Chemical Name: Dual Action Plus #1

Manufacturer: Tapmatic

Container Size: 4 oz.

Location: VLA

Disposal: Place empty container in trash. Give partial or full container to safety officer.

LPS LABORATORIES
MSDS
MATERIAL SAFETY DATA SHEET

Section 1 - Product Identification and Use

Manufacturer's Name:
LPS Laboratories

Street Address:
4647 Hugh Howell Road

City, State, Zip:
Tucker, GA 30085-5052

Trade Name:
Tapmatic Dual Action Plus # 1

Chemical Family:
Halogenated Hydrocarbon

Part Numbers:
40120,40130,40140

Telephone Number: 770-934-7800
Emergency Telephone Number: 1-800-424-9300 Chemtrec
Outside U.S.: (703) 527-3887

Hazardous Materials Description and proper shipping name (49 CFR 172.101):
Aerosol: CONSUMER COMMODITY ORM-D NMFC 50093 SUB 2 CL55
Bulk: Trichloroethylene , 6.1, UN1710, PG III

TSCA Inventory:
All of the ingredients are listed on the TSCA inventory.

HMIS Labeling:
Health: 2
Flammability: 0
Reactivity: 0

Section 2 - Hazardous Ingredients / Identity Information

Ingredients	CAS Numbers	%WW	OSHA PEL	ACGIH TLV	OTHER LIMITS
Trichloroethylene	79-01-6	90-100	100ppm	50 ppm	200 ppm STEL
1,2 Butylene oxide	106-88-7	<0.5	N.E.	N.E.	None
Chlorinated Paraffin	61788-76-9	5-10	N. E.	N. E.	N. E.

Section 3 - Physical / Chemical Characteristics

Boiling point (F°): 188°
Vapor pressure (mmHg) @ 20° C: 58
Vapor density (Air = 1): 4.5
Solubility in water: 25°C .1gm/100 gm
Appearance and odor: Clear, colorless liquid with sweet odor

Specific gravity (H20 = 1): 1.35
Percent volatile by volume (%): 90
Evaporation rate (ethyl ether = 1): 0.3

Section 4 - Fire and Explosion Hazard

Flash point (method used): None TCC
Flammable limits (by volume 25° C): **LEL** = 8.0% **UEL** = 10.5%
Extinguishing media: Water, foam, dry chemical, carbon dioxide
Special fire fighting procedures: Concentrated vapors can be ignited by high intensity ignition sources. Fire fighters should wear self-contained, positive pressure, breathing apparatus, due to thermal decomposition products.
Unusual fire and explosive hazards: Intensive heat created by fire will cause aerosols to burst.

N.E. = Not established
N.A. = Not applicable

Section 5 - Health Hazard Data

Primary route(s) of entry: Inhalation, skin

Health hazard/effects of over exposure:

Inhalation: Dizziness, drowsiness and throat irritation at levels above 1,000 ppm. Concentrated vapors can cause blood pressure depression, cardiac sensitization, ventricular arrhythmia, unconsciousness and death.

Eyes: Vapor can irritate eyes. Liquid can cause slight temporary irritation with slight temporary corneal injury.

Skin: Prolonged or repeated skin contact can cause defatting and drying of skin. Skin absorption is possible upon prolonged contact.

Ingestion: If product is aspirated into lungs, chemical pneumonia can result.

Medical conditions aggravated by exposure: Acute and chronic liver disease and rhythm disorders of the heart.

Chronic toxicity: Chronic over exposure of trichloroethylene has caused liver and kidney disease in experimental animals. The State of California has listed trichloroethylene under Proposition 65 as a chemical known to the state to cause cancer.

Chemicals listed as potential carcinogen: **NTP:** No **IARC:** Yes **OSHA:** No

Emergency and first aid procedures:

Inhalation: Remove to fresh air. If breathing has stopped, give artificial respiration. Call a physician.

Eyes: Flush eyes with plenty of water. If irritation persists, call a physician.

Skin: Wash with soap and water; apply medicated skin cream.

Ingestion: Do not induce vomiting. Contact physician immediately.

Note to physician: Adrenalin should never be given to persons overexposed to trichloroethylene.

Section 6 - Reactivity Data

Stability: Stable

Conditions to avoid: Avoid contact with open flame, electric arcs or other hot surfaces which can cause thermal decomposition.

Incompatibility (Materials to avoid): Strong alkalies, oxidizers and reactive metals.

Hazardous decomposition products: Hydrogen chloride and small amounts of phosgene.

Hazardous polymerization: Will not occur.

Section 7 - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled: Evacuate the area, ventilate and avoid breathing vapors. Contain the spill. Remove leaking container and transfer product to another vessel. Clean up area by mopping or soak up with absorbent material. Place in closed containers. Do not flush to sewer.

Waste disposal methods: Recovered liquid may be sent to licensed reclaimer or incinerator. Consult federal, state and/or local disposal authorities for approved procedures.

RCRA Hazardous Waste No.: D040

CERCLA Reportable Quantity: 100 lbs.

SARA TITLE III Chemicals: Yes. CAS# 79-01-6.

Precautions to be taken in handling and storage: Store as Level 1 Aerosol (NFPA 30B). Store all materials in dry, well-ventilated area. Avoid breathing vapors. Prolonged contact with aluminum parts in a pressurizable fluid system may cause violent reactions.

Section 8 - Control Measures

Respiratory Protection: None required if good ventilation is maintained. If vapor concentration rises above TLV, use NIOSH approved organic vapor cartridge respirator. For large spills or emergencies in completely enclosed areas, use self - contained breathing apparatus.

Ventilation: Do not use in closed or confined areas. Use mechanical ventilation to maintain exposure levels below 50 ppm.

Protective gloves: Use solvent resistant gloves for liquid handling.

Eye protection: For spraying or splashing of solvent, use face shield or goggles. Contact lenses should not be worn.

Other protective equipment: As necessary to prevent prolonged or repeated skin contact.

Work/hygienic practices: Wash hands with soap and water after use and/or before breaks, lunch and at the end of work periods. Remove contaminated clothing and launder before reuse.

Section 9 - Preparation Date of MSDS

The foregoing technical information and recommendations are compiled from sources that are believed to be accurate and reliable. However, they are supplied without warranty or guarantee of any kind either expressed or implied. The purchaser is responsible for selecting and determining the suitability of products for purchaser's particular needs and we disclaim any responsibility for improper applications or misuse of our products in any manner whatsoever.

January 31, 2003
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LPS Laboratories

Form # LT2697
MSDS LPS Tapmatic Dual Action Plus # 1

ITW