

SAFETY DATA SHEET



Date Prepared : 05/22/2015
SDS No : BC8645A

BC 8645 Kwik Kast Gray Part A Resin

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: BC 8645 Kwik Kast Gray Part A Resin

MANUFACTURER

BCC Products/Blehm Plastics
2140 Earlywood Drive
P.O. Box 327
Franklin, IN 46131
Customer Service: (317) 736-4090

24 HR. EMERGENCY TELEPHONE NUMBERS

FOR CHEMICAL EMERGENCY CALL CHEMTREC (24 HOURS)
1-800-424-9300 (U.S., Canada, Puerto Rico, Virgin Islands) 1-703-527-3887 (Outside above area, collect calls accepted)

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Acute Toxicity (Inhalation), Category 4
Skin Irritation, Category 2
Eye Irritation, Category 2B
Respiratory Sensitization, Category 1
Skin Sensitization, Category 1
Carcinogenicity, Category 2
Target Organ Toxicity (Single exposure), Category 3
Target Organ Toxicity (Repeated exposure), Inhalative,, Category 2

GHS LABEL



Health
hazard



Exclamation
mark

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H317: May cause an allergic skin reaction.
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H315 + H320: Causes skin and eye irritation.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.
H351: Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
H373: May cause damage to organs (state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

PRECAUTIONARY STATEMENTS

Prevention:

- P201: Obtain special instructions before use.
 P202: Do not handle until all safety precautions have been read and understood.
 P260: Do not breathe dust/fume/gas/mist/vapours/spray.
 429443OI: Wash skin thoroughly after handling.
 P271: Use only outdoors or in a well-ventilated area.
 P272: Contaminated work clothing should not be allowed out of the workplace.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P285: In case of inadequate ventilation wear respiratory protection.

Response:

- 6365U83R: P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
 4719AMFT: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor/...if you feel unwell.
 9090PDJO: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308+P313: IF exposed or concerned: Get medical advice/ attention.
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
 P337+P313: If eye irritation persists: Get medical advice/attention.
 P362+P364: Take off contaminated clothing and wash it before reuse.

Storage:

- P403+P233: Store in a well-ventilated place. Keep container tightly closed.
 P405: Store locked up.

Disposal:

- 3809OZT8: P501: Dispose of contents/container in accordance with local, regional, national and/or international regulations.

COMMENTS: This material is considered hazardous by the OSHA Hazardous Communications Standard (29 CFR 1910.1200

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Polymeric Isocyanates	20 - 30	9016-87-9
Methylene Bisphenyl Isocyanate (MDI)	5 - 12	101-68-8
Stoddard Solvent	< 4	8052-41-3
2,2,4-Trimethyl-1,3-pentanediol diisobutyrate	< 10	6846-50-0

COMMENTS: 101-68-8 is an MDI isomer that is part of CAS 9016-87-9

4. FIRST AID MEASURES

EYES: Immediately flush eyes with water; remove contact lenses, if present, after the first 5 minutes, then continue flushing eyes for at least 15 minutes. Obtain medical attention without delay, preferably from an ophthalmologist. Suitable emergency eye wash facilities should be immediately available.

SKIN: Remove material from skin immediately by washing with soap and plenty of water. Remove contaminated clothing and shoes while washing. Seek medical attention if irritation persists. Wash clothing before reuse. An MDI skin decontamination study demonstrated that cleaning very soon after exposure is important, and that a polyglycol-based skin cleanser or corn oil may be more effective than soap and water. Discard items which cannot be decontaminated, including leather articles such as shoes, belts and watch bands. Suitable emergency safety shower facility should be immediately available.

INGESTION: Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

INHALATION: Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately. Do NOT use mouth-to-mouth resuscitation.

ADDITIONAL INFORMATION: Maintain adequate ventilation and oxygenation of the patient. May cause respiratory sensitization or asthma-like symptoms. Bronchodilators, expectorants and antitussives may be of help. Treat bronchospasm with inhaled beta2 agonist and oral parenteral corticosteroids. Respiratory symptoms, including pulmonary edema, may be delayed.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Water fog or fine spray. Dry chemical, carbondioxide fire extinguishers. Foam. Do not use direct water stream as it may spread the fire. Alcohol resistant foams (ATC type) are preferred.

HAZARDOUS COMBUSTION PRODUCTS: During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include but are not limited to: Nitrogen Oxides, Isocyanates, Hydrogen Cyanide, Carbon monoxide and Carbon dioxide

FIRE FIGHTING PROCEDURES: Use protective fire fighting clothing and positive pressure self-contained breathing apparatus to protect against potential harmful and/or irritating fumes. Assure adequate protection for skin and eyes. Prevent run-off from entering sewers or waterways.

