



MATERIAL SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Pfizer Inc	Emergency telephone	+1-212-573-2222
Pfizer Pharmaceuticals Group	Hours of operation	24 hours
235 E. 42nd Street		
New York, NY 10017		

Product name	Benadryl 50 mg/ml Solution for Injection
Therapeutic use	Antihistamine agent
Description	Colorless, odorless solution

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>CAS Number</u>	<u>Amount</u>
Diphenhydramine hydrochloride*	147-24-0	5.0%

*Hazardous

Note: Ingredient(s) indicated as hazardous have been assessed under standards for workplace safety.

SECTION 3 - HAZARDS IDENTIFICATION

Signal word	CAUTION!
Statements of hazard	MAY CAUSE NERVOUS SYSTEM EFFECTS.
Eye effects	No data available.
Skin effects	Not a skin irritant.
Inhalation effects	No data available. An Occupational Exposure Limit has been established for one or more of the ingredients (see Section 8).
Ingestion effects	No data available.
Additional data	For a more detailed discussion of potential health hazards and toxicity see Section 11.

NOTE: This document has been prepared in accordance with standards for workplace safety, which require the inclusion of all known hazards of the product or its ingredients regardless of the potential risk. The precautionary statements and warnings included may not apply in all cases. Your needs may vary depending upon the potential for exposure in your workplace.

SECTION 4 - FIRST AID MEASURES

Eyes	Immediately flush eyes with water for at least 15 minutes until no evidence of product remains. If irritation occurs or persists, get medical attention.
Skin	Remove contaminated clothing and wash the affected area with soap and water. Seek medical attention if unusual symptoms occur. Wash clothing and thoroughly clean shoes before reuse.
Inhalation	Remove to fresh air. If discomfort persists, get medical attention.
Ingestion	In the event of swallowing this material, dilute with large quantities of water or milk. Get medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

Fire fighting instructions	Wear approved positive pressure, self-contained breathing apparatus and full protective turn out gear.
Extinguishing media	Use carbon dioxide, dry chemical, or water spray.
Hazardous combustion products	None known or expected.
Flash point	>61°C

SECTION 6 - ACCIDENTAL RELEASE MEASURES

General	Review Sections 3, 8 and 12 before proceeding with clean up.
Small spill	Use non-combustible material to absorb spill; then place in a suitable, labeled recovery container. Clean spill area thoroughly.
Large spill	Contain the source of the spill or leak if it is safe to do so. Collect spill with a non-combustible absorbent material and transfer to labeled container for disposal. Clean spill area thoroughly.

SECTION 7 - HANDLING AND STORAGE

General handling	Avoid contact with eyes. Avoid contact with skin and clothing. Avoid breathing vapor or mist.
Storage conditions	Keep in tightly closed containers away from heat and light. Store in a cool, dry place.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits

<u>Compound</u>	<u>Issuer</u>	<u>Type</u>	<u>OEL</u>
Diphenhydramine hydrochloride	Pfizer	TWA-8 Hr	0.05 mg/m ³ (as Diphenhydramine)

Exposure information The exposure limit(s) listed for solid components are only relevant if dust may be generated.

Ventilation Good general ventilation should be sufficient to control airborne levels.

Eye protection Not required under normal conditions of use. Wear safety glasses or goggles if eye contact is possible.

Skin protection None required with normal use of this material. Wear protective clothing with long sleeves when working with large quantities. Wash hands and arms thoroughly after handling this material. Clean up spills immediately.

Hand protection Use appropriate chemical resistant gloves.

Respiratory protection None required under normal and foreseeable conditions of use. If the applicable Occupational Exposure Limits (OELs) is exceeded, wear an appropriate respirator with a protection factor sufficient to control exposures to below the OEL.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical form	Solution
Color	Colorless
Odor	Odorless
pH	No data available
Boiling point	100°C
Melting point	0°C
Density	1.05 g/cm ³
Vapor pressure	23 hPa at 20°C
Water solubility	Soluble
Solvent solubility	No data available

SECTION 10 - STABILITY AND REACTIVITY

Reactivity Stable under normal conditions of use.

Conditions to avoid Avoid direct sunlight, conditions that might generate heat, and sources of ignition.

SECTION 10 - STABILITY AND REACTIVITY ... continued

Hazardous decomposition products None known

Hazardous polymerization No data available

SECTION 11 - TOXICOLOGY INFORMATION

Acute toxicity

<u>Compound</u>	<u>Type</u>	<u>Route</u>	<u>Species</u>	<u>Dosage</u>
Diphenhydramine hydrochloride	LD ₅₀	Oral	Rat	500 mg/kg
	LD ₅₀	Oral	Mouse	114 mg/kg
	LD ₅₀	Oral	Guinea Pig	284 mg/kg
	LD _{min.}	Oral	Human	10.1 mg/kg
	LD ₅₀	IV	Dog	24 mg/kg
	LD ₅₀	IV	Hamster	10 mg/kg
	LD ₅₀	IV	Mouse	20 mg/kg

Eye No data available

Skin Not a skin irritant

Inhalation No data available

Ingestion No data available.

Mutagenicity No data available

Sensitization This material is a skin sensitizer.

Teratogenicity Not expected to cause developmental effects in humans

Additional information Effects reported during consumer use include drowsiness, dizziness, incoordination, gastrointestinal disturbances.

SECTION 12 - ECOLOGICAL INFORMATION

Environmental overview The environmental characteristics of this material have not been fully evaluated. Releases to the environment should be avoided.

SECTION 13 - DISPOSAL INFORMATION

Disposal procedure Observe all local and national regulations when disposing of this material.

SECTION 14 - TRANSPORTATION INFORMATION

General shipping instructions	Not regulated for transport under USDOT, EUADR, IATA, or IMDG regulations.
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SECTION 15 - REGULATORY INFORMATION

WHMIS Classification	This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.
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EU Classification	Not classified
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SECTION 16 - OTHER

Disclaimer	The information contained in this Material Safety Data Sheet is believed to be accurate, and while it is provided in good faith, it is without a warranty of any kind, express or implied.
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