



GARDENA, CA
NEW BRUNSWICK, NJ

Material Safety Data Sheet

NFPA	HMIS	Personal Protective Equipment						
	<table border="1"> <tr><td>Health Hazard</td><td style="text-align: center;">2</td></tr> <tr><td>Fire Hazard</td><td style="text-align: center;">1</td></tr> <tr><td>Reactivity</td><td style="text-align: center;">0</td></tr> </table>	Health Hazard	2	Fire Hazard	1	Reactivity	0	
Health Hazard	2							
Fire Hazard	1							
Reactivity	0							
See Section 15.								

Section 1. Chemical Product and Company Identification		<i>Page Number: 1</i>
Common Name/ Trade Name	Diethylpropion Hydrochloride	Catalog Number(s). D1423
Manufacturer	SPECTRUM LABORATORY PRODUCTS INC. 14422 S. SAN PEDRO STREET GARDENA, CA 90248	CAS# 134-80-5
Commercial Name(s)	Regenon; Tenuate; Tenuate hydrochloride; Tenuate-Dospan	RTECS UH0360000
Synonym	1-Phenyl-2-diethylamino-1-propanone hydrochloride; 1-Phenyl-2-diethylaminopropanone-1 hydrochloride; 1-Propanone, 2-(diethylamino)-1-phenyl-, hydrochloride; 2-Diethylaminopropiophenone hydrochloride; alpha-Benzoyltriethylamine hydrochloride; alpha-Benzoyltriethylammonium chloride; Amfepramon hydrochloride; Amphepramonum hydrochloride; Diethylpropione hydrochloride	TSCA TSCA 8(b) inventory: No products were found.
Chemical Name	Propiophenone, 2-(diethylamino)-, hydrochloride	CI# Not available.
Chemical Family	Not available.	IN CASE OF EMERGENCY CHEMTREC (24hr) 800-424-9300 CALL (310) 516-8000
Chemical Formula	C13-H19-N-O.HCl	
Supplier	SPECTRUM LABORATORY PRODUCTS INC. 14422 S. SAN PEDRO STREET GARDENA, CA 90248	

Section 2. Composition and Information on Ingredients					
		<i>Exposure Limits</i>			
Name	CAS #	TWA (mg/m ³)	STEL (mg/m ³)	CEIL (mg/m ³)	% by Weight
1) Diethylpropion Hydrochloride	134-80-5				100
Toxicological Data on Ingredients					
Diethylpropion Hydrochloride:					
ORAL (LD50): Acute: 400 mg/kg [Rat]. 385 mg/kg [Mouse].					

Continued on Next Page

Section 3. Hazards Identification

Potential Acute Health Effects	Hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation.
Potential Chronic Health Effects	CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs.
Skin Contact	In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
Serious Skin Contact	Not available.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Serious Inhalation	Not available.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.
Serious Ingestion	Not available.

Section 5. Fire and Explosion Data

Flammability of the Product	May be combustible at high temperature.
Auto-Ignition Temperature	Not available.
Flash Points	Not available.
Flammable Limits	Not available.
Products of Combustion	These products are carbon oxides (CO, CO ₂), nitrogen oxides (NO, NO ₂ ...).
Fire Hazards in Presence of Various Substances	Slightly flammable to flammable in presence of heat.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
Special Remarks on Fire Hazards	When heated to decomposition it emits very toxic fumes of hydrogen chloride and nitrogen oxides. As with most organic solids, fire is possible at elevated temperatures.
Special Remarks on Explosion Hazards	Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Section 6. Accidental Release Measures

Small Spill	Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Large Spill	Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7. Handling and Storage

Precautions	Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area. Store at ambient/room temperature. Do not store above 30°C (86°F). Hygroscopic.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Personal Protection	Safety glasses. Lab coat. Dust respirator. Use a dust respirator if ventilation is inadequate and handling of material produces visible dust clouds. Be sure to use an approved/certified respirator or equivalent. Gloves.
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Exposure Limits	Not available.

Section 9. Physical and Chemical Properties

Physical state and appearance	Solid. (Small Crystals solid. Crystalline powder.)	Odor	Aromatic. (Slight.)
Molecular Weight	241.79 g/mole	Taste	Not available.
pH (1% soln/water)	Not available.	Color	White. Off-white.
Boiling Point	Not available.		
Melting Point	Decomposition temperature: 168°C (334.4°F)		
Critical Temperature	Not available.		
Specific Gravity	Not available.		
Vapor Pressure	Not applicable.		
Vapor Density	Not available.		
Volatility	Not available.		
Odor Threshold	Not available.		
Water/Oil Dist. Coeff.	Not available.		
Ionicity (in Water)	Not available.		
Dispersion Properties	See solubility in water, methanol.		
Solubility	Easily soluble in cold water, methanol. Insoluble in diethyl ether.		

Section 10. Stability and Reactivity Data

Stability	The product is stable.
Instability Temperature	Not available.
Conditions of Instability	Excess heat
Incompatibility with various substances	Not available.
Corrosivity	Not available.
Special Remarks on Reactivity	Hygroscopic; keep container tightly closed. Protect from moisture
Special Remarks on Corrosivity	Not available.
Polymerization	Will not occur.