FIRE EXPLOSION: Product reacts with water. Reaction may produce heat and/or gases. This reaction may be violent. Container may rupture from gas generation in a fire situation. Violent steam generation or eruption may occur upon application of direct water stream to hot liquids. Dense smoke is produced when product burns.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Dike and absorb Isocyanate with suitable absorbent material. Shovel into open container. Do not make container pressure tight. Move container to a well ventilated area (outside). Spill area can be decontaminated with the following recommended solution: Mixture of 90% water, 8% concentrated amonia, 2% detergent. Add at a 10:1 ratio with silled material. Allow to stand for at least 48 hours to allow escape of evolved carbon dioxide.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Avoid runoff into storm sewers and ditches which lead to waterways.

SPECIAL PROTECTIVE EQUIPMENT:

Use self-contained breathing apparatus and chemically protective clothing. Wear suitable protective clothing, gloves and eye/face protection. Evacuate personnel to safe areas.

7. HANDLING AND STORAGE

HANDLING: Avoid breathing vapor. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated contact with skin. Use adequate ventilation. Wash thoroughly after handling. Keep container tightly closed.

STORAGE: Store in a cool, dry, well-ventilated area away from incompatible substances. Protect from atmospheric moisture. Do not store product contaminated with water to prevent potential hazardous reaction.

STORAGE TEMPERATURE: 25°C Minimum to 35°C Maximum

Notes: Storage Period: 6 Months

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
EXPOSURE LIMITS				
Chemical Name	Type		ppm	mg/m ³
Stoddard Solvent	OSHA PEL	TWA	500	2900
	ACGIH TLV	TWA	100	572
	Supplier OEL	TWA	NL	NL
		STEL	NL	NL

ENGINEERING CONTROLS: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Exhaust systems should be designed to to move the air away from the source of the vapor generation and people working at this point. The odor and irritancy of this material are inadequate to warn of excessive exposure.

PERSONAL PROTECTIVE EQUIPMENT

SKIN: Chemical resistant protective gloves should be worn to prevent all skin contact. Suitable materials may include , chloroprene rubber (Neoprene), Nitrile rubber (Buna N), chlorinated polyethylene, polyvinylchloride (Pylox), butyl rubber, depending on conditions of use.

RESPIRATORY: An exposure assessment may be needed to decide if a reapirotor is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on results of the exposure assessment, select from the following respirator types to reduce inhalation exposure:

Half facepiece or full facepiece air-purifying respirator suitable for particulates.

PROTECTIVE CLOTHING: Use protective clothing chemically resistant to this material. Selection of specific items such as aprons, face-shield, boots, or full body suit will depend on the task.

9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: Slight musty odor

APPEARANCE: Liquid

COLOR: Gray

PHYSICAL STATE COMMENTS: Filled liquid

pH: NA = Not Applicable

PERCENT VOLATILE: Not Available

FLASH POINT AND METHOD: > 93.33°C (141°F) TOC

FLAMMABLE LIMITS: 0 to 0

Notes: No data available.

AUTOIGNITION TEMPERATURE: No data available.

VAPOR DENSITY: No data available.

BOILING POINT: > (300°F)

SOLUBILITY IN WATER: No data available.

SPECIFIC GRAVITY: 1.75 to 1.850.

VISCOSITY #1: ~ 1400 cP at 23°C (75°F) Brookfield RVF @ 20 rpm

MOLECULAR WEIGHT: NA = Not Applicable

10. STABILITY AND REACTIVITY

REACTIVITY: Products based on diisocyanates react with many materials to release heat. The reaction rate increases with temperature as well as with increased contact; these reactions can become violent. Contact is increased with stirring or if the other material acts as a solvent. Products based on diisocyanates like MDI are not soluble in water and will sink to the bottom, but react slowly at the interface. Reaction with water will generate carbon dioxide and heat.

HAZARDOUS POLYMERIZATION: Reacts with water, with formation of carbon dioxide. Risk of bursting. Reacts with alcohols, acids, alkalies and amines. Risk of exothermic reaction. Risk of violent reaction (amines). Risk of polymerization.

STABILITY: Stable at room temperature in closed containers under normal storage and handling conditions.

CONDITIONS TO AVOID: Exposure to elevated temperatures can cause product to decompose. Generation of gas during decomposition can cause pressure in a closed system. Pressure build-up can be rapid. Avoid moisture. Material reacts slowly with water, releasing carbon dioxide which can cause pressure buildup and rupture of closed containers. Elevated temperatures accelerate this reaction.

HAZARDOUS DECOMPOSITION PRODUCTS: Under normal conditions of storage and use, hazardous decomposition products should not be produced. Hazardous decomposition products: carbon monoxide, hydrogen cyanide, nitrogen oxides, aromatic isocyanates, gasses/vapours.

