



MATERIAL SAFETY DATA SHEET

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT

Product Name: Quick-Response Detection KIT (6 Hours) – 10040-41
Intended Use: Producing carbon dioxide and detecting bed bugs.

COMPANY IDENTIFICATION

SUPPLIER: BEAPCO
ADDRESS: Unit 3, 173 Roger Street, Waterloo, ON, N2J 1B1
TELEPHONE: 519-746-2327
FACSIMILE: 519 884 3427

This (M) SDS is a generic document with no country specific information included.

2 COMPOSITION/INFORMATION ON INGREDIENTS

| | <u>CHEMICAL NAME</u> | <u>CAS NUMBER</u> | <u>INGREDIENT PERCENT (%)</u> |
|--------|-------------------------|-------------------|-------------------------------|
| Item 1 | Sodium bicarbonate | 144-55-8 | 8-10 |
| Item 2 | Citric Acid | 77-92-9 | 10-12 |
| Item 3 | Poly isobutylene (glue) | 9003-27-4 | 0.1-0.5 |

3 HAZARDS IDENTIFICATION

Item 1

Potential Acute Health Effects: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Item 2

Caution! Causes respiratory tract irritation. May cause digestive tract irritation. Moisture sensitive. Causes severe eye irritation. May cause skin sensitization by skin contact. Causes skin irritation. Target Organs: None.

Potential Health Effects

Eye: Causes severe eye irritation and possible injury.

Skin: Causes skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material.

Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

Excessive intake of citric acid may cause erosion of the teeth.

Inhalation: Causes respiratory tract irritation.

Chronic: Repeated exposure may cause sensitization dermatitis.

Item 3:

This substance is considered to be non-hazardous.

4 FIRST AID MEASURES

Item 1

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with

plenty of water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs.
Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.
Serious Skin Contact: Not available.
Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Item 2

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid. Do NOT allow victim to rub or keep eyes closed.
Skin: Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.
Ingestion: Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.
Inhalation: Remove from exposure to fresh air immediately. If breathing is difficult, give oxygen.

Item 3

Skin Exposure: In case of contact, flush with copious amounts of water. If irritation persists, call a physician.
Eye Exposure: In case of contact, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. If irritation persists, call a physician.
Inhalation Exposure: if inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

5 FIRE- FIGHTING MEASURES

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. This material in sufficient quantity and reduced particle size is capable of creating a dust explosion.
Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

6 ACCIDENTAL RELEASE MEASURES

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Very fine particles can cause a fire or explosion. Eliminate all ignition sources. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Remove all sources of ignition. Provide ventilation. Spill may be neutralized with lime. Do not get water inside containers.

7 HANDLING AND STORAGE

Handling:
Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Do not allow contact with water. Keep from contact with moist air and steam.
Storage:
Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from moisture.

8 EXPOSURE CONTROLS /PERSONAL PROTECTION

Engineering Controls
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
PERSONAL PROTECTION
Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation

Hand Protection

If product is hot, thermally protective gloves are recommended.

Eye Protection

If contact is likely, safety glasses with side shields are recommended.

9 PHYSICAL AND CHEMICAL PROPERTIES

Typical physical and chemical properties are given below. Consult Supplier in Section 1 for additional data.

Item 1

Physical state : solid

appearance: tablet

Odour: Odourless.

Color: White.

Item 2

Physical State: Solid

Appearance: White powder

Odour: Odourless.

NFPA Rating: (estimated) Health: 2; Flammability: 0; Reactivity: 0

Explosion Limits, Lower:.28 Upper: 2.29 Solubility: 59.2% (20°C)

Item 3

Appearance: colorless transparent viscous cream.

Odor: weak odor.

10 STABILITY AND REACTIVITY

Item 1

Chemical Stability: Stability: The product is stable.

Conditions to avoid: Incompatible materials, Moisture. Stable in dry air, but slowly decomposes in moist air.

Incompatibility with various substances: Reactive with acids.

Hazardous Polymerization: Will not occur.

Item 2

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials, dust generation, moisture, exposure to moist air or water.

Hazardous Decomposition Products: Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.

Hazardous Polymerization: Will not occur.

Item 3

Stable: Stable.

Materials to Avoid: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

Hazardous Polymerization: will not occur.

11 TOXICOLOGICAL INFORMATION

Item 1

Toxicity to Animals: Acute oral toxicity (LD50): 3360 mg/kg [Mouse].

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Item 2

Oral, mouse: LD50 = 5040 mg/kg;

Oral, rat: LD50 = 3 gm/kg;

Item 3

Toxicity Data: No data available.

12 ECOLOGICAL INFORMATION

The information given is based on data available for the material, the components of the material, and similar materials.

ECOTOXICITY

Not expected to be harmful to aquatic organisms.

