



MATERIAL SAFETY DATA SHEET

BK287 - BAKOR SOLARFLEX

1. Product And Company Identification

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Issue Date: 05/28/2009
Supersedes MSDS Dated: 02/10/2009

Product Name: BK287 - BAKOR SOLARFLEX
Product Code: BK287

2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
acrylic polymer blend	not avail.	15 - 40
calcium carbonate	1317-65-3	10 - 30
silica, quartz	14808-60-7	0.1 - 1
titanium dioxide	13463-67-7	3 - 7
WATER	7732-18-5	35 - 55
zinc oxide (as zinc)	1314-13-2	1 - 5

EMERGENCY OVERVIEW

CAUTION! Direct skin and eye contact may cause irritation. Ingestion may cause gastric distress. Inhalation may cause irritation to the respiratory tract.

Appearance/Odor: Creamy, white liquid, paint-like odor

3. Hazards Identification

Primary Routes(s) Of Entry

Inhalation

Eye Hazards

May cause eye irritation (burning, tearing, redness or swelling).

Skin Hazards

None expected, however, prolonged contact may cause irritation.

Ingestion Hazards

May cause liver and kidney damage. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea.

Inhalation Hazards

None expected, however, certain individuals may experience minor nausea or headaches.

Chronic/Carcinogenicity Effects

This product or one of its ingredients present at 0.1% or more is listed as a carcinogen by NTP, IARC or OSHA. See Section 11 (Toxicological Information) for more details.

BK287 - BAKOR SOLARFLEX**4. First Aid Measures****Eye**

In case of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately if irritation develops and persists.

Skin

Remove contaminated clothing and shoes. Wash affected areas with soap and water.

Ingestion

Get medical attention immediately. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious victim.

Inhalation

Remove the person from the contaminated area to fresh air. If breathing is difficult, give oxygen. Contact a physician if symptoms develop.

5. Fire Fighting Measures

Flash Point: >212 °F

Flash Point Method: Setaflash

Lower Explosive Limit: not available

Upper Explosive Limit: not available

Fire And Explosion Hazards

Product is not considered flammable or combustible. Products of combustion include compounds of carbon, hydrogen, oxygen, aluminium and zinc, including carbon monoxide.

Extinguishing Media

Carbon dioxide, water, water fog, dry chemical, chemical foam.

Fire Fighting Instructions

Keep containers cool with water spray to prevent container rupture due to steam buildup; floor will become slippery if material is released. Firefighters should wear self-contained breathing apparatus and full protective gear.

6. Accidental Release Measures

Contain and/or absorb spill with inert material (e.g. sand, vermiculite). Collect and dispose in accordance with applicable regulations.

7. Handling And Storage**Handling And Storage Precautions**

Keep containers tightly closed. Store in a cool, dry, well-ventilated area. Protect from physical damage. Protect from extreme temperatures. Keep out of reach of children.

8. Exposure Controls/Personal Protection**Engineering Controls**

Use with adequate general and local exhaust ventilation. When used outdoors, stay well away from building air intakes or close and seal the intakes to prevent product from entering building.

Eye/Face Protection

Safety glasses with side shields or goggles recommended.

Skin Protection

Use with chemical-protective gloves to prevent skin contact.

Respiratory Protection

This product is an encapsulated mixture which reduces the likelihood of exposure to hazardous particulates. Airborne

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8. Exposure Controls/Personal Protection - Continued

Respiratory Protection - Continued

exposures to hazardous dusts or mists may be generated by spraying, sanding or grinding.

The level of respiratory protection needed should be based on the evaluation of chemical exposures by a health or safety professional. If required, use a NIOSH-approved air purifying respirator with organic vapor cartridge and particulate filter or supplied air respirator. Respirator use may be required due to secondary operations such as mixing, spraying, sanding, buffing, etc.

Occupational Exposure Limits for individual ingredients (if available) are listed below.

