Material Safety Data Sheet

Section 1 – Chemical Product and Company Identification

Product Name: Integrity Pillowz

Supplier's Name: Integrity Products & Supplies Inc.

Address: 56 Liberty Road, Sherwood Park, AB T8H 2J6

Section 2 – Hazards Identification

Classification according to Regulation (EC) No 1272/2008:

The product is not a dangerous chemical according to Regulation (EC) No 1272/2008.
Signal word(s): None

Other hazards: None

Section 3 – Composition/information on Ingredient

Chemical Name		Content (%)	CAS No.
INTEGRITY PILLOWZ	SiO_2	52-56	14464-46-1
	Al_2O_3	12-16	1344-28-1
	CaO	16-25	1305-78-8
	MgO	0-6	1309-48-4
	B_2O_3	4-8	1303-86-2
	Na_2O, K_2O	0-3	1313-59-3
	TiO_2	0-0.8	13463-67-7
	Fe_2O_3	0.05-0.4	1309-37-1
	F_2	0.08	7782-41-4
	Cr_2O_3	<0.1	1308-38-9

Note：This ingredient list information is provided by the customer.

Section 4 – First Aid Measures

Skin touch: In case of exposure to the sample, take off the contaminated clothes and flush with plenty of water.

Eyes touch: In case of the sample contact with eyes, rinse immediately with plenty of water. Have the victims

remove contact lenses if he is wearing them before rinsing. Do not let the victims rub his eyes. Get medical aid.

Inhalation: Remove the victims to the fresh air and keep the respiratory tract smooth. Use oxygen if breathing is difficult. Get medical aid.

Ingestion: If accidentally eat the product, rinsing mouth with water. Never give anything by mouth to an unconscious person. Get medical aid.

Section 5 – Fire Fighting measures

Extinguishing media: Misty water, foam, dry powder, CO_2, etc.

Danger characteristic: Stable at room temperature.

Hazardous combustion products: Carbon monoxide, carbon dioxide, etc.

Special hazards arising from the substance or mixture: It is flammable, and its vapor can form explosive mixture with air. It can cause explosion when exposed to open flame and high heat energy. Contact with an oxidant to cause a chemical reaction or cause combustion. In a fire scene, heated containers are at risk of explosion. Its vapor is heavier than air, and can spread to a relatively low place at a lower place.

Advice for fire fighters: The staff must be equipped with filtermask (full mask) or isolated breathing apparatus. The staff must wear the clothes which can defence the fire and the toxic gas. Put out fire in the upwind direction. Spraying water on the product in the fireplace to keep them cool until finish extinguishment.

Section 6 – Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. Avoid breathing the sample vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

For personal protection see section 8.

Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up: Ensure adequate ventilation. Collect the waste in proper close containers.

Reference to other sections: For disposal see section 13.

Section 7 – Handling and storage

Precautions for safe handling: Operators must be trained technically and comply with the operation procedures strictly. Keep away from heat source and open flame. Equip with corresponding varieties and number of fire equipment and emergency equipment.

Conditions for safe storage, including any incompatibilities: Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Separated from oxidant, acid and alkali. Equip with corresponding varieties and number of fire equipment and emergency equipment.

Section 8 – Exposure controls, Personal Protection

Control parameters: No information is available.

Monitoring Method: No information is available.

Engineering Control: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Respiratory Protection: Generally, no special protection is required. Filter-type gas masks (half-masks) can be worn when exposed to high concentrations.

Eyes/face Protection: Generally, no special protection is required.

Body protection: General protection and hygiene measures. Follow general precautions for handling chemicals. Stay away from food, drinks and food. Avoid eye contact.

Hands Protection: Handle with gloves.

Other Protections: None

Section 9 – Physical and Chemical Properties

Appearance: Fibrous panniform

Colour: White

Odour: None

pH Value: No information is available.

Boiling point: No information is available.

Melting Point: No information is available.

Flashpoint: No information is available.

Density: No information is available.

Upper flammable (explosive) limits in air-Lower (vol%)-UEL: No information is available.

Oxidising properties: No information is available.

Vapour pressure: No information is available.

Solubility in water: No information is available.

Partition coefficient (n-octanol / water): No information is available.

Viscosity: No information is available

Vapour density: No information is available

Evaporation rate: No information is available

Ignition temperature: No information is available.

Section 10 – Stability and Reactivity

Reactivity: Stable at room temperature.