Not expected to be harmful to terrestrial organisms

13 DISPOSAL CONSIDERATIONS

Disposal recommendations based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

DISPOSAL RECOMMENDATIONS

Waste must be disposed of in accordance with federal, state and local environmental control regulations

14 TRANSPORT INFORMATION

LAND: Not Regulated for Land Transport

SEA (IMDG): Not Regulated for Sea Transport according to IMDG-Code

AIR (IATA): Not Regulated for Air Transport

15 REGULATORY INFORMATION

Item 1

Federal and State Regulations: TSCA 8(b) inventory: Sodium bicarbonate

WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC): This product is not classified according to the EU regulations. Not applicable.

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 0

Reactivity: 0

Item 2

CAS# 77-92-9 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations European Labeling in Accordance with EC Directives

Hazard Symbols: Xi

Risk Phrases: R 36/37/38 Irritating to eyes, respiratory system and skin.

Canada CAS# 77-92-9 is listed on Canada's DSL List.

This product has a WHMIS classification of D2B.

Item 3

EU Additional Classification: R 36/37/38

Risk Statements: Irritating to eyes, respiratory system and skin.

16 OTHER INFORMATION

The information and recommendations contained herein are, to the best of supplier's knowledge and belief, accurate and reliable as of the date issued. You can contact supplier to insure that this document is the most current available from supplier. The information and recommendations are offered for the user's consideration and examination. It is the user's responsibility to satisfy itself that the product is suitable for the intended use. If buyer repackages this product, it is the user's responsibility to insure proper health, safety and other necessary information is included with and/or on the container. Appropriate warnings and safe-handling procedures should be provided to handlers and users.



MATERIAL SAFETY DATA SHEET

IDENTIFICATION DU PRODUIT CHIMIQUE ET DE L'ENTREPRISE

PRODUCT

Product Name: KIT de détection à réponse rapide (6 heures) – 10040-41

Intended Use: Produire du dioxyde de carbone et détecter les punaises de lit.

COMPANY IDENTIFICATION

SUPPLIER: BEAPCO
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3 HAZARDS IDENTIFICATION

Item 1

Effets aigus potentiels sur la santé : Légèrement dangereux en cas de contact avec la peau (irritant), de contact avec les yeux (irritant), d'ingestion, d'inhalation

Item 2

Prudence! Provoque une irritation des voies respiratoires. Peut causer une irritation du tube digestif. Sensible à l'humidité. Provoque une grave irritation des yeux. Peut entraîner une sensibilisation cutanée par contact avec la peau. Provoque une irritation cutanée. Organes cibles :

Aucun.

Effets potentiels sur la santé

Yeux : Provoque une grave irritation des yeux et des blessures possibles.

Peau : Provoque une irritation de la peau. Peut provoquer une sensibilisation cutanée, une réaction allergique, qui devient évidente lors d'une nouvelle exposition à ce matériau.

Ingestion : Peut causer une irritation gastro-intestinale accompagnée de nausées, de vomissements et de diarrhée.

Une consommation excessive d'acide citrique peut provoquer une érosion des dents.

Inhalation : Provoque une irritation des voies respiratoires.

Chronique : L'exposition répétée peut provoquer une dermatite de sensibilisation.

Item 3: Cette substance est considérée comme non dangereuse.

4 FIRST AID MEASURES

Item 1

Contact avec les yeux : recherchez et retirez les lentilles de contact. En cas de contact, rincer immédiatement les yeux à grande eau pendant au moins 15 minutes. De l'eau froide peut être utilisée. Consulter un médecin en cas d'irritation.

Contact avec la peau : Laver à l'eau et au savon. Couvrir la peau irritée avec un émollient. Consulter un médecin si l'irritation se développe. De l'eau froide peut être utilisée.

Contact cutané grave : Non disponible.

Inhalation : En cas d'inhalation, déplacer à l'air frais. En cas d'arrêt respiratoire, pratiquer la respiration artificielle. Si la respiration est difficile, donner de l'oxygène. Obtenez des soins médicaux.

Item 2

Yeux : Rincer immédiatement les yeux à grande eau pendant au moins 15 minutes, en soulevant occasionnellement les paupières supérieures et inférieures. Obtenez une aide médicale. **NE PAS** permettre à la victime de se frotter ou de garder les yeux fermés.

Peau : Rincer abondamment la peau à l'eau et au savon pendant au moins 15 minutes tout en retirant les vêtements et les chaussures contaminés. Demandez de l'assistance médicale si l'irritation se développe ou persiste. Laver les vêtements avant de les réutiliser.

Ingestion : **NE PAS** faire vomir. Si la victime est consciente et alerte, lui donner 2 à 4 tasses de lait ou d'eau. Ne portez rien à la bouche d'une personne inconsciente. Obtenez une aide médicale.

Inhalation : Retirer immédiatement de l'exposition à l'air frais. Si la respiration est difficile, donner de l'oxygène.

Item 3

Skin Exposure: In case of contact, flush with copious amounts of water. If irritation persists, call a physician.

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