Ingredient(s) - Exposure Limits

calcium carbonate

OSHA PEL-TWA 15 mg/m³ (total dust)

OSHA PEL-TWA 5 mg/m³ (respirable dust)

silica, quartz

ACGIH TLV-TWA 0.025 mg/m³

OSHA PEL-TWA 30mg/m³ / (%SiO₂+2) (total dust)

OSHA PEL-TWA 10 mg/m³/ (%SiO₂+2) (respirable dust)

titanium dioxide

ACGIH TLV-TWA 10 mg/m³ (respirable)

OSHA PEL-TWA 15 mg/m³ (total dust)

zinc oxide (as zinc)

ACGIH TLV-STEL 10 mg/m³

ACGIH TLV-TWA 2 mg/m³

OSHA PEL-TWA 5 mg/m³

OSHA PEL-TWA 15 mg/m³

9. Physical And Chemical Properties

Appearance

Creamy, white liquid

Odor

Paint-like odor

Chemical Type: Mixture

Physical State: Liquid

Boiling Point: 212 °F 100 °C

Specific Gravity: 1.44

Vapor Pressure: 760@ 212°F

Vapor Density: >1

pH Factor: 8.0-9.0

Solubility: dispersible

Evaporation Rate: <1

10. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur

Conditions To Avoid (Stability)

Extreme temperatures



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10. Stability And Reactivity - Continued

Incompatible Materials

Strong oxidizers, strong acids

Hazardous Decomposition Products

Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, hydrocarbons, aluminum and zinc fumes and smoke may be produced.

Conditions To Avoid (Polymerization)

none

11. Toxicological Information

Chronic/Carcinogenicity

IARC has concluded that the following chemicals in this product are carcinogenic to humans (Group 1): silica, quartz

IARC has concluded that the following chemicals in this product are possibly carcinogenic to humans (Group 2B): titanium dioxide

ACGIH has designated the following chemicals in this product as suspected human carcinogens (A2): silica, quartz

NTP has listed the following chemicals in this product as known human carcinogens: silica, quartz

Risk of cancer depends on duration and level of exposure to this product as a dust or aerosol mist.

Miscellaneous Toxicological Information

Toxicological testing has not been conducted for this product overall. Available toxicological data for individual ingredients are summarized below.

Ingredient(s) - Toxicological Data

calcium carbonate

oral-rat LD50: 6450 mg/kg

silica, quartz

iv-rat LD50: 500 mg/kg bw/Quartz (10-200 um)

zinc oxide (as zinc)

Oral-mouse LD50: 7950 mg/kg

Inhal-mouse LC50: 2500 mg/m3

12. Ecological Information

13. Disposal Considerations

Dispose in accordance with applicable federal, state and local government regulations.

14. Transport Information

Ground Not Restricted

IMDG Not Restricted

IATA Not Restricted

15. Regulatory Information

SARA Hazard Classes

Acute Health Hazard

Ingredient(s) - U.S. Regulatory Information

zinc oxide (as zinc)

SARA Title III - Section 313 Form "R"/TRI Reportable Chemical

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15. Regulatory Information - Continued

Ingredient(s) - State Regulations

calcium carbonate
 Pennsylvania - Workplace Hazard
 silica, quartz
 New Jersey - Workplace Hazard
 Pennsylvania - Workplace Hazard
 California - Proposition 65
 Massachusetts - Hazardous Substance
 titanium dioxide
 New Jersey - Workplace Hazard
 Pennsylvania - Workplace Hazard
 New York City - Hazardous Substance
 zinc oxide (as zinc)
 New Jersey - Workplace Hazard
 New Jersey - Environmental Hazard
 Pennsylvania - Workplace Hazard
 Pennsylvania - Environmental Hazard

Canadian Regulatory Information

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR. WHMIS Classification: D2A - Very Toxic

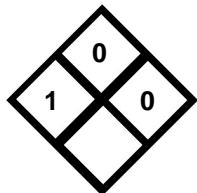
Ingredient(s) - Canadian Regulatory Information

silica, quartz
 WHMIS - Ingredient Disclosure List
 zinc oxide (as zinc)
 WHMIS - Ingredient Disclosure List

WHMIS - Canada (Pictograms)



NFPA



HMIS

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	

16. Other Information

Revision/Preparer Information

This MSDS Supersedes A Previous MSDS Dated: 02/10/2009

Disclaimer

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Disclaimer - Continued

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