

MATERIAL SAFETY DATA SHEET

DATE PREPARED: May 1, 1999

HMIS RATING: Health = 1

Flammability = 2

Reactivity = 0

Personal Protection = D

SECTION 1

PRODUCT IDENTITY

PRODUCT NAME:

BEYOND-2009™

MANUFACTURER'S NAME:

TODAY & BEYOND

COMPANY ADDRESS:

P.O. BOX 690 - ASHLAND, OHIO 44805

PHONE & FAX NUMBER'S:

(419)-945-2628

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SECTION 2

PRODUCT INGREDIENT INFORMATION

Chemical name

CAS Registry No

%WT

TWA

STEL

SOURCE

CARCINOGEN?

Benzene, 1-chloro-4-(trifluoromethyl)

98-56-6

25-40

(ppm)

(ppm)

OSHA

NO

Propanol, (2-methoxy-methylethoxy-)

34590-94-8

60-75

N.E.

N.E.

OSHA

NO

SECTION 3

HAZARDS IDENTIFICATION

Primary Routes of Entry:

Skin contact, eye contact, inhalation and ingestion.

Target Organs:

Central nervous system, kidneys & liver.

SKIN CONTACT:

Causes skin irritation. Contact may cause redness, burning, drying and cracking of the skin and skin damage. No harmful effects from skin absorption have been reported.

EYE CONTACT:

May cause irritation, experienced as stinging, pain and excess redness and swelling of the conjunctiva.

INHALATION:

May cause symptoms of central nervous system depression including dizziness, drowsiness, nausea and in-coordination. Exposure to vapors at elevated temperatures may cause respiratory irritation.

INGESTION:

Slightly toxic. ASPIRATION HAZARD- product may enter lungs during swallowing or vomiting and cause lung inflammation and damage. May cause dizziness, drowsiness, mental confusion, nausea, in-coordination and vomiting. Prolonged ingestion may cause liver and kidney damage.

Acute effects of overexposure: May cause irritation to tissues contacted with symptoms noted above.

Chronic effects of overexposure: Repeated and/or prolonged inhalation of solvents have been associated with permanent central nervous system and brain damage. Prolonged or repeated breathing or swallowing of large amounts may cause liver and kidney damage (based on animal studies).

SECTION 4

FIRST AID PROCEDURES

SKIN: Wash with plenty of water and soap. Remove contaminated clothing and wash clothing before reuse. If irritation persists, get medical attention.

EYES: Immediately flush with plenty of water for at least 15 minutes while holding eye lids apart. If irritation persists, get medical attention.

INHALATION: Remove to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Get medical attention at once.

INGESTION: ASPIRATION HAZARD: If victim is drowsy or unconscious, place on the left side with the head down and do not give anything by mouth. If conscious, keep victim calm and get medical attention immediately. Do not give fluids. **DO NOT INDUCE VOMITING.**

SECTION 5

FIRE FIGHTING INFORMATION

FLASH POINT (degree's F)

Approx. 150 (calculated).

AUTOIGNITION TEMPERATURE:

Not determined.

FLAMMABILITY Limits in air (% V):

Not determined.

EXTINGUISHING MEDIA:

Use dry chemical, carbon dioxide, halon, foam or water spray.

SECTION 5 FIRE FIGHTING INFORMATION CONTINUED

- Special Fire Fighting Procedures:** Evacuate all unnecessary personnel. Shut down motors, pumps, electrical service and eliminate all sources of ignition. Cool fire exposed containers with water to prevent rupture. Wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus and full protective clothing.
- Unusual Fire & Explosion Hazards:** Vapors may travel considerable distances before ignition. Vapors may be ignited by heat, sparks, flames, or other sources of ignition. Containers exposed to heat may build up sufficient pressures that can cause rupture of the containers.

