

SECTION 3 COMPOSITION

CHEMICAL NAME **% WT** **CAS#** **OSHA (PEL)**
ACGIH (TLV)

Soda-lime glass oxide	98	65997-17-3		
Amorphous Silicon Dioxide	1-2	7631-86-9		
Chromium (III) Pigment	<0.75	1308-38-9		
Inorganic Pigments	<.04	None		
Cobalt Pigments	<.04	None		
Amorphous Silica	<.1	7631-/9-9		
Basic Red 1:1	<.01	None		
Basic Green 1	<.01	None		
Basic Yellow 2	<.01	None		
Basic Blue 26	<.01	None		

SECTION 4 FIRST AID MEASURES

The following first aid recommendations are based on an assumption that the appropriate personal and industrial hygiene practices are followed:

Eye Contact: Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

Skin Contact: Wash affected area with soap and water. If signs/symptoms develop get medical attention.

Inhalation: Remove person to fresh air. If signs/symptoms develop, get medical attention.

Ingestion: Do not induce vomiting unless instructed to do so by medical personnel. Give the victim two glassed of water. Never give anything by mouth to an unconscious person. Get medical attention. No need for first aid is anticipated.

SECTION 5 FIRE FIGHTING MEASURES

FLASH POINT: NON-FLAMMABLE

FLAMMABLE LIMITS: AUTOIGNITION TEMP-N/A, FLASH POINT -N/A, LEL- N/A, UEL - N/A

EXTINGUISHING MEDIA: This product is not combustible or flammable. Use extinguishing agents that are suitable to the surrounding fire, water spray, dry chemical, foam or CO2.

SECTION 6 ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURE: Observe precautions from other sections. Collect as much of the spilled material as possible. Clean up residue. Place in a closed container approved for transportation by appropriate authorities.

In the event of a release of this material, the user should determine if the release qualifies as reportable according to local, state and federal regulations.

SECTION 7 **HANDLING AND STORAGE**

STORAGE: Not applicable.

HANDLING: For industrial or professional use only. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits. If ventilation is not adequate, use respiratory protection equipment.

SECTION 8 **EXPOSURE CONTROLS/PERSONAL PROTECTION**

ENGINEERING CONTROLS: Maintain air levels below the recommended exposure limit using process enclosure and exhaust ventilation if necessary. Supply sufficient replacement air to make up for air removed by exhaust systems. If engineering controls and work practices are not effective in controlling exposures, appropriate personal protective equipment including a NIOSH/OSHA approved respirator should be worn.

EYES: Wear safety glasses with side shields or goggles. Eyewash stations should be available in the workplace.

SKIN: Wear rubber, PVC or leather gloves to facilitate personal hygiene.

RESPIRATORY PROTECTION: Workplace ambient dust concentrations should be monitored and if the recommended exposure limit is exceeded, a NIOSH/MSHA approved respirator with dust pre-filter should be worn.

OTHER: Educate and train employees in the safe use and handling of hazardous chemicals.

WORK/HYGIENE PRACTICES: Employees should wash their hands and face before eating, drinking, or using tobacco products.

SECTION 9 **PHYSICAL AND CHEMICAL PROPERTIES**

9.1 Information on basic physical and chemical properties

Physical State:	Solid
Appearance:	Beads
Odour:	Odourless
Odour Threshold (ppm):	Not applicable
Colour:	Various colours
Grade:	Typical particle size 2-2.4 mm
Melting Point:	Not applicable
Freezing Point:	Not applicable
Boiling Point:	Not applicable
Flash Point:	Not applicable
Vapour Pressure:	Not applicable
Vapour Density:	Not applicable
Bulk Density:	Not available
Viscosity:	Not applicable
Flash Point:	Not applicable
Specific Gravity	2.6-2.7

9.2 Other Information

Use of this product under normal and recommended conditions and specifications will pose no known hazards. However, if surfaces using this product are subjected to sanding or grinding as might occur for maintenance purposes, and such treatment produces respirable dust, then proper ventilation and breathing apparatus should be used. Under such conditions, NIOSH-BOM approved respirators should be worn.

GLOVES: Optional
be worn.

EYE PROTECTION: Full eye zone goggles should

SECTION 10 **STABILITY AND REACTIVITY**

CHEMICAL STABILITY

UNDER NORMAL CONDITIONS: Stable

MATERIAL AND CONDITIONS TO AVOID: None known

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

HAZARDOUS DECOMPOSITION: Under recommended usage conditions, hazardous decomposition products are not expected. Hazardous decomposition products may occur as a result of oxidation, heating or reaction with another material.

SECTION 11 **TOXICOLOGICAL INFORMATION**

Skin corrosion/irritation:	Non irritating
Serious eye damage/irritation:	Non irritating
Respiratory or skin sensitization:	Non irritating
Ingestion:	Non irritation
Carcinogenicity:	Not classified
Reproductive Data:	No adverse reproductive effects are anticipated
Mutagenicity Data:	No adverse mutagenic effects are anticipated
Teratogenicity Data”	No adverse teratogenic effects are anticipated
Synergistic Materials:	None known

SECTION 12 **ECOLOGICAL INFORMATION**

Ecotoxicity:

96-hour LC50 (Brachydanio rerio) = >10 000 ppm (3)

24-hour EC50 (Daphnia magna) = >>>

Environmental Fate:

72-hour EC50 (Selenastrum capricornum) = 440 mg/l (6)

72-hour EC50 (Scenedesmus subspicatus) = >10 000 mg/l (6)

SECTION 13 **DISPOSAL CONSIDERATIONS**

Deactivating Chemicals:	None required
Waste Disposal Methods:	Dispose of waste material at an approved (hazardous) waste treatment/disposal facility in accordance with applicable local, provincial and federal regulations.
Disposal of Packaging:	Do not dispose of waste with normal garbage, or to sewer systems. Empty containers retain product residue. Treat package in the same manner as the product. Dispose of waste material at an approved landfill site. Recycling is encouraged.

SECTION 14 TRANSPORTATION INFORMATION

CANADIAN TDG ACT SHIPPING DESCRIPTION:

This product is not regulated by TDG.

Label(s): Not applicable Placard: Not applicable

ERAP Index: Not applicable Exemptions: None known

SECTION 15 REGULATORY INFORMATION

CANADA

CEPA – NSNR:

This material is included on the DSL under the CEPA

CEPA – NPRI:

Not included

WHMIS:

The components of the product are listed on the Canadian Domestic

Substance List

USA

Environmental Protection Act:

This material is included on the TSCA Inventory

OSHA HCS (29cfr 1910.1200):

not regulated

NFPA: 1 Health, 0 Fire, 0 Reactivity (3)

HMIS: 1 Health, 0 Fire, 0 Reactivity (3)

INTERNATIONAL

EINECS:

Components of the product are on the European Inventory of Existing

Chemical

Substances

SECTION 16 OTHER INFORMATION

REFERENCES

1. RTECS-Registry of Toxic Effects of Chemical Substances, Canadian Substances, Canadian Centre for Occupational Health and Safety RTECS database.
2. Supplier's Material Safety Data Sheet (s)
3. CHEMINFO chemical profile, Canadian Centre for Occupational Health and Safety, Hamilton, Ontario, Canada
4. Guide to Occupational Exposure Values, 2011, American Conference of Governmental Industrial Hygienists, Cincinnati, 2011
5. The British Columbia Drug and Poison Information Centre, Poison Managements Manual, Canadian Pharmaceutical Association, Ottawa, 1981