



**Prairie Mud Service**

*Fluid Solutions Thru Experience and Technology*

# I-ZAN DGX Safety Data Sheet

Supersedes: November 5, 2019

Revised: May 25, 2021

## SECTION 1. IDENTIFICATION

**Product Identifier** I-ZAN DGX  
**Other Means of** Polysaccharide Gum, xanthan gum

**Identification** Oil Field Drilling Fluid Compound  
**Recommended Use** None Known  
**Restrictions on Use**

**Initial Supplier Identifier** Prairie Mud Service  
738 6th Street, Estevan, SK. S4A  
1A4  
306-634-3411

**Emergency Telephone Number** CANUTEC, (613) 996-6666, 24/7

## SECTION 2. HAZARD IDENTIFICATION

**Classification** Combustible dust – Category 1  
**Hazard statement** May form combustible dust concentrations in the air.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration (%)	Common name / Synonyms	Other identifiers
Polysaccharide gum	11138-66-2	98-100%		

## SECTION 4. FIRST-AID MEASURES

**Inhalation** Move to fresh air. Call a Poison Centre or doctor if you feel unwell.

**Skin Contact** Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes.

**Eye Contact** Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. If a contact lens is present, DO NOT delay flushing or attempt to remove the lens.

**Ingestion** Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. Call a Poison Centre or doctor if you feel unwell.

**First Aid Comments** If exposed or concerned, get medical advice or attention.

**Most Important Symptoms and Effects, Acute and Delayed**  
If inhaled: Can irritate the nose and throat.  
If on skin: Repeated or prolonged exposure can irritate the skin.  
If in eyes:

May cause slight irritation as a "foreign object". Tearing, blinking and mild temporary pain may occur as particles are rinsed from the eye by tears.

## SECTION 5. FIRE-FIGHTING MEASURES

<b>Extinguishing Media Suitable</b>	Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.
<b>Extinguishing Media Unsuitable</b>	None known.
<b>Extinguishing Media Specific Hazards</b>	Can ignite if strongly heated.
<b>Arising from the Product</b>	In a fire, the following hazardous materials may be generated: carbon dioxide, carbon monoxide, hydrocarbons.
<b>Special Protective Equipment and Precautions for Fire-Fighters</b>	A full-body encapsulating chemical protective suit with positive pressure SCBA may be necessary.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions, Protective Equipment, and Emergency Procedures</b>	Use the personal protective equipment recommended in Section 8 of this safety data sheet.
<b>Methods for Containment and Cleaning Up</b>	Stop or reduce leak if safe to do so. Avoid generating dust. Collect using shovel/scoop or approved HEPA vacuum and place in a suitable container for disposal. Hose spill area thoroughly with water. Use caution as the product is extremely slippery when wet.
<b>Environmental Precautions</b>	Do not allow into any sewer, on the ground or into any waterway.

## SECTION 7. HANDLING AND STORAGE

<b>Precautions for Safe Handling</b>	Only use where there is adequate ventilation. Avoid generating dusts. Avoid ignition sources. Airborne dust concentrations above 20mg/L may create a dust explosion hazard. Keep container closed. Discard or thoroughly clean contaminated clothing and shoes before re-use. It is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling.
<b>Conditions for Safe Storage</b>	Store in an area that is: cool, dry. Keep container closed when not in use.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Appropriate Engineering Controls</b>	Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air.
<b>Individual Protection Measures</b>	
<b>Eye/Face Protection</b>	Wear chemical safety goggles.

<b>Skin Protection</b>	Avoid repeated or prolonged skin contact.
<b>Hand protection</b>	
<b>Other</b>	Wear suitable protective clothing.
<b>Respiratory Protection</b>	Wear a powered air-purifying respirator with an appropriate cartridge.
<b>Thermal hazards</b>	
<b>General hygiene considerations</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Beige powder
<b>Odour</b>	Slight
<b>Odour Threshold</b>	Not available
<b>pH</b>	7.0 (1% solution)
<b>Melting Point and Freezing Point</b>	Wear a powered air-purifying respirator with an appropriate cartridge.
<b>Initial Boiling Point and Boiling Range</b>	Not available
<b>Flash Point</b>	Not available
<b>Evaporation Rate</b>	Not available
<b>Flammability (solid, gas)</b>	Not available
<b>Upper and Lower Flammability or Explosive Limit</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density (air = 1)</b>	Not available
<b>Relative Density (water = 1)</b>	1.4 - 1.6
<b>Solubility in Water</b>	Soluble in water
<b>Solubility in Other Liquids</b>	Not available
<b>Partition Coefficient, n-Octanol / Water (Log Kow)</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Viscosity</b>	Not available
<b>Density</b>	Not available
<b>Explosive properties</b>	Not available
<b>Oxidizing properties</b>	Not available
<b>Percent volatile</b>	Not available
<b>Specific gravity</b>	Not available
<b>Physical state</b>	Solid

## SECTION 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	
<b>Chemical Stability</b>	Normally stable
<b>Possibility of Hazardous Reactions</b>	Hazardous polymerization will not occur.

<b>Conditions to Avoid</b>	Protect from moisture
<b>Incompatible Materials</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	Oxides of carbon

## SECTION 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure

Inhalation    Skin contact    Eye contact    Ingestion

#### Information on likely routes of exposure

**Ingestion** Not harmful.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Skin Corrosion / Irritation** Repeated or prolonged exposure can irritate the skin.

**Serious Eye Damage / Irritation** May cause slight irritation as a "foreign object". Tearing, blinking and mild temporary pain may occur as particles are rinsed from the eye by tears.

**STOT (Specific Target Organ Toxicity) - Single Exposure** Can irritate the nose and throat.

**Aspiration Hazard**

**STOT (Specific Target Organ Toxicity) - Repeated Exposure** No information was located for: STOT (Specific Target Organ Toxicity) - Repeated Exposure, Respiratory and/or Skin Sensitization, Carcinogenicity, Development of Offspring, Sexual Function and Fertility, Germ Cell Mutagenicity, Interactive Effects

**Respiratory and/or Skin Sensitization** Not available

## SECTION 12. ECOLOGICAL INFORMATION *(section heading must appear; all content is optional)*

**Ecotoxicity** Studies were not located.

**Persistence and Degradability** No information was located.

**Bioaccumulative Potential** No information was located.

**Mobility in Soil** No information was located.

**Other Adverse Effects**

## SECTION 13. DISPOSAL CONSIDERATIONS *(section heading must appear; all content is optional)*

**Disposal Methods** Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

## **SECTION 14. TRANSPORT INFORMATION**

**Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations.**

<b>Special Precautions Environmental Hazards</b>	Not applicable
<b>Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code</b>	Not established

## **SECTION 15. REGULATORY INFORMATION**

<b>Safety, Health and Environmental Regulations</b>	<b>WHMIS 1988 Classification</b> Not a WHMIS controlled product
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## **SECTION 16. OTHER INFORMATION**

<b>Date of Latest Revision</b>	August 20, 2018
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*WHMIS 2015 Template Provided by CCOHS, 2015*