



MATERIAL SAFETY DATA SHEET

CHAMPION CHOICE N/F 4 WAY PENETRANT

1. Product And Company Identification	
<p>Supplier Chase Products Co. 19th and Gardner Road Broadview, IL 60155 USA</p> <p>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</p>	<p>Manufacturer Chase Products Co. 19th and Gardner Road Broadview, IL 60155 USA</p> <p>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</p>
<p>Supplier Emergency Contacts & Phone Number Chem-Tel: 1-800-255-3924</p>	<p>Manufacturer Emergency Contacts & Phone Number Chem-Tel: 1-800-255-3924</p>
<p>Issue Date: 01/19/2006</p> <p>Product Name: CHAMPION CHOICE N/F 4 WAY PENETRANT Chemical Name: 7-7708-2 CAS Number: Not Established MSDS Number: 3477 Product Code: 438-5159-3 Product/Material Uses - Penetrating Oil</p>	

2. Composition/Information On Ingredients			
Ingredient Name	CAS Number		Percent Of Total Weight
2-BUTOXYETHANOL	111-76-2		1 - 5
ALIPHATIC PETROLEUM DISTILLATE	64742-88-7		
CALCIUM SULFONATE	61789-86-4		
CARBON DIOXIDE	124-38-9		
CHLORINATED PARAFFIN	63449-39-8		
HEAVY NAPHTHENIC DISTILLATE	64742-52-5		
LIGHT NAPHTHENIC DISTILLATE	64742-53-6		
PERCHLOROETHYLENE	127-18-4		60 - 65
<p>Hazardous components, according to OSHA, are listed when present at 1.0% or greater. Carcinogens are listed when present at 0.1% or greater.</p>			

3. Hazards Identification
<p>Primary Routes(s) Of Entry - Skin contact, inhalation, eye contact, ingestion (possible, but considered unlikely). Eye Hazards - Causes eye irritation. Skin Hazards - 2-Butoxyethanol penetrates skin readily. Frequent or wide spread contact may result on skin absorption of potentially harmful amounts. Prolonged or repeated skin contact with liquid may cause defatting resulting in drying, redness and/or possible blistering. Calcium sulfonates may have the potential to cause allergic skin reactions. Ingestion Hazards - This is an aerosol product, ingestion is unlikely to occur. Contains petroleum distillate. Harmful if swallowed. If accidentally swallowed, do not induce vomiting, call a physician immediately. Inhalation Hazards - Deliberate inhalation of concentrate vapor or mist may cause headaches, dizziness and nausea.</p>

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3. Hazards Identification - Continued

Chronic/Carcinogenicity Effects - 2-Butoxyethanol may cause hemolysis of the blood cells leading to possible liver and kidney damage. Overexposure to Perchloroethylene has been shown to affect the lungs, liver and kidneys. PROPOSITION 65 - "Warning: This product contains Perchloroethylene a chemical known to the State of California to cause cancer".

Teratogenicity (Birth Defects) - Not known.

Reproductive Effects - Not known.

Neurotoxicity - Not known.

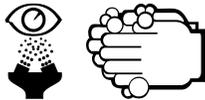
Mutagenicity (Genetic Effect) - Not known.

Signs And Symptoms - Acute: Deliberate inhalation of concentrate vapor or mist may cause headaches, dizziness and nausea. Contact with skin can cause irritation. Irritant to the eyes.

Conditions Aggravated By Exposure - May aggravate pre-existing skin, kidney, liver and respiratory disorders.

Conditions Aggravated By Overexposure - May aggravate pre-existing skin, kidney, liver and respiratory disorders.

First Aid (Pictograms)



4. First Aid Measures

Eye - Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin - Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Ingestion - Ingestion from an aerosol product is unlikely to occur. Contains petroleum distillate. Harmful if swallowed. If accidentally swallowed, do not induce vomiting, call a physician immediately.

Inhalation - If overcome by vapor move victim to fresh air. If person is not breathing, call 911 or an ambulance, then provide artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

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 0 in. without 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.

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 getting spray into 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 I (NFPA-30B)**

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

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Protective Clothing (Pictograms)



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 - Polyvinyl alcohol or Rubber gloves required.

Respiratory Protection - Use in well-ventilated area ONLY. NIOSH-approved respirator recommended. NOTICE: Reports have associated repeated and prolonged occupational over exposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. To avoid breathing vapor or spray mist, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches, or dizziness, increase fresh air or use an appropriate, properly fitted respirator (NIOSH approved), or leave the area. NOTE: Follow respirator manufacturer's instructions carefully.

