

SAFETY DATA SHEET

SECTION 1 IDENTIFICATION

Product

Name: **Smectite**

Other Names: Gel; Gelite; Gel Noodles; IGB; IGBA; Invite; Saponite; Bentonite

Recommended Uses: Suspension agent; gelling agent; filtering

Company Identification:

IMV Nevada
P.O. Box 86
498 E Invite Rd
Amargosa Valley, Nevada 89020
775-372-5341

Emergency Phone Number:

800-243-0513

775-372-5341

SECTION 2 HAZARDS(S) IDENTIFICATION

Classification

Carcinogen – Category 1

Specific Target Organ Toxicity Single Exposure – Category 3
(Respiratory System)

Specific Target Organ Toxicity Repeat Exposure – Category 1
(Respiratory System)

Labeling:

Pictograms:



Signal Word(s): Danger

Hazard Statements: May cause respiratory irritation.

Causes damage to lungs through prolonged or repeated exposure when inhaled.

May cause cancer through inhalation.

Precautionary Statements:

Wash exposed skin thoroughly after handling. Do not breathe dust. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not eat, drink or smoke when using this product.

If exposed or concerned: Get medical advice

Dispose of contents or containers in accordance with applicable regulations.

Other Hazards: None.

SECTION 3	COMPOSITION/ INFORMATION ON INGREDIENTS
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Chemical Name: Smectite

Common names and synonyms: Bentonite; Saponite

Chemical Identity	CAS #	Concentration, % Wt.
Bentonite	1302-78-9	0 - 97
Saponite	1319-41-1	0 - 97
Crystalline Silica	14808-60-7	< 3

SECTION 4	FIRST AID MEASURES
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Inhalation: Move victim to fresh air. Seek medical attention if necessary.

Ingestion: Do not induce vomiting. Seek medical attention immediately. Never give anything by mouth unless instructed to do so by medical personnel.

Most important symptoms and effects, both acute and delayed: This product contains crystalline silica, which has been classified by IARC as (Group I) carcinogenic to humans when inhaled. Inhalation of silica can also cause a chronic lung disorder, silicosis.

Note to Physician: Provide general supportive measures and treat symptomatically.

SECTION 5	FIREFIGHTING MEASURES
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Extinguishing Media

Appropriate Extinguishing Media: Use dry chemical fire extinguisher or water

Inappropriate Extinguishing Media: None

Firefighting

Fire Hazards: Smectite is not combustible or flammable. Smectite is not considered to be an explosive hazard.

Hazardous Combustion Products: None

Special Protective Equipment and Fire Fighting Instructions: None

SECTION 6	ACCIDENTAL RELEASE MEASURES
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Personal Precautions: Use proper protective equipment.

Environmental Precautions: For large spills, as much as possible, avoid the generation of dusts. Prevent release to sewers or waterways.

Methods and Materials for Containment and Cleaning Up:

Small Spills: Use dry methods to collect spilled materials. Avoid generating dust. Do not clean up with compressed air. Residue on surfaces may be water washed.

Large Spills: Use dry methods to collect spilled materials. Evacuate area downwind of clean-up operations to minimize dust exposure.

SECTION 7	HANDLING AND STORAGE
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Precautions for Safe Handling: None

Conditions for Safe Storage, Including any Incompatibilities: None

SECTION 8	EXPOSURE CONTROLS/PERSONAL PROTECTION
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Control Parameters:

Component	CAS #	Exposure Limits
Bentonite	1302-78-9	OSHA PEL: 15 mg/m ³ (total); 5 mg/m ³ (respirable) ACGIH TLV: 10 mg/m ³
Saponite	1319-41-1	OSHA PEL: 15 mg/m ³ (total); 5 mg/m ³ (respirable) ACGIH TLV: 10 mg/m ³
Crystalline Silica	14808-60-7	OSHA PEL: 10 mg/m ³ divided by (the percentage of silica in the dust plus 2) (respirable) ACGIH TLV: 0.025 mg/m ³ (respirable)

Appropriate Engineering Controls: Provide ventilation adequate to maintain PELs.

Personal Protection

Respiratory Protection: Use NIOSH approved respirators if airborne concentration exceeds PEL.

