



MSDS

Material Safety Data Sheet
November 7, 2007

Section 01: Chemical Product Identification

Domestic Trade Name: Titan ASD 200™ (Powder)
Export Trade Name: Titan ASD 200™ (Powder)
Chemical Type: Water Soluble Polymer

Section 02: Information on Hazardous Ingredients

Non-Hazardous Ingredients

Section 03: Hazards Identification

Acute Toxicity

Oral Toxicity: Rat LD50>100,000 mg/kg
Dermal Toxicity: Not Absorbed Topically
Inhalation Toxicity: Exposure to Spray Will Cause Irritation to Mucous Membranes and Respiratory System
Skin Irritation: Rabbit; No Irritation Observed
Sensitizer: No Human Repeat Insult Patch Test; Not a Sensitizer
DOT Corrosive: Not Applicable
Primary Route of Entry: Contact

Signs and Symptoms of Exposure

Symptoms of Ingestion: No Effect of Exposure Expected
Symptoms of Inhalation: If Misted, No Effects Expected
Symptoms of Skin Contact: No Effects Expected
Symptoms of Eye Contact: No Effects Expected With the Exception of Possible Irritation

Medical Conditions Aggravated by Exposure: None Known

Other Toxicity:

Sub Chronic Oral Toxicity: None Known
Sub Chronic Inhalation Toxicity: None Known
Aquatic Toxicity: None Known
Mutagenicity: This product has been screened by the Ames Test and found not to be a mutagen

Section 04: First Aid Measures

First Aid For Ingestion: Do not induce vomiting, give 2 glasses of milk and several glasses of water. Never Give Anything by Mouth to an Unconscious Person. Call a Physician Immediately.
First Aid Inhalation: None Required
First Aid Eye Contact: For all Foreign Materials; Immediately Flush Eyes with Plenty of Water
First Aid Skin Contact: For all Foreign Materials; Wash After Exposure

Section 05: Fire Fighting Measures

Autoignition Temp: N/A
Flammable Limits: LEL (Lower Explosive Limits) N/A
Fire Fighting Media: Use Media Appropriate to Primary Cause of Fire
Special Fire Fighting Procedures: None Known
Fire/Explosion Hazards: None Known
NFPA Hazard Codes - Health/Flammability/Reactivity; 0,0,0
HMIS Hazard Codes - Health/Flammability/Reactivity; 0,0,0

Section 06: Accidental Release Measures

Spill/Leak Clean-Up Procedures: If Possible, Neutralize with Alkaline Soap. Absorb with approved liquid spill absorbent. Dispose of with Solid Waste According to Federal, State, and Local Regulations. Flush Spill with Water.

***CAUTION:** Floor will be Slippery.

Section 07: Handling and Storage

Precautionary Measures: Avoid Breathing Spray

Disposal Method: Dispose of with Solid Waste According to Federal, State and Local Regulations

RCRA Class: Not Regulated

Section 08: Exposure Control/Personal Protection

Ventilation: Use with Normal Adequate Ventilation

Respiratory Protection: Dust Masks Where Spraying cannot be Avoided

Eye Protection: Safety Glasses

Skin Protection: Use OSHA Approved Neoprene Gloves, Boots, and Apron

Personal Hygiene: Observe Ordinary Measures of Personal Hygiene

Section 09: Physical and Chemical Properties

Boiling Point: NA

Vapor Pressure: NA

Vapor Density: NA

Water Solubility: Complete

Melting/Freezing Point: NA

Appearance: White powder

Specific Gravity: NA

Percentage Volatile: 1%

Evaporation Rate: NA

pH of Solution: 2.0-3.0 (5% Solution)

Odor: none

Section 10: Stability and Reactivity

Stability: Stable

Hazardous Polymerization: Will not Occur

Conditions to Avoid: None Known

Incompatible Materials: Strong Oxidizing or Reducing Agents

Hazardous Decomposition Products: None Known

Section 11: Transport Information

Domestic Data

Dot Shipping Name: Not Regulated

Dot Hazard Class: Not Regulated

Hazardous Ingredients: None

Export Data

Export Shipping Name: Not Regulated

Export Hazard Class: Not Regulated

Hazardous Ingredients: None

UN Number: None

**For Chemical Emergency
Spill Leak Fire Exposure or Accident
Call CHEMTREC Day or Night**

**DOMESTIC NORTH AMERICA 800-424-9300
INTERNATIONAL, CALL 703-527-3887 (collect calls accepted)**

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