

1090 Horsham Road North Wales, PA 19454 Effective: 10/16/2009

Telephone Calls: (201) 930-3411 Emergency Contact: Chemtrec 1-800-424-9300 24 hours

SECTION 1 - IDENTIFICATION

PRODUCT NAME Budesonide Inhalation SYNONYMS Pulmicort

Suspension Finished Product

CHEMICAL FAMILY Corticosteroid **THERAPEUTIC** Antiinflammatory

CATEGORY

SECTION 2 – HEALTH HAZARD INFORMATION

DANGER – The information in this MSDS is based on the hazards of the **EMERGENCY OVERVIEW**

active ingredient. While diluted, this material may present the following

hazards - POTENTIAL TERATOGEN.

EYE Contact may cause irritation and/or permanent eye damage.

SKIN Contact may cause irritation.

Ingestion may cause irritation. **INGESTION**

INHALATION Breathing of dust may cause irritation to the respiratory tract.

ADVERSE SYSTEMIC

EFFECTS

Hives or rash; swelling of the face, throat, or lips; wheezing or trouble breathing; rapid weight gain; rounded face; easy bruising, or unusual hair growth; swelling in hands, ankles, or feet; unusual tiredness, weakness or dizziness; headache; nausea, vomiting, or stomach pain/upset; new or increased acne; fever, chills, runny nose, cough, sneezing or congestion; nose bleed or dry mouth; sore throat; sores or white patches in mouth or

throat; joint pain; worsening of asthma symptoms; insomnia.

CHRONIC (CANCER) NTP – Not Listed *INFORMATION*

IARC – Not Listed OSHA - Not listed

REPRODUCTION INFO No adequate human studies have been conducted.



 1090 Horsham Road
 Telephone Calls: (201) 930-3411

 North Wales, PA 19454
 Emergency Contact: Chemtrec

 Effective: 10/16/2009
 1-800-424-9300
 24 hours

MEDICAL CONDITIONS/MEDS AGGRAVATED BY EXPOSURE Concomitant administration of other inhibitors of CYP3A4 may increase systemic exposure of Budesonide.

TARGET ORGANS Hypothalamic Pituitary Adrenal (HPA).

APPEARANCE Sterile Suspension for Neubilizer ODOR No information found.

SECTION 3 – INGREDIENT INFORMATION

COMPONENT	CAS NUMBER	% BY WEIGHT
Budesonide	51333-22-3	NA
Disodium Edetate	6381-92-6	NA
Sodium Chloride	7647-14-5	NA
Sodium Citrate	68-04-2	NA
Citric Acid	77-92-9	NA

SECTION 4 – FIRST AID MEASURES

EYES Flush with large quantities of water for 15 minutes.

SKIN Powders: Brush off material, remove contaminated clothing, flush with

large quantities of water for 15 minutes.

INGESTION Flush mouth with water – obtain medical attention.

INHALATION Remove to fresh air.

NOTE TO PHYSICIANS N/A

SECTION 5 – FIRE FIGHTING MEASURES

FLAMMABLE Material is assumed to be combustible. As with all dry powders, it is advisable to ground mechanical equipment in contact with dry material in

order to dissipate static charges.



 1090 Horsham Road
 Telephone Calls: (201) 930-3411

 North Wales, PA 19454
 Emergency Contact: Chemtrec

 Effective: 10/16/2009
 1-800-424-9300
 24 hours

HAZARDOUS COMBUSTION PRODUCTS Emits toxic fumes under fire conditions.

EXTINGUISHING MEDIA

Water spray, dry chemical, carbon dioxide or foam as appropriate for

surrounding fire and materials.

FIRE FIGHTING INSTRUCTION

As with all fires, evacuate personnel to a safe area. Firefighters should use self-contained breathing equipment and protective clothing.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

SMALL Wear appropriate PPE. Scoop up slowly without generating tablets and

generating dust. (NO DRY SWEEPING). Wet wipe surfaces.

SECTION 7 – HANDLING AND STORAGE

HANDLING Keep container closed, minimize dust generation during transfer.

STORAGE Store in tight container.

SECTION 8 – EXPOSURE CONTROL AND PPE

ENGINEERING CONTROLS

Operations involving handling/transferring of dry power should be performed using containment measures (i.e. enclosures, etc.) and local

exhaust ventilation.