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: No information is available.

Conditions to avoid: Moisture-proof.

Incompatible materials: No information is available.

Hazardous decomposition products: No information is available.

Section 11 – Toxicological Information

Acute Toxicity: LD50: 3059mg / kg (mouse abdominal cavity) (CaO).

Intraperitoneal LD50 of mice was 1868mg / kg, oral LD50 of mice was 3163mg / kg, and oral LD50 of mice was 3163mg / kg. Irritating to nose, eyes and skin, causing conjunctivitis and rash (B_2O_3).

LC50: > 12000mg / kg (oral administration in mice); ADI: Unlimited (FAO / who-1994) (TiO_2).

LC50: 233mg / m3 (rat inhalation, 1H) (F_2).

Sub-acute and Chronic Toxicity: Mice, guinea pigs, rabbits and dogs inhaled 25,8,3,0.8mg/m3 for 35 days respectively. The animal mortality was less than 40%. At autopsy, bronchitis, bronchiectasis, pulmonary hemorrhage and pulmonary edema were found (F_2).

Irritation: On the skin: may cause inflammation, Above the eyes: may cause inflammation (Al_2O_3).

Mild irritation to conjunctiva and nasal mucosa, Steam can cause ulcers (MgO).

On the skin: may cause inflammation; Above the eyes: the effects of irritation (TiO_2).

It can cause eyelid irritation, permanent conjunctival coloring, tracheitis and chronic cough (Fe_2O_3).

Human eye: 25ppm (5min), mild irritation (F_2)

Sensitization: No information is available.

Mutagenicity: No information is available.

Carcinogenicity: No information is available.

Reproductive toxicity: No information is available.

Specific target organ toxicity - single exposure: No information is available.

Specific target organ toxicity - repeated exposure: No information is available.

Aspiration hazard: Dust can cause dyspnea, chest pain, cough, non diffuse interstitial fibrosis and emphysema. The maximum allowable concentration in the United States is 10mg/m^3 (MgO).

Chromium compounds have local irritant effects on skin and mucosa and can cause ulcers (Cr_2O_3).

Inhalation of this aerosol can cause perforation of nasal septal cartilage, damage to respiratory organs, and even cause pulmonary sclerosis (Cr_2O_3).

Others: Metal smog heat that can cause symptoms like influenza (Fe_2O_3).

Section 12 – Ecological Information

Eco-toxicity: This substance may be harmful to the environment. Special attention should be paid to water bodies.

Persistence and degradability: No information is available.

Bioaccumulative potential: No information is available.

Mobility in soil: No information is available.

Results of PBT and vPvB assessment: No information is available.

Other adverse effects: If it is slightly harmful to water, do not let undiluted or a large number of products come into contact with groundwater, waterways or sewage systems. Do not discharge materials into the surrounding environment without government permission.

Section 13 – Disposal Considerations

Nature of waste: Please refer to relevant national and local regulations before disposal.

Waste disposal methods: Refer to national or local regulations before handling. Recommended incineration.

Attention abandoned: Undiluted product cannot enter the sewer system.

Section 14 - Transport information

UN Number: No information is available.

Class: No information is available.

Packing group: No information is available. **Proper shipping name:** Fiberglass needled mat **Packaging**

Mark: No information is available. **Packaging Method:** Sealed airtight packing

Transport Fashion: By sea, by road, by air, by railway.

Transport Attentions: Examine whether the packages are integrate and sealed or not before transport. No collapse, no fall or no damage during the course of transportation. Prevent the product from exposing to the sun, the rain and high temperature. Stopovers should be away from fire and heat sources. It is strictly prohibited to mix and transport with oxidants and acids. When shipping, it should be isolated from the engine room, power source and fire source. When transporting by road, follow the prescribed route.

Section 15 – Regulatory Information

Regulatory Information:

ISO 11014-2009 Safety data sheet for chemical products – Content and order of sections.

REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

REGULATION (EU) No 453/2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

The international Maritime Dangerous Goods (IMDG) Code

International Air Transport Association (IATA) Dangerous Goods Regulations 62nd, 2021

The European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)

The Regulations Concerning the International Transport of Dangerous Goods by Rail (RID)

U.S. Department of Transportation (DOT)

Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

Section 16 – Additional Information

The above information is based on the data that the client supplied of which we are aware and is believed to be correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the result of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for this particular purpose.