Safety Data Sheet

SECTION 1: Identification

1.1 Product identifier
   Product name: Bead & Break Repellant
   Product number: 845
   Brand: Crown Chemical, Inc.

1.2 Other means of identification
   Bead & Break Repellant

1.3 Recommended use of the chemical and restrictions on use
   Repellant and sealer for car washes

1.4 Supplier’s details
   Name: Crown Chemical, Inc.
   Address: 4701 W. 136th. St.
             Crestwood, Illinois 60418
             U.S.A.
   Telephone: 708-371-6990
   Fax: 708-371-6992
   email: info@crown-chem.com

1.5 Emergency phone number(s)
   800-535-5053

SECTION 2: Hazard identification

General hazard statement
Do not breathe dust or mists. Wear protective rubber gloves and chemical splash goggles when using this product. Mix ONLY with water. Wash thoroughly after handling.

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)
- Skin corrosion/iritation, Cat. 2
- Eye damage/iritation, Cat. 2A

2.2 GHS label elements, including precautionary statements

Pictogram

1. Exclamation mark

Signal word
   Warning

Hazard statement(s)
   H315  Causes skin irritation
   H319  Causes serious eye irritation
Precautionary statement(s)

P264 Wash hands & skin thoroughly after handling.
P280 Wear protective gloves/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of water/Take off immediately contaminated clothing and wash it before reuse. Call a poison control center or doctor for treatment advice if irritation persists.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.

2.3 Other hazards which do not result in classification

None identified

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Irritant Mixture

Hazardous components

1. 2-Butoxyethanol

Concentration 3 - 10 % (By Weight)
EC no. 203-905-0
CAS no. 111-76-2
Index no. 603-014-00-0

- Skin corrosion/irritation, Cat. 2
- Serious eye damage/eye irritation, Cat. 2
- Acute toxicity, dermal, Cat. 4
- Acute toxicity, inhalation, Cat. 4
- Acute toxicity, oral, Cat. 4

H302 Harmful if swallowed
H312 Harmful in contact with skin
H315 Causes skin irritation
H319 Causes serious eye irritation
H332 Harmful if inhaled

2. Isopropanol

Concentration 1 - 5 % (By Weight)
EC no. 414-810-0
CAS no. 67-63-0
Index no. 607-403-00-6

- Flammable liquids, Cat. 2
- Eye damage/irritation, Cat. 2A
- Specific target organ toxicity (single exposure), Cat. 3

H225 Highly flammable liquid and vapor
H319 Causes serious eye irritation
H335 May cause respiratory irritation
H336 May cause drowsiness or dizziness

Trade secret statement (OSHA 1910.1200(i))
The specific chemical identities and/or actual concentrations for one or more components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).
SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures
   General advice
   Do not breathe dust or mists. Wear protective rubber gloves and chemical splash goggles when using this product. Mix ONLY with water. Wash thoroughly after handling.

   If inhaled
   Remove person to fresh air and keep comfortable for breathing. Call a Poison Control Center or doctor for treatment advice.

   In case of skin contact
   Wash with plenty of water. Take off contaminated clothing and wash before reuse. Call a Poison Control Center or doctor for treatment advice if irritation persists.

   In case of eye contact
   Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a Poison Control Center or doctor for treatment advice.

   If swallowed
   Rinse out mouth. Do NOT induce vomiting. Call a Poison Control Center or doctor if you feel unwell.

4.2 Most important symptoms/effects, acute and delayed
   See Section 11 for additional information.

4.3 Indication of immediate medical attention and special treatment needed, if necessary
   Treat exposure symptomatically. In all cases where large quantities have been ingested or inhaled, contact a doctor or Poison Control Center immediately.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media
   Use water spray, fog or foam.

5.2 Specific hazards arising from the chemical
   None known.

5.3 Special protective actions for fire-fighters
   Self-contained breathing apparatus.

   Further information
   Remove all persons from the vicinity. No responsive action should be taken without proper training.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
   Initiate spill containment procedures immediately using containment or absorption methods. Keep people away from area. Put on appropriate protective equipment (see Section 8).