Section 11. Toxicological Information

Routes of Entry	Inhalation. Ingestion.
Toxicity to Animals	Acute oral toxicity (LD50): 385 mg/kg [Mouse].
Chronic Effects on Humans	Not available.
Other Toxic Effects on Humans	Hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant), of inhalation.
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.
Special Remarks on other Toxic Effects on Humans	<p>Potential Health Effects:</p> <p>Skin: May cause skin irritation.</p> <p>Eyes: Dust may cause eye irritation</p> <p>Inhalation: Dust may cause respiratory tract irritation.</p> <p>Ingestion: Harmful if swallowed. It is habit forming. May cause unpleasant taste in mouth, dryness of mouth, chills, fever, sore throat, abdominal discomfort, vomiting, upset stomach, nausea, diarrhea, constipation, flushing, sweating, loss of appetite/anorexia. May affect behavior/central nervous system/nervous system (hyperactivity, restlessness, overstimulation, anxiety, irritability, agitation, confusion, mood elevation, delusions, jitteriness, insomnia, fainting, dizziness, euphoria, hallucinations, dysphoria, headache, muscle pain, tremor, convulsions, sleep disturbances, depression, suicidal tendencies, extreme tiredness, excitability, paranoid psychotic behavior, schizophrenia-like reaction, somnolence, coma; sympathomimetic), cardiovascular system (hypertension, palpitations, tachycardia, myocardial ischemia, myocardial infarction, angina, ventricular dysfunction), eyes/vision (mydriasis, blurred vision), blood (leukopenia, agranulocytosis), urinary system (dysuria/painful urination, polyuria/increased urination). May also cause urticaria, skin rash, itching, ecchymosis, erythema, impotence, changes in libido, menstrual irregularity, bone marrow depression, chest pain, dyspnea(difficulty breathing), swelling of ankles or feet, hair loss. It may also affect blood sugar levels of diabetic patients and may cover up some signs and symptoms of hypoglycemia (low blood sugar).</p> <p>Medical Conditions Aggravated by Exposure: problems with thyroid; an anxiety disorder; epilepsy or another seizure disorder; diabetes; heart disease or high blood pressure; arteriosclerosis(hardening of the arteries); glaucoma; have taken monoamine oxidase inhibitors (MAOI) such as isocarboxid (Marplan), tranylcypromine (Parnate), or peneizine (Nardil) in the last 14 days; taking blood pressure medications such as Ismelin; taking insulin; taking Phenothiazine drugs such as the major tranquilizer Thorazine; history or drug or alcohol abuse.</p>


Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	The products of degradation are less toxic than the product itself.
Special Remarks on the Products of Biodegradation	Not available.




Section 13. Disposal Considerations

Waste Disposal	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
----------------	--

Section 14. Transport Information

DOT Classification	Not a DOT controlled material (United States).
Identification	Not applicable.
Special Provisions for Transport	Not applicable.
DOT (Pictograms)	

Section 15. Other Regulatory Information and Pictograms

Federal and State Regulations	No products were found.												
California Proposition 65 Warnings	California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: No products were found. California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: No products were found.												
Other Regulations	OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.												
Other Classifications	WHMIS (Canada)	CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC).											
	DSCL (EEC)	R21- Harmful in contact with skin. S36/37- Wear suitable protective clothing and gloves. S46- If swallowed, seek medical advice immediately and show this container or label.											
HMIS (U.S.A.)	<table border="1" style="display: inline-table;"> <tr><td>Health Hazard</td><td style="text-align: center;">2</td></tr> <tr><td>Fire Hazard</td><td style="text-align: center;">1</td></tr> <tr><td>Reactivity</td><td style="text-align: center;">0</td></tr> <tr><td>Personal Protection</td><td style="text-align: center;">E</td></tr> </table>	Health Hazard	2	Fire Hazard	1	Reactivity	0	Personal Protection	E	<p>National Fire Protection Association (U.S.A.)</p> <table style="display: inline-table; vertical-align: middle;"> <tr> <td style="text-align: right;">Health</td> <td style="text-align: center;">  </td> <td style="text-align: left;"> Flammability Reactivity Specific hazard </td> </tr> </table>	Health		Flammability Reactivity Specific hazard
Health Hazard	2												
Fire Hazard	1												
Reactivity	0												
Personal Protection	E												
Health		Flammability Reactivity Specific hazard											

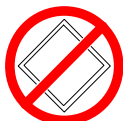
**WHMIS (Canada)
(Pictograms)**



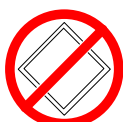
**DSCL (Europe)
(Pictograms)**



**TDG (Canada)
(Pictograms)**



**ADR (Europe)
(Pictograms)**



Protective Equipment



Gloves.



Lab coat.



Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.



Safety glasses.

Section 16. Other Information

MSDS Code D5610

References Not available.

Other Special Considerations Use: It is an anorectic agent that is chemically similar to sympathomimetic amines used for this purpose; It is an appetite suppressant which is perscribed for short-term use (a few weeks) as part of an overall diet plan for weight reduction.

Validated by Sonia Owen on 8/11/2006.

Verified by Sonia Owen.

Printed 9/12/2006.

CALL (310) 516-8000

[Notice to Reader](#)

Continued on Next Page

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Spectrum Quality Products, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.