

**INTERSTAR**

4255, Portland Boulevard  
Sherbrooke, Quebec  
Canada, J1L 3A5

☎ (819) 563-9975

☎ (800) 567-1857

FAX: (819) 563-1317

FAX: (800) 563-1317

**IN CASE OF EMERGENCY : CANUTEC: (613) 996-6666**

**1-PRODUCT INFORMATION**

-PRODUCT NAME White BL-3212  
-CHEMICAL FAMILY Inorganic Metal Oxides  
-CHEMICAL NAME Titanium Dioxide  
-SYNONYMS None  
-C.A.S.# 13463-67-7  
-CHEMICAL FORMULA TiO<sub>2</sub>

**2-HAZARDOUS INGREDIENTS**

Components	%	C.A.S. #	LD/50, species
-Aluminum Hydroxide	0-9	21645-51-2	n. av.
-Amorphous Silica	0-11	7631-86-9	> 10 000 mg/kg, oral, rat

**3-PHYSICAL DATA**

-PHYSICAL STATE Dry powder  
-COLOR White  
-ODOR Odorless  
-pH 4-10  
-MELTING POINT n. av.  
-BOILING POINT n. ap.  
-VAPOR PRESSURE n. ap.  
-SPECIFIC GRAVITY 3.8-4.3 g/ml  
-DENSITY n. av.  
-SOLUBILITY IN WATER Insoluble.  
-VOLATILE BY WEIGHT < 1 %

**4-FIRST AID MEASURES**

-INHALATION If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

-SKIN CONTACT The compound is not likely to be hazardous by skin contact, but cleansing the skin after use is advisable.

-EYE CONTACT In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

-INGESTION

No specific intervention is indicated, as compound is not likely to be hazardous by ingestion. However, if symptoms occur, consult a physician.

#### 5-FIRE AND EXPLOSION DATA

-FLASH POINT °F (°C)

Will not burn

-FLAMMABLE LIMIT

Lower

n. ap.

Upper

n. ap.

-EXTINGUISHING MEDIA

Any media as appropriate for combustibles in area.

-SPECIAL PROCEDURES

None

-UNUSUAL FIRE AND  
EXPLOSION HAZARDS

High concentrations of dust in suspension may present risks for explosions.

-HAZARDOUS COMBUSTION  
PRODUCTS

None

-N.F.P.A. RATINGS

Health: 1, Fire: 0, Reactivity: 0, Special Hazard: -

#### 6-ACCIDENTAL RELEASE MEASURES

-CLEAN UP PROCEDURE

Common housekeeping, vacuum or scoop material into a container for reclamation or disposal.

-EVACUATION PROCEDURES

None special

-SPECIAL INSTRUCTION

None

#### 7-HANDLING AND STORAGE

Appropriate ventilation should be provided to keep dust concentrations below acceptable exposure limits. Store in a cool, dry, well-ventilated area.

#### 8-EXPOSURE CONTROLS/PERSONAL PROTECTION

-ENGINEERING CONTROLS

Local exhaust ventilation

-EYE/FACE

Safety glasses

-RESPIRATORY

NIOSH approved dust respirator when required for dust.

-VENTILATION

Local exhaust when required for dust.

-GLOVES

Use appropriate gloves to minimize contact with skin

-HYGIENE

Wash thoroughly after handling and before eating. Keep dust away from food and beverages.

-OTHER

Eyewash fountains and safety showers should be easily accessible

## 9-STABILITY AND REACTIVITY DATA

-STABILITY	Stable
-INCOMPATIBILITY WITH...	None
-HAZARDOUS PRODUCTS OF DECOMPOSITION	None
-HAZARDOUS POLYMERIZATION	Will not occur

## 10-TOXICOLOGICAL INFORMATION

-SKIN	No adverse effect expected
-EYES	May cause mechanical irritation
-ACUTE INHALATION	May cause irritation to the respiratory tract. Symptoms may include coughing and shortness of breath.
-INGESTION	No effect
-EFFECTS OF: ACUTE OVEREXPOSURE CHRONIC OVEREXPOSURE	Nuisance dust Long-term exposure to concentrations of dust above the recommended exposure level may overload lung clearance mechanism and cause adverse lung effects
-MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE	Overexposure to amorphous silica dust may cause a tissue response in the lung, which in severe cases can result in pulmonary fibrosis
-CARCINOGENECITY	Titanium dioxide is not considered as a carcinogen by NTP, OSHA, ACGIH or IARC. Results of a DuPont epidemiology study showed that employees who had been exposed to titanium dioxide pigments were at no greater risk of developing lung cancer than were employees who had not been exposed to titanium dioxide pigments. Based on the results of this study, DuPont concluded that titanium dioxide pigments would not cause lung cancer or chronic respiratory disease in humans at concentrations experienced in the work place.
-EXPOSURE LIMITS OSHA PEL  ACGIH TLV	Titanium dioxide 15 mg/m <sup>3</sup> , total dust, 8 hr TWA Amorphous silica 80 mg/m <sup>3</sup> /% SiO <sub>2</sub> , 8 hr TWA Titanium dioxide 10 mg/m <sup>3</sup> , total dust 8 hr TWA Amorphous silica 10 mg/m <sup>3</sup> , total dust, 8 hr TWA

## 11-ECOLOGICAL INFORMATION

-ECOTOXICITY	48 hour LC50, fish > 1000 mg/L. Product is insoluble in water.
--------------	--

## 12-DISPOSAL CONSIDERATIONS

WASTE DISPOSAL	Material that cannot be reclaimed should be land filled in accordance with local, state and federal regulations.
----------------	--

### 13-TRANSPORT INFORMATION

-UN NUMBER	None
-DOT CLASSIFICATION	Not regulated
-PACKING GROUP	None
-HAZARDOUS SUBSTANCES REPORTABLE QUANTITY	None
-SPECIAL PROVISIONS FOR TRANSPORT	None
-ADDITIONAL SHIPPING INFORMATION	None
-INTERNATIONAL TRANSPORTATION REGULATIONS	n. av.

### 14-REGULATORY INFORMATION

-OSHA Hazard Communication Standard	n. av.
-W.H.M.I.S. (Canada)	Not regulated

### 15-OTHER INFORMATIONS

n. ap.= Not applicable  
n. av.= Not available

Prepared by *INTERSTAR* Technical Service  
Revision: January 2007

*INTERSTAR has compiled the information and recommendations contained in this MSDS from sources believed to be reliable and to represent the most reasonable current on the subject when it was prepared. No warranty, guarantee or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine its environmental regulatory compliance obligations under any applicable federal or provincial laws.*

CORPORATE HEADQUARTERS  
4255 Portland Boulevard  
Sherbrooke, Quebec  
J1L 3A5  
Tel.: 819.563.9975 or 1.800.567.1857  
Fax.: 819.563.1317 or 1.888.563.1317

US HEADQUARTERS  
530 Madison Avenue  
Junction City, Illinois  
62882, USA  
Tel.: 618.533.3600 or 1.877.693.1212  
Fax.: 618.533.3636 or 1.888.563.1317

TORONTO, ONTARIO  
CALGARY, ALBERTA  
SYRACUSE, NEW YORK  
TAMPA, FLORIDA  
MEXICO CITY, MEXICO  
MONTERRY, MEXICO

[www.interstar.ca](http://www.interstar.ca)