasses to guard against splashing.

Skin Protection - None required.

Respiratory Protection - None required if used in a well-ventilated area. Do not overspray. Follow label directions.

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8. Exposure Controls/Personal Protection - Continued

Ingredient(s) - Exposure Limits

BUTANE

ACGIH TLV-TWA 800 ppm

ETHYL ALCOHOL

ACGIH TLV-TWA 1000 ppm ; OSHA PEL-TWA 1000 ppm

PROPANE

ACGIH TLV-TWA 2500 ppm ; OSHA PEL-TWA 1,000 ppm

9. Physical And Chemical Properties

Appearance - Clear to slight yellow liquid.

Odor - Characteristic solvent odor.

Chemical Type: Mixture

Physical State: Liquid

Melting Point: Not applicable °F Not applicable °C

Boiling Point: Ethyl Alcohol 173 °F 78.33 °C

Specific Gravity: 0.867 concentrate

Percent VOCs: 64.91

Solubility: Insoluble

Evaporation Rate: Faster than butyl acetate

10. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur

Conditions To Avoid (Stability) - Temperatures above 120 F

Incompatible Materials - Avoid heat, open flame and contact with strong oxidizers and aluminum.

Hazardous Decomposition Products - Thermal decomposition may yield gases like carbon monoxide and carbon dioxide.

Conditions To Avoid (Polymerization) - Temperatures above 120 F

11. Toxicological Information

No Data Available...

12. Ecological Information

No Data Available...

13. Disposal Considerations

Wrap empty container in newspaper and dispose of it in non-incinerated trash only.

14. Transport Information

Proper Shipping Name - ORM-D Consumer Commodity

DOT Identification Number

UN1950

DOT Shipping Label

Aerosol Consumer Commodity

M A T E R I A L S A F E T Y D A T A S H E E T

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15. Regulatory Information

U.S. Regulatory Information - All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

SARA Hazard Classes

Acute Health Hazard; Fire Hazard

SARA Section 313 Notification - This product does not contain any ingredients regulated under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 or 40 CFR 372.

Ingredient(s) - State Regulations

BUTANE

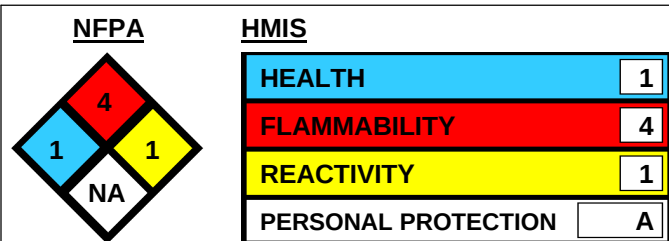
New Jersey - Workplace Hazard; New Jersey - Environmental Hazard; New Jersey - Special Hazard; Pennsylvania - Workplace Hazard; Massachusetts - Hazardous Substance; New York City - Hazardous Substance

ETHYL ALCOHOL

New Jersey - Workplace Hazard; New Jersey - Special Hazard; Pennsylvania - Workplace Hazard; Massachusetts - Hazardous Substance; New York City - Hazardous Substance

PROPANE

New Jersey - Workplace Hazard; New Jersey - Environmental Hazard; New Jersey - Special Hazard; Pennsylvania - Workplace Hazard; Massachusetts - Hazardous Substance; New York City - Hazardous Substance



16. Other Information

Revision/Preparer Information

MSDS Preparer: Laura E. Radevski

MSDS Preparer Phone Number: 708-865-1000

Disclaimer

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Chase Products Co.