

MATERIAL SAFETY DATA SHEET

Metoclopramide Oral Solution USP

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SECTION 1 - PRODUCT IDENTIFICATION AND HAZARDOUS COMPONENTS

PRODUCT NAME: Metoclopramide Oral Solution, USP SYNONYMS: None

INGREDIENT: Metoclopramide HCl

MOLECULAR FORMULA: $C_{14}H_{22}ClN_3O_2 \cdot HCl \cdot H_2O$

MOLECULAR WEIGHT: 354.28

CHEMICAL NAME: 4-amino-5-chloro-*N*-[2-(diethylamino)ethyl]-*o*-anisamide monohydrochloride monohydrate

CAS NUMBER: 7232-21-5

<u>INGREDIENT</u>	<u>%</u>
Metoclopramide HCl	0.1
Sorbitol Solution 70 %	90.0
Saccharin Sodium	0.04
Methylparaben	0.08
Propylparaben	0.02
Citric Acid Anhydrous	0.7
FD & C yellow No 5	0.0008
FD & C Red No 40	0.0007
French Vanilla Flavor	0.2 v/v
Purified Water	q.s.

SECTION 2 – HEALTH HAZARD DATA

LD 50 LC 50 Mixtures : ORAL LD50 (RAT): 760 MG/KG

Route of Entry Inds – Inhalation: No

Skin: No

Ingestion: No

Carcinogenicity Inds – NTP: No

IARC: No

OSHA: No

Effects of Exposure: METOCLOPRAMIDE-CNS EFFECTS, HIGH/LOW BLOOD PRESSURE, IRREGULAR HEART BEAT, ALLERGIC REACTIONS. MAY ALSO CAUSE METHEMOGLOBINEMIA. MAY CAUSE DNA DAMAGE.

Explanation of carcinogenicity: NONE

Signs and Symptoms of overexposure: METOCLOPRAMIDE-RESTLESSNESS, DROWSINESS, FATIGUE, WEARINESS, INSOMNIA, HEADACHE, CONFUSION, DIZZINESS, MENTAL DEPRESSION, ENDOCRINE DISTURBANCES, NAUSEA, BOWEL DISTURBANCES (DIARRHEA), LOSS OF BLADDER CONTROL, DISORIENTATION, MUSCLE SPASMS, INCOORDINATION, RASH, WELTS, DIFFICULTY BREATHING.

Medical Cond Aggravated by Exposure: ASTHMA

First Aid: REMOVE TO FRESH AIR. GIVE CPR/OXYGEN IF NEEDED. SKIN: WASHW/SOAP & WATER. EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 15 MINUTES. INGESTION: IMMEDIATELY GIVE TWO GLASSES OF WATER & INDUCE VOMITING. NEVER GIVE ANYTHING TO AN UNCONSCIOUS PERSON. OBTAIN MEDICAL ATTENTION IN ALL CASES. NOTE TO PHYSICIAN : METOCLOPRAMIDE IS USED CLINICALLY AS AN ANTIEMETIC, DOPAMINE-RECEPTOR ANTAGONIST. (SUPP)

SECTION 3 – HANDLING AND DISPOSAL

Spill release Procedures: METOCLOPRAMIDE A BULK: USE PROTECTIVE EQUIPMENT DURING CLEAN UP. SOAK UP & PLACE IN ABAG, HOLD FOR DISPOSAL. VENTILLATE AREA & WASH SITE AFTER MATERIAL PICK UP IS COMPLETE.

Waste Disposal Methods: DISPOSE OF IAW/FEDERAL, STATE & LOCAL REGULATIONS, WHERE METOCLOPRAMIDE IS HANDLED IN BULK

DISSOLVE/MIX THE MATERIAL WITH COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH BURNED AND SC RUBBER.

Handling And storage Precautions: STORE AT 20° TO 25°C (68° TO 77°F) [SEE USP CONTROLLED ROOM TEMPERATURE.] PROTECT FROM FREEZING. KEEP BOTTLES TIGHTLY CLOSED.

Other Precautions: AVOID BREATHING VAPORS/MIST 7 CONTACT WITH EYES, SKIN /CLOTHING. DON'T STORE /CONSUME FOOD/DRINK/TOBBACO IN AREAS WHERE THEY MAY BE CONTAMINATED WITH THIS PRODUCT.

EXTINGUISHING MEDIA: Water spray, carbon dioxide, dry chemical, or foam.

SPECIAL FIRE FIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: As with any organic compound, this material may produce toxic carbon monoxide and carbon dioxide fumes if heated to decomposition (as under fire conditions).

SECTION 4 – FIRE AND EXPLOSION HAZARD INFORMATION

Extinguishing Media: WATER SPRAY, FOAM, DRY POWDER (SAND/MELT-L-X), DRY CHEMICAL, CO₂

Fire fighting Procedures: WAER SELF CONTAINED BREATHING APPARATUS & FULL PROTECTIVE EQUIPMENT. EVACUATE AREA &. KEEP PERSONNEL REMOVED & UPWIND.

SECTION 5 – CONTROL MEASURES

Respiratory Protection: WEAR APPROPRIATE NIOSH/MSHA APPROVED AIR PURIFYING RESPIRATOR/POSITIVE PRESSURE AIR SUPPLIED RESPIRATOR IN SITUATIONS WHERE A RESPIRATOR IS JUDGED APPROPRIATE TO PREVENT INHALATION OF VAPOR/MIST.

Protective Gloves: NEOPRENE/TYVEK

Eye Protection: SAFETY GLASSES WITH FULL FACE PROTECTION

Other Protective equipment: IMPERVIOUS CLOTHING (APRON, BOOTS, JUMPSUIT, WHOLE BODYSUIT).

Work Hygienic Practices: REMOVE /LAUNDER CONTAMINATED CLOTHING BEFORE REUSE. WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety And Health: TREAT SYMPTO MATICALLY AND SUPPORTIVELY. TO CONTROL EXTRAPYRAMIDAL REACTIONS,

ANTICHOLINERGIC/ANTIPARKINSONIAN DRUGS/ANTIHISTAMINES WITH ANTICHOLINERGIC PROPERTIES MAY BE HELPFUL. PH 2-5.5.

SECTION 6 – PHYSICAL/ CHEMICAL PROPERTIES

M.P/F.P. Text: 361-363F:

Appearance and odor: ORANGE-COLORED, PALATABLE, AROMATIC, SUGAR-FREE AND ALCOHOL-FREE LIQUID FOR ORAL ADMINISTRATION

SECTION 7 – REACTIVITY DATA

Stability Indicator: YES

Stability Condition To Avoid: Light, heat, freezing

Hazardous Polymerization Indicator: No.

SECTION 9 - DISCLAIMER

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DEFINITIONS OF ABBREVIATIONS USED:

CAS: Chemical Abstract Service

LC₅₀: Median Lethal Concentration

LD₅₀: Median Lethal Dose

NTP: National Toxicology Program

OSHA: Occupational Safety and Health Administration