



Safety Data Sheet

I-ZAN DGX

SECTION 1. IDENTIFICATION

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

Identification
Recommended Use Oil Field Drilling Fluid Compound
Restrictions on Use None Known
Initial Supplier Identifier Integrity Chemical Solutions Inc.
205 Crystal Shores Drive
Okotoks, Alberta
T1S 2L1

Emergency Telephone Number 403.988.7695

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

Extinguishing Media

Suitable Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

Extinguishing Media

Unsuitable None known.

Extinguishing Media

Specific Hazards

Can ignite if strongly heated.

Arising from the

In a fire, the following hazardous materials may be generated: carbon dioxide, carbon monoxide, hydrocarbons.

Product

Special Protective

A full-body encapsulating chemical protective suit with positive pressure SCBA may be necessary.

Equipment and

Precautions for Fire-

Fighters

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions,

Protective

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Equipment, and

Emergency

Procedures

Methods for

Containment and

Cleaning Up

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.

Environmental

Precautions

Do not allow into any sewer, on the ground or into any waterway.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

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.

Conditions for Safe Storage

Store in an area that is: cool, dry. Keep container closed when not in use.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate Engineering Controls Individual Protection Measures

Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air.

Eye/Face Protection

Wear chemical safety goggles.

Skin Protection	Avoid repeated or prolonged skin contact.
Hand protection	
Other	Wear suitable protective clothing.
Respiratory Protection	Wear a powered air-purifying respirator with an appropriate cartridge.
Thermal hazards	
General hygiene considerations	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

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

SECTION 10. STABILITY AND REACTIVITY

Reactivity	
Chemical Stability	Normally stable
Possibility of Hazardous Reactions	Hazardous polymerization will not occur.

Conditions to Avoid	Protect from moisture
Incompatible Materials	Strong oxidizing agents.
Hazardous Decomposition Products	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.

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

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations	WHMIS 1988 Classification Not a WHMIS controlled product
---	--

SECTION 16. OTHER INFORMATION

Date of Latest Revision	August 20, 2018
------------------------------------	-----------------

WHMIS 2015 Template Provided by CCOHS, 2015