SECTION 6**ACCIDENTAL RELEASE MEASURES**

- Small Spills:** Soak up with absorbent and place collected material in a closed container for disposal. Use caution as product is combustible and vapors may travel before ignition. Wear suitable protective clothing.
- Large Spills:** Immediately evacuate the area. Eliminate all ignition sources. All equipment used in clean-up must be non-sparking or grounded. Dike and contain the spill; recover as much material as possible for reuse. Absorb remaining material on absorbents and place in closed containers for proper disposal.
- Neutralizing Materials:** Absorbents-Clay, sand or commercial absorbents such as Hazorb or Pigs.

SECTION 7**HANDLING AND STORAGE**

- Handling & Storage Precautions:** Keep away from heat, sparks, pilot lights, welding operations and open flames. Avoid contact with eyes, skin and clothing. Do not swallow. Avoid breathing dust, vapors or mist. Keep containers properly labeled and closed when not in use. Do not eat, drink or smoke in areas where this material is used. Wash thoroughly with soap and water after handling. Do not reuse container. Product residues may remain. Ground all equipment before use. Avoid use in confined spaces.
- Other Precautions:** Do not cut, drill, grind, or weld on empty containers. Do not contaminate drinking water, food, or feed by storage or disposal of this product. Store in cool, ventilated area away from incompatible materials.

SECTION 8**PERSONAL PROTECTION & EXPOSURE CONTROLS**

- Ventilation:** Use sufficient local ventilation to maintain exposure below the TLV's listed in section two (2).
- Respiratory Protection:** Use a NIOSH approved respirator for organic vapors if necessary. If respirators are used; observe requirements or 29CFR 1910.134.
- Eye Protection:** Wear chemical splash goggles. When necessary, also use full face shield to protect against splashing.
- Other Protective Equipment:** Wear rubber gloves. Also wear a plastic or rubber apron for splash protection. Other protective clothing may be necessary depending on the method of product handling. Minimize contact with the skin. Emergency shower and eyewash facility should be in close proximity.

SECTION 9**PHYSICAL AND CHEMICAL PROPERTIES**

- Boiling Point @ 760 mm Hg (degrees F):** Approximately 282 to 371.
- Freezing Point (degrees F):** Not applicable.
- pH:** Not applicable.
- Percent Volatile by weight (%):** 100
- Specific Gravity @ 25 degrees C:** 1.042
- Solubility in Water:** 70%
- Appearance and Odor:** Clear to slightly yellow liquid with mild odor.
- Vapor Pressure mm Hg @ 20 degrees C:** Approx. 1.98
- Vapor Density (Air=1):** Approx. 5.46
- Evaporation Rate (BuAc=1):** 0.29

SECTION 10

STABILITY AND REACTIVITY

Product Stability: Product is stable under normal usage conditions.
Conditions to Avoid: Exposure to high temperatures, sparks, flames and electrical arcs.
Chemical Incompatibility: Oxidizers, strong acids, strong bases and amines.
Hazardous Decomposition Products: Carbon monoxides and carbon dioxides may be formed during combustion.
Chlorine and fluorine containing gases can be produced.
Hazardous Polymerization: Will not occur.

SECTION 11

DISPOSAL CONSIDERATIONS

Follow all local, state and federal regulations.

SECTION 12

TRANSPORT INFORMATION

D.O.T. Proper Shipping Name: Combustible liquid, n.o.s. (contains Benzene, 1-chloro-4-(trifluoromethyl)-and Propanol, 2-methoxy-methylethoxy-)
D.O.T. Hazard Class: Combustible liquid. **D.O.T. Labels Required:** None **UN/NA Code:** NA 1993
Packaging Group: III **Reportable Amount:** N.A.

SECTION 13

REGULATORY INFORMATION

Section 313 Supplier Notification: NONE

DISCLAIMER

The information contained herein is based upon data available to us and is believed to be correct. However, TODAY & BEYOND makes no warranty, expressed or implied, regarding the accuracy of this data or the results to be obtained from the use thereof. TODAY & BEYOND assumes no responsibility for injury from the use of the product described herein.