



MATERIAL SAFETY DATA SHEET

CHAMPION CHOICE NON-FLAMMABLE CONTACT CLEANER

1. Product And Company Identification

Supplier

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

Manufacturer

STS
P.O. Box 949
Amarillo, TX 79105

Telephone Number: 806-372-1068
FAX Number: 806-372-1102

Supplier Emergency Contacts & Phone Number

Chem-Tel: 1-800-255-3924

Manufacturer Emergency Contacts & Phone Number

None Given

Issue Date: 10/20/2005

Product Name: CHAMPION CHOICE NON-FLAMMABLE CONTACT CLEANER

Chemical Name: PL1632-0I-16S

CAS Number: Not Established

MSDS Number: 3429

Product Code: 438-5121-1

Product/Material Uses - Contact Cleaner

2. Composition/Information On Ingredients

Ingredient Name	CAS Number		Percent Of Total Weight
1,1,1,2-TETRAFLUOROETHANE	811-97-2		
1,1,1,3,3-PENTAFLUOROPROPANE	460-73-1		
1,2-TRANSDICHLOROETHYLENE	156-60-5		
CARBON DIOXIDE	124-38-9		
ETHYL-S(-)-2-HYDROXYPROPIONATE	97-64-3	<	1

3. Hazards Identification

Primary Routes(s) Of Entry - Ingestion (possible, but considered unlikely), eye contact, skin contact, inhalation.

Eye Hazards - Can cause severe eye irritation, redness, tearing and possible conjunctivitis.

Skin Hazards - Prolonged contact with the skin can cause defatting of skin.

Ingestion Hazards - Aspiration hazard if swallowed. Can enter lungs and cause damage. This is an aerosol product, ingestion is unlikely to occur.

Inhalation Hazards - Vapor/gas displaces or reduces oxygen available for breathing. Over inhalation of vapor or mist may produce anesthetic effects, headache and dizziness. Inhalation of high concentrations in a closely confined area may be fatal.

Chronic/Carcinogenicity Effects - Not known, chronic effects based on available data. None of the ingredients on this product are listed as carcinogenic by NTP, IARC or OSHA

Teratogenicity (Birth Defects) - Not known

Reproductive Effects - Not known

Neurotoxicity - Not known

Mutagenicity (Genetic Effect) - Ethyl-S(-)hydroxypropionate: No positive response for several tested strains of Salmonella Typhimurium.

Signs And Symptoms - Acute: Over inhalation of vapor or mist may cause anesthetic effects, headaches, dizziness

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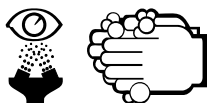
3. Hazards Identification - Continued

and nausea. Prolonged contact with skin may cause defatting of skin. Can cause severe eye irritation, redness, tearing and possible conjunctivitis.

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

Conditions Aggravated By Overexposure - May aggravate pre-existing skin 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 - Wash skin with soap and water. Consult physician if injury develops.

Ingestion - Ingestion from an aerosol product is unlikely to occur. In case of accidental ingestion, do not induce vomiting unless directed by a physician. Seek medical attention 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 advise.

5. Fire Fighting Measures

Flash Point: Non-flammable °F

Fire And Explosion Hazards - Aerosol cans may erupt with force at temperatures above 120 F.

Extinguishing Media - Water spray, alcohol foam, carbon dioxide.

Fire Fighting Instructions - Fire fighters should wear self-contained breathing apparatus and full protective gear. Avoid contact with fumes which could contain hydrochloric and hydrofluoric acid. Stop the release of material if possible. Water spray may be used to cool cans in the vicinity of fire or excessive heat. Remove personnel in general area.

6. Accidental Release Measures

Evacuate area. Use appropriate personal protective equipment (PPE). Provide adequate ventilation to area being treated. Avoid sources of ignition.

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. Avoid contact with skin. 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 thoroughly after handling.

Protective Clothing (Pictograms)



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8. Exposure Controls/Personal Protection

Engineering Controls - Use with adequate general and local exhaust ventilation. Do not use in confined spaces without mechanical ventilation equipment.

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

Skin Protection - Butyl, Neoprene or household type gloves, required.

Respiratory Protection - Use in well-ventilated area ONLY. When using indoors, keep windows and doors open until fumes dissipate. If concentrations are over the exposure limit and are known, air purifying respirator with organic vapor cartridges may be acceptable. Use a supplied air respirator if concentrations are unknown.

Ingredient(s) - Exposure Limits

1,1,1,2-TETRAFLUOROETHANE

1000 ppm recommended by supplier

1,1,1,3,3-PENTAFLUOROPROPANE

300 ppm Supplier OEL

1,2-TRANSDICHLOROETHYLENE

ACGIH TLV 200ppm

CARBON DIOXIDE

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

9. Physical And Chemical Properties

Appearance - Clear, colorless liquid.

Odor - Faint ethereal odor.

Chemical Type: Mixture

Physical State: Liquid

Specific Gravity: 1.249

Percent Volatiles: 100

Percent VOCs: 66

Vapor Pressure: 17.8

Evaporation Rate: < 1 (TCE=1)

10. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur

Conditions To Avoid (Stability) - Contact with open flame, heat and temperatures above 120 F.

Incompatible Materials - Oxidizing agents, alkalies and bases.

Hazardous Decomposition Products - Thermal decomposition may yield gases like hydrochloric and hydrofluoric acids - possibly carbonyl halides.

Conditions To Avoid (Polymerization) - Temperatures above 120 F

11. Toxicological Information

No Data Available...

12. Ecological Information

No Data Available...

13. Disposal Considerations

Dispose in accordance with applicable federal, state and local government regulations.

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.

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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

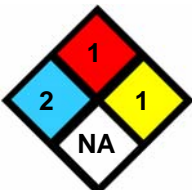
Acute Health Hazard; Chronic Health Hazard; Reactivity Hazard

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

CARBON DIOXIDE

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

NFPA	HMIS								
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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 Supersedes A Previous MSDS Dated: 10/24/2001

Disclaimer

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Chase Products Co.