

MATERIAL SAFETY DATA SHEET

Company Name: RYKO PLASTIC PRODUCTS, INC.
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Vendor Update: 4/18/2002
Date Prepared: 3/13/2003
MSDS Number: VGB1460W ; VGB3997W ; VGB4920W ; VGB605W ;

I. CHEMICAL PRODUCT IDENTIFICATION

Product Name: GLAZING BEAD
HMIS Ratings:
NFPA Ratings:

Other:**EMERGENCY OVERVIEW:**

THIS MIXTURE HAS NOT BEEN EVALUATED AS A WHOLE FOR HEALTH EFFECTS. INFORMATION PROVIDED ON HEALTH EFFECTS OF THIS PRODUCT IS BASED ON THE INDIVIDUAL COMPONENTS. THIS PRODUCT MAY CONTAIN RESIDUAL VINYL CHLORIDE MONOMER (VCM) (CAS NO. 75-01-4) BELOW 8.5 PPM (0.00085%). OSHA CONSIDERS VCM A SUSPECT CARCINOGEN AND REGULATES IT UNDER 29 CFR 1910.1017. IT IS UNLIKELY, UNDER NORMAL WORKING CONDITIONS WITH ADEQUATE VENTILATION, THAT OSHA EXPOSURE LEVELS WILL BE EXCEEDED FOR RESIDUAL VCM. HOWEVER, IT IS RECOMMENDED THAT THE USER TAKE NECESSARY PRECAUTIONS (EG- MECHANICAL VENTILATION, LOCAL EXHAUST VENTILATION, AIR-MONITORING, RESPIRATORY PROTECTION, ETC.) TO ENSURE AIRBORNE LEVELS OF ANY VAPORS INCLUDING VCM OR DUSTS THAT MAY BE RELEASED DURING HEATING OR PROCESSING ARE BELOW REGULATED LEVELS.

II. COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Ingredients	C.A.S. Number	% By Weight	ACGIH TLV TWA/STEL	OSHA PEL TWA/STEL	Other TWA/STEL	LD50	LC50
TITANIUM DIOXIDE	13463-67-7	5 - 10	10 MG/M ³ TOTAL DUST	15 MG/M ³ TOTAL DUST			
Notes							

III. HAZARDS IDENTIFICATION PRIMARY ROUTE OF ENTRY

Eyes: RESIN PARTICLES, LIKE OTHER INERT MATERIALS, ARE MECHANICALLY IRRITATING TO EYES.
Skin: EXPERIENCE SHOWS NO UNUSUAL DERMATITIS HAZARD FROM ROUTINE HANDLING.
Ingestion: MAY BE HARMFUL IF SWALLOWED.
Inhalation: RESIN PARTICLES, LIKE OTHER INERT MATERIALS, CAN BE MECHANICALLY IRRITATING.
Signs and Symptoms of Exposure:

IV. FIRST AID MEASURES

Eyes: RINSE IMMEDIATELY WITH PLENTY OF WATER, ALSO UNDER THE EYELIDS, FOR AT LEAST 15 MINUTES. IF EYE IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

Skin:	WASH OFF WITH SOAP AND PLENTY OF WATER. IF SKIN IRRITATION PERSISTS SEEK MEDICAL ATTENTION.
Ingestion:	DO NOT INDUCE VOMITING WITHOUT MEDICAL ADVICE. WHEN SYMPTOMS PERSIST OR IN ALL CASES OF DOUBT SEEK MEDICAL ADVICE.
Inhalation:	MOVE TO FRESH AIR IN CASE OF ACCIDENTAL INHALATION OF FUMES FROM OVERHEATING OR COMBUSTION. WHEN SYMPTOMS PERSISTS OR IN ALL CASES OF DOUBT SEEK MEDICAL ADVICE.

V. FIRE FIGHTING MEASURES

Flash Point:	NOT APPLICABLE
Lower Flammability Limit:	NOT APPLICABLE
Upper Flammability Limit:	NOT APPLICABLE
Extinguishing Agents:	WATER, DRY POWDER, FOAM, CARBON DIOXIDE (CO ₂).
Unusual Fire or Explosion Hazards:	MAY EMIT HYDROGEN CHLORIDE (HCl) OR CARBON MONOXIDE (CO) UNDER FIRE CONDITIONS.
Fire Fighting Procedures:	FULLFACE SELF-CONTAINED BREATHING APPARATUS (SCBA) USED IN POSITIVE PRESSURE MODE SHOULD BE WORN TO PREVENT INHALATION OF AIRBORNE CONTAMINANTS.

VI. ACCIDENTAL RELEASE MEASURES

Containment/Cleanup:	<p>PERSONAL PRECAUTIONS: WEAR APPROPRIATE PERSONAL PROTECTION DURING CLEANUP, SUCH AS IMPERVIOUS GLOVES, BOOTS AND COVERALLS.</p> <p>ENVIRONMENTAL PRECAUTIONS: SHOULD NOT BE RELEASED INTO THE ENVIRONMENT. THE PRODUCT SHOULD NOT BE ALLOWED TO ENTER DRAINS, WATER COURSES OR THE SOIL.</p> <p>METHODS FOR CLEANING UP: CLEAN UP PROMPTLY BY SWEEPING OR VACUUM. PACKAGE ALL MATERIAL IN PLASTIC, CARDBOARD OR METAL CONTAINERS FOR DISPOSAL.</p>
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VII. HANDLING AND STORAGE

