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JANSSEN PHARMACEUTICA INC -- 05045-8034-05 FENTANYL CITRATE -- 6505-01-335-9390 Product ID:05045-8034-05 FENTANYL CITRATE MSDS Date:06/01/1992 FSC:6505 NIIN:01-335-9390 MSDS Number: BXPDC === Responsible Party === Company Name: JANSSEN PHARMACEUTICA INC Address:1125 TRENTON-HARBOURTON RD City:TITUSVILLE State:NJ ZIP:08560-0200 Country:US Info Phone Num:609-730-214 Emergency Phone Num:609-730-2142 CAGE:GO500 === Contractor Identification === Company Name: JANSSEN PHARMACEUTICA INC **Box:UNKNOW** CAGE:59484 Company Name: JANSSEN PHARMACEUTICAIAAN 3 Address:2440 City:GEAL Country:US Phone:800-227-6701 CAGE:GO500 ======= Composition/Information on Ingredients ======== Ingred Name:FENTANYL CITRATE *95-2* CAS:990-73-8 RTECS #:UE5600000

LD50 LC50 Mixture:ORAL LD50 (RAT): 18 MG/KG

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic: INGESTION/INHALATION: RESPIRATORY & CARDIAC ARREST FOLLOWED BY DEATH. **Explanation of Carcinogenicity:NONE** Effects of Overexposure: NAUSEA, VOMITING, CONSTIPATION, FATIGUE, IRRITABILITY, SEDATION, RESTLESSNESS, DIZZINESS, FEELING OF WEAKNESS, PALPITATIONS, SLOW HEART BEAT, RESPIRATORY DIFFICULTIES, POOR CIRCULATION, LOWERING OF BL OOD PRESSU RE, COMA. First Aid:INGESTION: RINSE MOUTH W/WATER & KEEP AWAKE. EYES: THOROUGHLY RINSE W/RUNNING WATER FOR 10-15 MINS. SKIN: THOROUGHLY WASH W/SOAP & WATER. INHALATION: REMOVE TO FRESH AIR. GIVE CPR IF NEEDED. KEEP WARM & QUIET. OBTAIN MEDICAL ATTENTION IN ALL CASES. SPECIFIC ANTIDOTE: NALORPHINE/NALOXONE. GASTRIC LAVAGE OF 20MG/100ML OF AQUEOUS POTASSIUM PERMANGANATE FOLLOWED BY 30G SODIUM SULFATE IN 250ML WATER. Extinguishing Media: WATER, POWDER, HALONES, CO2, SAND. Fire Fighting Procedures: COOL CONTAINERS THREATENED BY FIRE W/ATOMIZED WATER. AVOID DISPERSION OF DUST. WEAR GLOVES, PROTECTIVE CLOTHING & COMPRESSED-AIR EQUIPMENT. ========= Accidental Release Measures ============= Spill Release Procedures: CAREFULLY COLLECT, SCOOP UP & STORE IN A CLOSED CONTAINER FOR DESTRUCTION AS CHEMICAL W ASTE. WEAR SUITABLE GLOVES/DISPOSASBLE CLOTHES W/HOOD & A COMPRESSED-AIR MASK/HOOD. UPON DUST DISPERSION, DEMARCA TE SURROUNDINGS BEFORE CLEANING UP. (SEE SUPP) ============ Handling and Storage =========================== Handling and Storage Precautions: RINSE CONTAINERS & TOOLS USED W/SUITABLE SOLVENT BEFORE TRANSFER TO WASHING ROOM. ====== Exposure Controls/Personal Protection ======== Respiratory Protection: WEAR A COMPRESSED-AIR MASK, COMPRESSED-AIR

HOOD/BREATHE EASY. NO DUST MASK/DISPOSABLE MASK. Protective Gloves:SUITABLE Eye Protection: FACE SCREEN Other Protective Equipment: DISPOSABLE CLOTHES W/HOOD Work Hygienic Practices: IMMEDIATELY REMOVE CONTAMINATED CLOTHING & COLLECT THEM IN A PLASTIC BAG FOR DESTRUCTION. Supplemental Safety and Health SPILLS CONT'D: COLLECT DISPOSABLE CLOTHES IN A PLASTIC BAG FOR DESTRUCTION, PRODUCT IS A RAPID & POTENT MORPHINE-LIKE ANALGESIC/PAINKILLER. ======= Physical/Chemical Proper ties ========= Melt/Freeze Pt:M.P/F.P Text:298.4-302F 8.E:Hq Solubility in Water:27 G/L Appearance and Odor: WHITE, CRYSTALLINE, HYGROSCOPIC POWDER. ======== Stability and Reactivity Data ==========

Stability Indicator/Materials to Avoid:YES STRONG ACIDS, OXIDANTS. Stability Condition to Avoid: MOISTURE. Hazardous Decomposition Products:NITROUS OXIDES, CO.

======= Disposal Considerations ============

Waste Disposal Methods: DISPOSE OF IAW/FEDE **RAL, STATE & LOCAL REGULATIONS. UN2811**

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