6.2 Environmental precautions
   Do not allow spilled material to enter sewers, waterways or soil.

6.3 Methods and materials for containment and cleaning up
   Do not allow spilled material to enter sewers, waterways or soil. Neutralize with water. Mop, sweep or otherwise collect spilled material and hold for disposal. Consult local government authorities for allowable disposal methods. After removal, rinse area completely with water to remove residue.

   Reference to other sections
   Put on appropriate protective equipment (see Section 8).
SECTION 7: Handling and storage

7.1 Precautions for safe handling
Avoid contact with eyes, skin or clothing. Avoid inhalation of dust or mists. Use in a well ventilated area. Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities
Keep out of reach of children. Keep containers tightly closed when not in use. Store in a well ventilated area between 60-100°F (15-38°C). Avoid ignition sources.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. 2-Butoxyethanol (CAS: 111-76-2 EC: 203-905-0)
   PEL (Inhalation): 240 mg/m3 (OSHA)
   OSHA Annotated Table Z-1, www.osha.gov
   PEL (Inhalation): 20 ppm (Cal/OSHA)
   OSHA Annotated Table Z-1, www.osha.gov
   REL (Inhalation): 5 ppm (NIOSH)
   OSHA Annotated Table Z-1, www.osha.gov
   PEL (Inhalation): 20 ppm
   97 mg/m3
   California permissible exposure limits for chemical contaminants
   (Title 8, Article 107)/Skin
   TWA (Inhalation): 50 ppm
   240 mg/m3; USA (OSHA)
   USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air
   Contaminants/Skin designation
   The value in mg/m3 is approximate
   TWA (Inhalation): 5 ppm
   24 mg/m3; USA (NIOSH)
   USA. NIOSH Recommended Exposure Limits/Potential for dermal absorption
   TWA (Inhalation): 20 ppm; USA (ACGIH)
   USA. ACGIH Threshold Limit Values (TLV)/Upper Respiratory Tract irritation Eye irritation Substances for which there is a
   Biological Exposure Index or Indices (see BEI® section) Confirmed animal carcinogen with unknown relevance to humans
   TLV® (Inhalation): 20 ppm; USA (ACGIH)
   OSHA Annotated Table Z-1, www.osha.gov

2. Isopropyl alcohol (CAS: 67-63-0)
   PEL (Inhalation): 980 mg/m3 (OSHA)
   OSHA Annotated Table Z-1, www.osha.gov
   PEL (Inhalation): 400 ppm, (ST) 500 ppm (Cal/OSHA)
   OSHA Annotated Table Z-1, www.osha.gov
   REL (Inhalation): 400 ppm, (ST) 500 ppm (NIOSH)
   OSHA Annotated Table Z-1, www.osha.gov
   TLV® (Inhalation): 200 ppm, (ST) 400 ppm; USA (ACGIH)
   OSHA Annotated Table Z-1, www.osha.gov

8.2 Appropriate engineering controls
Use with adequate ventilation to maintain exposure limits below listed thresholds.
8.3 Individual protection measures, such as personal protective equipment (PPE)

**Eye/face protection**
Wear chemical splash goggles or face shield when using this product.

**Skin protection**
Wear protective rubber gloves and a long sleeved shirt to prevent contact.

**Body protection**
Wash thoroughly after use and before eating, smoking, or using the bathroom. Avoid contamination of clothing or shoes, and wash any contaminated items before reuse. If possible, avoid wearing contact lenses when using this product.

**Respiratory protection**
If inhalable particles of dusts or mists may occur during use, wear NIOSH approved respiratory protection.

