

**SAFETY DATA SHEET (SDS)****Section 1. Identification**

Product identifier	LABTEC ALUMINUM OXIDE
Other means of identification	AO36 or AO240
Recommended use and restrictions on use	Anti-Slip Agent
Initial supplier identifier	LabSurface. 101-1079 des Forges, Terrebonne, J6Y0J9, Qué (Canada) Tél. (450) 966-9000
Emergency telephone number/restriction on use	Canada – CANUTEC Number 24 hours 613-996-6666

Section 2. Hazard Identification**Classification of hazardous product (name of the category or subcategory of the hazard class)**

Carcinogenicity (Category 2)

Information elements (symbols, signal words, hazard statements and precautionary statements of the category/subcategory)**Warning**

H351 Suspected of causing cancer.

Prevention

P202 Do not handle until all safety precautions have been read and understood. P280 Wear gloves/protective clothing/gloves/eye protection/face protection.

Response

IF SWALLOWED: P301 + P312 Call a POISON CENTER/doctor if you feel unwell. P330 Rinse mouth.

IF ON SKIN: P302 + P352 Wash with plenty of water. P312 Call a POISON CENTER/doctor if you feel unwell.

IF INHALED: P304 + P340 Remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTER/doctor if you feel unwell.

IF IN EYES: P305 + P351 + P338 Rinse cautiously with water. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical attention.

P308 + P313 IF exposed or concerned: Get medical attention.

Storage

P405 Store locked up.

Disposal

P501 Dispose of contents/container into safe container in accordance with local, regional or national regulations.

Other hazards known | None**Section 3. Composition/Information on Ingredients**

Chemical name (common name/synonyms)	CAS number or other	Concentration (%)*
Titanium dioxide	13463-67-7	<1 %

*Statement - This safety data sheet provides concentration range(s) instead of the actual concentration(s) considered trade secret(s).

Section 4. First-Aid Measures

Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. If symptoms persist, seek medical attention.
Ingestion	IF SWALLOWED: Rinse mouth thoroughly with water. Prevent aspiration of vomit. Call for medical help immediately.
Skin contact	IF ON SKIN: Remove contaminated clothing, wash immediately with soap and water (20 - 30 minutes). If skin irritation occurs: Get medical attention.
Eye contact	IF IN EYES, Rinse cautiously with water for several minutes (20 - 30 minutes). Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Most important symptoms and effects (acute or delayed) | Suspected of causing cancer.**Indication of immediate medical attention/special treatment** | In all cases, call a doctor. Do not forget this document.**Section 5. Fire-Fighting Measures****Specific hazards of the hazardous product (hazardous combustion products)**

No further relevant information available.

Suitable and unsuitable extinguishing media

In case of fire: Use fire extinguishing methods suitable to surrounding conditions.

Special protective equipment and precautions for fire-fighters

During a fire, irritating/toxic fumes may be generated. Do not enter fire area without proper protection. Firefighters should wear proper protective equipment as required

**Section 6. Accidental Release Measures****Personal precautions, protective equipment and emergency procedures**

Evacuate non-emergency personnel. Isolate the area and prevent access. Control source of the leak. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up should wear the appropriate protective equipment (See Section 8). Prevent the spill spread into drains, sewers, water supplies, or soil. Avoid formation of dust. Pay attention to flashback. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

Methods and materials for containment and cleaning up

Avoid prolonged exposure. Stop leak if you can do it without risk. Do not touch or walk through spilled material. Spill should be contained with inert material and disposed into suitable retaining area. Small volumes of liquid may be contained or absorbed into an appropriate absorbent. Keep away from all watercourses. Do not flush down storm or sanitary sewer. Take precautionary measures against static discharges. Dispose of in accordance with local, provincial and federal regulations.

Section 7. Handling and Storage**Precautions for safe handling**

Do not handle until all safety precautions have been read and understood. Wear gloves/protective clothing/goggles/eye protection/face protection.

Conditions for safe storage, including any incompatibilities

Store in a cool, well-ventilated area. Keep container closed when not in use. Do not handle or store near open flames, heat or other sources of ignition. Store away from incompatible materials (Section 10). Inspect all incoming containers to make sure they are properly labelled and not damaged. Storage area should be clearly identified, clear of obstruction and accessible only to trained personnel. Inspect periodically for damage or leaks.

Section 8. Exposure Controls/Personal Protection**Control parameters (biological limit values or exposure limit values and source of those values)**

Exposure limits CAS 13463-67-7 ACGIH – TLV-TWA 10 mg/m³ withdrawn from NIC, EL (Canada) Long-term value: 10 mg/m³ total dust, respirable fraction; IARC 2B; EV (Canada) Long-term value: 10 mg/m³ total dust.

Appropriate engineering controls

Use product in well-ventilated areas. Do not spray the product. Local exhaust ventilation system is recommended to maintain concentrations of contaminants below exposure limits. Supply emergency safety/quick-drench shower, eyewash station and washing facilities available in work area and near handling area. Where such systems are not effective, wear suitable personal protection equipment which performs satisfactorily and meets recognized standards.