Other:	<p>HANDLING: TAKE MEASURES TO PREVENT THE BUILD UP OF ELECTROSTATIC CHARGE. HEAT ONLY IN AREAS WITH APPROPRIATE EXHAUST VENTILATION. PROCESSING FUME CONDENSATES MAY CONTAIN COMBUSTIBLE OR TOXIC RESIDUE. PERIODICALLY CLEAN HOODS, DUCTS, AND OTHER SURFACES TO MINIMIZE ACCUMULATION OF THESE MATERIALS.</p> <p>STORAGE: KEEP CONTAINERS DRY AND TIGHTLY CLOSED TO AVOID MOISTURE ABSORPTION AND CONTAMINATION. KEEP IN A DRY, COOL PLACE.</p>
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VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes:	SAFETY GLASSES WITH SIDE-SHIELDS.
Skin:	PROTECTIVE GLOVES, LONG SLEEVE CLOTHING AND SAFETY SHOES.
Respiratory:	NO PERSONAL RESPIRATORY PROTECTIVE EQUIPMENT NORMALLY REQUIRED.

Engineering:	HEAT ONLY IN AREAS WITH APPROPRIATE EXHAUST VENTILATION. PROVIDE APPROPRIATE EXHAUST VENTILATION AT MACHINERY.
Other:	GENERAL HYGIENE CONSIDERATIONS: HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE. WASH HANDS BEFORE BREAKS AND AT THE END OF WORKDAY.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	WHITE PELLETS, POWDER
Boiling Point:	NOT APPLICABLE
pH:	NOT APPLICABLE
Solubility in Water:	INSOLUBLE
Specific Gravity:	NOT DETERMINED
Vapor Pressure:	NOT APPLICABLE
Vapor Density:	NOT APPLICABLE
Physical State:	SOLID

X. STABILITY AND REACTIVITY

Stability:	STABLE
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Hazardous Polymerization: WILL NOT OCCUR

Hazardous Decomposition Products: CARBON DIOXIDE (CO₂), CARBON MONOXIDE (CO), OXIDES OF NITROGEN (NO_x), OTHER HAZARDOUS MATERIALS, AND SMOKE ARE ALL POSSIBLE. PROLONGED HEATING (APPROXIMATELY 30 MINUTES OR MORE) ABOVE 392°F (200°C) OR SHORT TERM HEATING AT 482°F (250°C) MAY RESULT IN PRODUCT DECOMPOSITION AND EVOLUTION OF CARBON MONOXIDE AND HYDROGEN CHLORIDE.

Incompatible Products: INCOMPATIBLE WITH STRONG ACIDS AND OXIDIZING AGENTS

Conditions To Avoid: KEEP AWAY FROM OXIDIZING AGENTS AND OPEN FLAME. TO AVOID THERMAL DECOMPOSITION, DO NOT OVERHEAT.

XI. TOXICOLOGICAL INFORMATION

Acute Toxicology Data: THIS MIXTURE HAS NOT BEEN EVALUATED AS A WHOLE FOR HEALTH EFFECTS. EXPOSURE EFFECTS LISTED ARE BASED ON EXISTING HEALTH DATA FOR THE INDIVIDUAL COMPONENTS WHICH COMPRISE THE MIXTURE. TOXICITY OVERVIEW:
THIS PRODUCT CONTAINS THE FOLLOWING COMPONENTS WHICH IN THEIR PURE FORM HAVE THE FOLLOWING CHARACTERISTICS:
Chemical TITANIUM DIOXIDE CAS NO. 13463-67-7
EFFECT: SYSTEMIC EFFECTS
TARGET ORGAN: RESPIRATORY SYSTEM

XII. ECOLOGICAL INFORMATION

Persistence and Degradation: NOT READILY BIODEGRADABLE

XIII. DISPOSAL CONSIDERATIONS

Disposal Method: PRODUCT:
LIKE MOST THERMOPLASTICS THE PRODUCT CAN BE RECYCLED. WHERE POSSIBLE, RECYCLING IS PREFERRED TO DISPOSAL OR INCINERATION. THE GENERATOR OF WASTE MATERIAL HAS THE RESPONSIBILITY FOR PROPER WASTE CLASSIFICATION, TRANSPORTATION AND DISPOSAL IN ACCORDANCE

WITH APPLICABLE FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS.
CONTAMINATED PACKAGING:
RECYCLING IS PREFERRED WHEN POSSIBLE. THE GENERATOR OF WASTE
MATERIAL HAS THE RESPONSIBILITY FOR PROPER WASTE CLASSIFICATION,
TRANSPORTATION AND DISPOSE IN ACCORDANCE WITH APPLICABLE
FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS.

XIV. TRANSPORT INFORMATION

D.O.T. Shipping Name: NOT REGULATED FOR TRANSPORTATION

XV. REGULATORY INFORMATION

TSCA Status: ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY
OR ARE EXEMPT.

EPA Sara Title III Chemical SECTION 302:

Listings: Chemical ACRYLONITRILE CAS # 107-13-1
RQ FOR COMPONENT: 100 LBS.

California: PROP 65 WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN IN THE
STATE OF CALIFORNIA TO CAUSE CANCER.

Other: CANADIAN REGULATIONS
WHMIS CLASSIFICATION: D2B
DSL: LISTED
NATIONAL INVENTORIES
AUSTRALIA AICS, CHINA IECS, KOREA KECI, PHILIPPINES PICCS: LISTED
EUROPE EINECS, JAPAN ENCS: NOT DETERMINED.

XVI. OTHER INFORMATION**WARRANTY INFORMATION**

THIS INFORMATION IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION.
NO WARRANTY, EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND
SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD
REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE
WHETHER
THEY ARE APPROPRIATE.