### SECTION 9: Physical and chemical properties

**Information on basic physical and chemical properties**

- Appearance/form (physical state, color, etc.): Green Liquid
- Odor: Cherry
- Odor threshold: No data available
- pH: <11.5 (1% solution)
- Melting point/freezing point: N/A / <0°F
- Initial boiling point and boiling range: No data available
- Flash point: >200°F
- Evaporation rate: >1.0
- Flammability (solid, gas): No data available
- Upper/lower flammability limits: No data available
- Vapor pressure: No data available
- Vapor density: >1.0
- Relative density: <1.0
- Solubility(ies): 100% in 120°F Water
- Partition coefficient: n-octanol/water: No data available
- Auto-ignition temperature: No data available
- Decomposition temperature: No data available
- Viscosity: >1.0
- Explosive properties: No data available
- Oxidizing properties: No data available

### SECTION 10: Stability and reactivity

10.1 **Reactivity**
Product is not reactive under normal storage and usage conditions. Mix this product ONLY with water.

10.2 **Chemical stability**
Product is stable under normal storage and usage conditions.

10.3 **Possibility of hazardous reactions**
Product is not reactive under normal storage and usage conditions.

10.4 **Conditions to avoid**
Strong oxidizers, bases and acids.

10.5 **Incompatible materials**
Strong oxidizers, bases and acids.

10.6 **Hazardous decomposition products**
None are expected under normal storage and usage conditions.
SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity
Likely Routes of Exposure: Eyes, Skin, Ingestion, Inhalation

Skin corrosion/irritation
Skin contact may cause irritation or pain and redness.

Serious eye damage/irritation
Eye contact may cause irritation or pain, redness and watering.

Respiratory or skin sensitization
Inhalation may cause coughing, choking and respiratory tract irritation.

Germ cell mutagenicity
No data available.

Carcinogenicity
No data available.

Reproductive toxicity
No data available.

STOT-single exposure
No data available.

STOT-repeated exposure
No data available.

Aspiration hazard
No data available.

SECTION 12: Ecological information

Toxicity
No specific data available for this mixture. Isopropyl Alcohol is known to be moderately toxic to aquatic life.

Persistence and degradability
No specific data available for this mixture.

Bioaccumulative potential
No specific data available for this mixture.

Mobility in soil
No specific data available for this mixture.

Results of PBT and vPvB assessment
No specific data available for this mixture.

Other adverse effects
No known significant effects or critical hazards.

SECTION 13: Disposal considerations

Disposal of the product
Avoid disposal of this product. Use complete contents according to directions. Do not release contents into a municipal sewer except through normal dilution and usage. Do not release contents onto the ground or into any body of water. Dispose of empty container by offering for recycling if available, or into a landfill. Follow all applicable state and local regulations.
Disposal of contaminated packaging
Dispose of as unused product.

SECTION 14: Transport information

DOT (US)
DOT Proper Shipping Name: Non-regulated liquid

Note: Certain package sizes of this product may qualify for exceptions to DOT’s packaging, labeling and other requirements, and thus may have different DOT shipping names. For bulk shipments, see the shipping documents.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Massachusetts Right To Know Components
Ethylene glycol monobutyl ether, CAS: 111-76-2
Isopropyl alcohol, CAS number: 67-63-0

New Jersey Right To Know Components
Ethylene glycol monobutyl ether, CAS: 111-76-2
Isopropyl alcohol, CAS number: 67-63-0

Pennsylvania Right To Know Components
Ethylene glycol monobutyl ether, CAS: 111-76-2
Isopropyl alcohol, CAS number: 67-63-0

California Prop. 65 Components
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SARA 311/312 Hazards
Fire Hazard, Acute Health Hazard, Chronic Health Hazard

SARA 313 Components
The following components are subject to reporting levels established by SARA Title III, Section 313:
Ethylene glycol monobutyl ether, CAS: 111-76-2
Isopropyl alcohol, CAS number: 67-63-0

SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SECTION 16: Other information

The information herein is believed to be correct, but is given without warranty or guaranty of any kind, express or implied. The hazards provided in this Safety Data Sheet apply to the product in its concentrated form, and may differ significantly after dilution.

16.1 Further information/disclaimer

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall Crown Chemical, Inc. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Crown Chemical, Inc. has been advised of the possibility of such damages.