Individual protection measures/personal protective equipment

Gloves: Neopren gloves or equivalent; Clothing: Shirts with long sleeves, long pants; Respiratory: Not required if working area is well ventilated. Use a NIOSH approved respirators if the exposure limits are unknown; Equipment: Safety glasses, chemical resistant. Special instructions for protection and hygiene: Wash hands/nails/face thoroughly after handling. Do not eat, drink or smoke when using this product. Practice good personal hygiene after using this material. Remove and wash contaminated work clothing before re-use. Educate and train employees in the safe use and handling of this product. Follow all label instructions.

Section 9. Physical and Chemical Properties

Appearance, physical state/colour	Powder	Vapour pressure	Not available
Odour	Odorless	Vapour density	Not available
Odour threshold	Not available	Relative density	Not available
pH	Not available	Solubility	Not available
Melting/freezing point	Not available	Partition coefficient - n-octanol/water	Not available
Initial boiling point/range	Not available	Auto-ignition temperature	Not available
Flash point	Not available	Decomposition temperature	Not available
Evaporation rate	Not available	Viscosity	Not available
Flammability (solids and gases)	Not available	VOC	Not available
Upper and lower flammability/explosive limits	Not available	Density	3.88g/cm ³

Section 10. Stability and Reactivity**Reactivity**

Stable under normal conditions.

Chemical stability

Yes, Stable under the recommended storage and handling conditions prescribed.

Possibility of hazardous reactions

Non under normal conditions of storage and use. Reacts with strong acids and alkali and oxidizing agents

Conditions to avoid (static discharge, shock or vibration)

No further relevant information available.

Incompatible materials

No further relevant information available.

Hazardous decomposition products

Possible in traces.

Section 11. Toxicological Information**Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)**



Suspected of causing cancer.	
Symptoms related to the physical, chemical and toxicological characteristics	
No specific information available.	
Delayed and immediate effects (chronic effects from short-term and long-term exposure)	
Skin Sensitization – No irritant effect on the skin. Respiratory Sensitization – No sensitizing effects known; CMR Effects (Germ Cell Mutagenicity; Carcinogenicity and Toxicity for reproduction) – carcinogen 2B; Specific Target Organ Toxicity — Single Exposure – Non data; Specific Target Organ Toxicity — Repeated Exposure – Non data; Aspiration Hazard – No data; Health Hazards Not Otherwise Classified – No data available.	
Numerical measures of toxicity (ATE; LD₅₀ & LC₅₀)	
CAS 13463-67-7 LD ₅₀ Oral - Rat - > 2,000 mg/kg; LD ₅₀ Dermal – Rabbit > 10,000 mg/kg; LC ₅₀ Inhalation > 6.82 mg/l exposure time 4h; ATE not available in this document.	
Section 12. Ecological Information	
Ecotoxicity (aquatic and terrestrial information)	
Toxicity to fish CAS 13463-67-7 LC ₅₀ : > 1,000 mg/l (Pimephales promelas) 96h; Toxicity to Aquatic Invertebrates: CAS 13463-67-7 EC ₅₀ : >100 mg/l (Daphnia magna –water flea) 48h.	
Persistence and degradability	Inorganic product is not eliminable from water by means of biological cleaning processes.
Bioaccumulative potential	Does not accumulate in organisms.
Mobility in soil	No further relevant information available.
Other adverse effects	No further relevant information available.
Section 13. Disposal Considerations	
Information on safe handling for disposal/methods of disposal/contaminated packaging	
Dispose of contents/container into safe container in accordance with local, regional or national regulations.	
Section 14. Transport Information	
UN number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations	
None	
UN number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime)	
None	
UN number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air)	
None	
Special precautions (transport/conveyance)	None
Environmental hazards (IMDG or other)	None
Bulk transport (usually more than 450 L in capacity)	None
Section 15. Regulatory Information	
Safety/health Canadian regulations specifics	This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).
Environmental Canadian regulations specifics	Refer to Section 3 for ingredient(s) of the DSL
Safety/health/environmental outside regulations specifics	
United States OSHA information: This product is regulated according to OSHA (29 CFR). United States EPA (Environmental Protection Agency) information: 40 CFR Refer to the ingredients listed in Section 3 & Sections 12; 13 & 14. United States TCSA information: Refer to the ingredients listed in Section 3. California Proposition 65: WARNING: This product contains Titanium dioxide (CAS 13467-67-7) known to the State of California to cause cancer or other reproductive harm. IARC 2B	
Section 16. Other Information	
Date of the latest revision of the safety data sheet	April 02, 2021 - version 01
References	Safety Data Sheets from manufacturer/supplier & from Sigma-Aldrich.com & Echa.europea.eu
Abbreviations	
ACGIH	American Conference of Governmental Industrial Hygienists
ATE	Acute toxicity estimate
CAS	Chemical Abstract Service
DSL	Domestic Substance List
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
LC	Lethal concentration
LD	Lethal Dosage
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program (U.S.A.)
OSHA	Occupational Safety and Health Administration (U.S.A.)
PEL	Permissible Exposure Limit
STEL	Short-term Exposure Limit



TDG	Transport of dangerous goods in Canada
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
WHMIS	Workplace Hazardous Materials Information System

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