RESPIRATORY PROTECTION

Wear appropriate PPE according to dust level.

SKIN PROTECTION Wear appropriate PPE according to dust level.

EYE PROTECTION Wear appropriate PPE according to dust level.

COMPONENTEXPOSURE LIMITBudesonidePIEL 2 μg/m³.Disodium EdetateNo information found.Sodium ChlorideNo information found.



1090 Horsham Road North Wales, PA 19454 Effective: 10/16/2009 Telephone Calls: (201) 930-3411 Emergency Contact: Chemtrec 1-800-424-9300 24 hours

Sodium Citrate No information found. Citric Acid No information found.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT	No information found.	MELTING POINT	166 °C (API)	pН	No information found.
VAPOR PRESSURE	No information found.		VAPOR DENSITY	No information found.	
SOLUBILITY IN WATER	Practically Insoluble. (API)		ODOR	No information found.	
APPEARANCE	Suspension for Neubilizer.		SPECIFIC GRAVITY		
AUTOIGNITION TEMPERATURE	No information found.		FLAMMABLE LIMITS		
MOLECULAR WEIGHT	430.5 (API)		FLASHPOINT N/A		
OCTANOL/WATER COEFFICIENT	No information fo	ound.	EVAPORATIO RATE	<i>N</i> N/A	

SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY This material is considered stable from a safety point of view. (CONDITIONS TO AVOID)

INCOMPATIBILITY No information found.

*HAZARDOUS*When heated to decomposition, material emits toxic fumes.

PRODUCTS

When heated to decomposition, material emits toxic fumes.



1090 Horsham Road North Wales, PA 19454 Effective: 10/16/2009 Telephone Calls: (201) 930-3411 Emergency Contact: Chemtrec 1-800-424-9300 24 hours

HAZARDOUS POLYMERIZATION Will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

EYE No information found.

SKIN TDLo 45.5 mg/kg skin administration rat. (API).

INGESTION No Information found.

INHALATION No Information found.

ACUTE/SUBCHRONIC LD50 (>3200 mg/kg - oral rat). (API).

MUTAGENICITY/ CARCINOGENICITY Animal studies in rats have indicated an increase in hepatocellular tumors and gliomas, however at human equivalent doses, tumorgenicity was not observed (similar results to prednisolone and triamcinolone). Mutagenicity

test battery was negative.

REPRODUCTION Animal studies in rats and rabbits have indicated teratogenicity at low

levels and embryocidal effects. Fertility impairment was not observed.

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL

INFORMATION

No information found.

CHEMICAL FATE INFORMATION

Octanol water coefficient is 1.6 x 10³ @ pH of 5 for the API.

SECTION 13 – DISPOSAL CONSIDERATIONS

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

SECTION 14 – TRANSPORTATION INFORMATION

Finished products in final packaging ready for consumer use are NOT regulated by DOT.



1090 Horsham Road North Wales, PA 19454 Effective: 10/16/2009 Telephone Calls: (201) 930-3411 Emergency Contact: Chemtrec 1-800-424-9300 24 hours

SECTION 15 – REGULATORY INFORMATION

OSHA N/A

CERCLA N/A

SECTION 313 (SARA N/A

TITLE III)

OTHER REGULATIONS N/A

SECTION 16 – OTHER INFORMATION

PREPARED BY Rob Mc Cafferty.

REVISIONS New finished product MSDS.

DISCLAIMER:

Teva Pharmaceuticals, Inc. provides the information contained in this MSDS sheet in good faith but makes no claim as to its accuracy or Comprehensiveness. This MSDS sheet is intended as a guide for a properly trained person to utilize appropriate precautionary methods while handling this product. Individuals must exercise their own judgment in determining the appropriateness of this information for a particular purpose. All MSDS sheets are subject to revision from time-to-time as new information becomes available. Anyone proposing to rely on information regarding the substance that is the subject of this MSDS sheet is responsible for ensuring that he or she has obtained and reviewed the most recent version of the sheet available at the time. Teva Pharmaceuticals, Inc. will not be responsible for damages resulting from the use or misuse of the information contained in this MSDS sheet.