Eye Protection: Use safety glasses with side shields or safety goggles.

Skin Protection: Clothing should fully cover arms and legs.

Other: Eye wash fountain and emergency showers are recommended.

SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State:	Solid
Color:	White; Light gray, tan or reddish tan
Odor:	Earthy odor
Odor Threshold:	N/ A
pH:	4-8 @ 25° C
Melting Point:	N/A
Initial Boiling Point:	N/A
Freezing Point:	N/ A
Flash Point:	N/ A
Evaporation Rate:	N/ A
Flammability (solid, gas):	Non-flammable
Explosion Limits:	N/ A
Vapor Pressure:	N/ A
Vapor Density:	N/ A
Relative Density:	1.9 – 2.4 g/ cm ³ (apparent)
Solubility(ies):	Insoluble in water
Partition coefficient:	N/ A

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Smectite – May 1, 2015

Auto-ignition Temperature: N/ A

Decomposition Temperature: N/ A

Viscosity: N/A

SECTION 10

STABILITY AND REACTIVITY

Reactivity: Normally stable.

Chemical Stability: Smectite is chemically stable.

Possibility of Hazardous Reactions: Normally stable

Conditions to Avoid: N/A

Incompatible Materials: None known

Hazardous Decomposition Products: None

SECTION 11

TOXICOLOGICAL INFORMATION

Health Effects: see First Aid discussion in Section 4

Routes of Exposure: see First Aid discussion in Section 4

Symptoms Related to Exposure: see First Aid discussion in Section 4

Carcinogen Listing: Smectite is not listed by MSHA, OSHA, or IARC as a carcinogen, but this product contains crystalline silica, which has been classified by IARC as (Group I) carcinogenic to humans when inhaled.

SECTION 12

ECOLOGICAL INFORMATION

Ecotoxicity: None Expected

Persistence and Degradability: N/A

Bioaccumulation Potential: This material shows no bioaccumulation effect or food chain concentration toxicity.

Mobility in Soil: Minimal mobility in soil.

Other Adverse Effects: N/A

SECTION 13

DISPOSAL CONSIDERATIONS

Disposal Recommendations: Dispose of in accordance with all applicable federal, state, and local environmental regulations.

Regulatory Disposal Information: If this product as supplied, and unmixed, becomes a waste, it will not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act.

SECTION 14

TRANSPORT INFORMATION

UN Number: Not Regulated
UN Proper Shipping Name: Not Regulated
Transport Hazard Class(es): Not Regulated
Packing Group: Not Regulated
Marine Pollutant (y/n): No
Special Precautions: None

SECTION 15

REGULATORY INFORMATION

National Chemical Inventory Listings:

All chemical ingredients are listed on the USEPA TSCA Inventory List.

US Regulations:

RCRA Hazardous Waste Number: not listed (40 CFR 261.33)
RCRA Hazardous Waste Classification (40 CFR 261): not classified
CERCLA Hazardous Substance (40 CFR 302.4) unlisted specific per RCRA, Sec. 3001;
CWA, Sec. 311 (b) (4); CWA, Sec. 307(a), CAA, Sec. 112
CERCLA Reportable Quantity (RQ) not listed.
SARA 311/312 Codes: not listed.
SARA Toxic Chemical (40 CFR 372.65): not listed.
SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed, Threshold Planning
Quantity (TPQ): not listed

Specific State Regulations: Consult State and Local authorities for guidance. Components found in this product may contain trace amounts of inherent naturally occurring elements (such as, but not limited to arsenic and cadmium) that may be regulated under California Proposition 65 and other States regulations.

Canada DSL: Listed

Canadian WHMIS Listing:

“D2A” Materials causing other toxic effects



SECTION 16

OTHER INFORMATION

Prepared By: Lhoist North America Technical Services

Date Prepared: May 1, 2015

Revision: 2015-1

Abbreviations:

N/A	Not Available or Not Applicable
IARC	International Agency for Research on Cancer
LATA	International Air Transport Association
	ACGIH American Conference of Governmental
ACGIH	Industrial Hygienists
TWA	Time Weighted Average
PEL	Permissible Exposure Limit
TLV	Threshold Limit Value
REL	Recommended Exposure Limit

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