Ingredient(s) - Exposure Limits

2-BUTOXYETHANOL

ACGIH TLV-TWA 20 ppm (Skin) ; OSHA PEL-TWA 50 ppm (Skin)

CALCIUM SULFONATE

ACGIH TLV 5mg/m³ (oil mist)

CARBON DIOXIDE

ACGIH TLV-STEL 30,000 ppm ; ACGIH TLV-TWA 5,000 ppm ; OSHA PEL-TWA 5,000 ppm

HEAVY NAPHTHENIC DISTILLATE

OSHA PEL 5mg/m³ as oil mist in air ; ACGIH TLV 5 mg/m³ as oil mist in air

LIGHT NAPHTHENIC DISTILLATE

OSHA PEL 5mg/m³ as oil mist in air ; ACGIH TLV 5mg/m³ as oil mist in air

PERCHLOROETHYLENE

ACGIH TLV-STEL 100 ppm ; ACGIH TLV-TWA 25 ppm ; OSHA PEL-CEILING 200 ppm

OSHA PEL-PEAK 300 ppm ; OSHA PEL-TWA 100 ppm

9. Physical And Chemical Properties

Appearance - Dark brown liquid.

Odor - Chlorinated solvent odor.

Chemical Type: Mixture

Physical State: Liquid

Melting Point: Not applicable °F Not applicable °C

Boiling Point: Perchloroethylene 250 °F 121 °C

Specific Gravity: 1.29 - 1.33 concentrate

Percent VOCs: 3.81

pH Factor: NA

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

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10. Stability And Reactivity - Continued

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

Hazardous Decomposition Products - Thermal decomposition may yield gases like carbon monoxide, carbon dioxide, hydrogen chloride, chlorine and traces of phosgene.

Conditions To Avoid (Polymerization) - Temperatures above 120 F

11. Toxicological Information

Ingredient(s) - Carcinogenicity

PERCHLOROETHYLENE

NTP - Listed On The National Toxicology Program; Listed In The IARC Monographs

12. Ecological Information

No Data Available...

13. Disposal Considerations

Do not puncture or incinerate container. **If empty:** Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency for disposal instructions.

14. Transport Information

Proper Shipping Name - ORM-D Consumer Commodity

Hazard Class

2.2

DOT Identification Number

UN1950

DOT Shipping Label

Aerosol Consumer Commodity

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; Chronic Health Hazard

SARA Title III - Section 313 Form "R"/TRI Reportable Chemical

SARA Section 313 Notification - This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material: 2-Butoxyethanol and Perchloroethylene. See section 2 for % amounts in the product.

Ingredient(s) - U.S. Regulatory Information

2-BUTOXYETHANOL

SARA Title III - Section 313 Form "R"/TRI Reportable Chemical; SARA - Acute Health Hazard; SARA - Chronic Health Hazard; SARA - Fire Hazard

PERCHLOROETHYLENE

SARA Title III - Section 313 Form "R"/TRI Reportable Chemical; SARA - Acute Health Hazard; SARA - Chronic Health Hazard

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15. Regulatory Information - Continued

Ingredient(s) - State Regulations

2-BUTOXYETHANOL

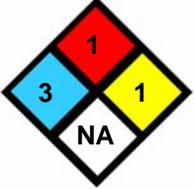
New Jersey - Workplace Hazard; New Jersey - Environmental Hazard; Pennsylvania - Workplace Hazard; Massachusetts - Hazardous Substance; New York City - Hazardous Substance

CARBON DIOXIDE

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

PERCHLOROETHYLENE

New Jersey - Workplace Hazard; New Jersey - Environmental Hazard; New Jersey - Special Hazard; Pennsylvania - Workplace Hazard; Pennsylvania - Environmental Hazard; California - Proposition 65; Massachusetts - Hazardous Substance; New York City - Hazardous Substance

<u>NFPA</u>	<u>HMIS</u>								
	<table border="1"><tr><td>HEALTH</td><td>*2</td></tr><tr><td>FLAMMABILITY</td><td>1</td></tr><tr><td>REACTIVITY</td><td>1</td></tr><tr><td>PERSONAL PROTECTION</td><td>B</td></tr></table>	HEALTH	*2	FLAMMABILITY	1	REACTIVITY	1	PERSONAL PROTECTION	B
HEALTH	*2								
FLAMMABILITY	1								
REACTIVITY	1								
PERSONAL PROTECTION	B								

16. Other Information

Revision/Preparer Information

MSDS Preparer: Laura E. Radevski

MSDS Preparer Phone Number: 708-865-1000

This MSDS Supercedes A Previous MSDS Dated: 06/14/2005

Disclaimer

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Chase Products Co.

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