INCOMPATIBLE MATERIALS: Acids, Alcohols, Amines, Water, Amonia. Bases. Metal compounds, Moist air. Strong oxidizers.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

DERMAL LD₅₀: > 2000 Rabbit: mg/kg

ORAL LD₅₀: > 5000 rat; mg/kg

INHALATION LC₅₀: As product: The LC50 has not been determined.

RESPIRATORY OR SKIN SENSITISATION: May cause allergic skin reaction. Animal studies have shown that skin contact with isocyanates may play a role in respiratory sensitization.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: The measured ecotoxicity for one of the ingredients of this product is that of the hydrolysed product, generally under conditions maximizing production of soluble species. Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50/EL50/LL50 > 100 mg/Lin the most sensitive species tested).

BIOACCUMULATION/ACCUMULATION: In the aquatic and terrestrial environment, movement is expected to be limited by the reaction with water forming predominantly insoluble polyureas.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Incinerate or otherwise dispose of in compliance with all applicable federal, state and local environmental control laws and regulations.

EMPTY CONTAINER: Containers should be drained of all residual product prior to disposal. Follow all Federal, State and Local laws/regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: DOT Non-Bulk

NOT REGULATED

DOT Bulk

OTHER REGULATED SUBSTANCES, LIQUID, NOS

TECHNICAL NAME: MDI

PRIMARY HAZARD CLASS/DIVISION: 9

PACKING GROUP: III

REPORTABLE QUANTITY (RQ) UNDER CERCLA: 5000 LBS

AIR (ICAO/IATA)

SHIPPING NAME: NOT REGULATED

VESSEL (IMO/IMDG)

SHIPPING NAME: NOT REGULATED

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Acute health hazard, Chronic health hazard.

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** Yes **ACUTE:** Yes **CHRONIC:** Yes

313 REPORTABLE INGREDIENTS:

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and

Community Right-to-Know Act of 1986) Section 313

This product contains the following substances which are subject to the reporting requirements of

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and which are listed in 40 CFR 372.

Component CAS # Amount

4,4'-Methylenediphenyl diisocyanate 101-68-8 > 43.57 - < 47.14 %

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS
Polymeric Isocyanates	20 - 30	9016-87-9
Methylene Bisphenyl Isocyanate (MDI)	5 - 12	101-68-8

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: Diisocyanates Compound Category

Chemical Name	Wt.%	CERCLA RQ
Methylene Bisphenyl Isocyanate (MDI)	5 - 12	5,000

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Polymeric Isocyanates	9016-87-9
Methylene Bisphenyl Isocyanate (MDI)	101-68-8
Stoddard Solvent	8052-41-3
2,2,4-Trimethyl-1,3-pentanediol diisobutyrate	6846-50-0

TSCA STATUS: All chemical components of this product are in compliance with TSCA inventory requirements.

REGULATIONS

STATE REGULATIONS: Pennsylvania - RTK: No ingredients listed.

CALIFORNIA PROPOSITION 65: This product contains no substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

GENERAL COMMENTS:

Additional information:

For PVC Toys DINP is recommended, based on US Consumer Product Safety Commission review (2003) and on the EU Risk Assessment Report (2006). In the U.S., there is an interim prohibition on DINP and DIDP above 0.1 percent by weight (one thousand parts per million) in toys intended for children age 12 and under that can be placed in a child's mouth and child care articles for children age 3 and under (H.R. 4040, The Consumer Product Safety Improvement Act of 2008). In the EU and Brazil, DINP and DIDP are permitted only for toys and child care articles that cannot be placed in the mouth. In Argentina and Japan, DINP and DIDP are permitted only for toys not intended to be placed in the mouth. In the state of Washington, DEHP, DBP, BBP, DINP, DIDP, and DnOP, individually or in combination, are not permitted in children's products at more than 0.1 percent by weight (HB 2647, Regarding the Children's Safe Products Act).

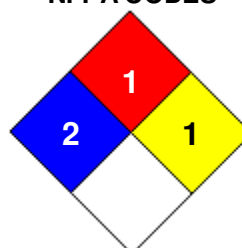
16. OTHER INFORMATION

PREPARED BY: W. Miller **Date Prepared:** 05/22/2015

HMIS RATING

HEALTH	<input type="checkbox"/>	2
FLAMMABILITY	<input type="checkbox"/>	1
PHYSICAL HAZARD	<input type="checkbox"/>	1
PERSONAL PROTECTION	<input type="checkbox"/>	

NFPA CODES



MANUFACTURER DISCLAIMER:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this

document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. BCC Products shall not be held liable for any damage resulting from handling or from contact with the above product.

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