

TECH BEAD BREAKER

Product: 734

Section 1 : PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Tech international
 200 East Coshocton Street
 P.O. Box 486
 Johnstown, Ohio 43031.

Manufacturer emergency phone number: Chemtrec 800-424-9300.
 International: 703-527-3887.

Supplier: Same as manufacturer.

Product name: Tech Bead Breaker

Product uses: Rubber solvent.

Catalog number(s): 734, 734Q, 734-5G

Effective date: 2009/2/26

Revision No.: 3

Last review: 2009/2/26

NFPA:



Section 2 : INGREDIENT INFORMATION

C.A.S.	Concentration% wgt/wgt	Ingredient Name	OSHA-PEL TWA	OSHA-PEL STEL	ACGIH-TLV TWA	ACGIH-TLV STEL	NIOSH REL TWA	NIOSH REL STEL	NIOSH IDLH
100-41-4	10	ETHYLBENZENE	100 PPM/8H	125,000 PPM/15 MINUTES	100 PPM	125,000 PPM/15 MINUTES	100 PPM	125 PPM	
111-76-2	1 - 4.1	2-BUTOXY ETHANOL	50 PPM		20 PPM				
1330-20-7	55	XYLENE	100 PPM/8H		100 PPM	150 PPM	100 PPM	150 PPM	
64742-95-6	3.2 - 7	LIGHT AROMATIC SOLVENT NAPHTHA (C8-C10)							
8052-41-3	30 - 34	STODDARD SOLVENT	500 PPM	NOT AVAILABLE	100 PPM	200 PPM	350 MG/M3	NOT AVAILABLE	20,000 MG/M3
9016-45-9	4.1 - 8	NONYL PHENOL ETHOXYLATE							
95-63-6	1	1,2,4 TRIMETHYL BENZENE	25 PPM/8H		25 PPM				

Section 3 : HAZARD IDENTIFICATION
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Route of entry: Skin contact, eye contact, inhalation and ingestion.

Effects of acute exposure

Eye contact: May cause irritation.
 May cause redness and tearing.
 May cause stinging.
 May cause swelling.

- Skin contact:** May cause mild irritation.
May cause drying and cracking.
May cause redness or burning sensation.
- Inhalation:** May cause metallic taste.
May cause weakness and fatigue.
May cause respiratory irritation.
May cause loss of coordination.
May cause unconsciousness.
May cause confusion.
May cause dizziness and nausea.
May cause coma and death.
Breathing large amounts may be harmful.
May cause light headedness.
May cause nose and throat irritation.
May cause central nervous system depression.
May cause headaches and drowsiness.
- Ingestion:** Low oral toxicity.
May cause nausea, vomiting and diarrhea.
May cause gastro-intestinal irritation.
Aspiration hazard if swallowed.
May cause central nervous system depression.

Effects of chronic exposure: See effects of acute exposure.

Section 4 : FIRST AID MEASURES

- Skin contact:** Remove contaminated clothing.
Wash thoroughly with soap and water.
Seek medical attention if irritation persists.
- Eye contact:** Flush with water for at least 15 minutes, holding eyelids open with fingers.
Consult a physician if irritation persists.
- Inhalation:** Remove victim to fresh air.
Keep person warm and at rest.
If not breathing, qualified personnel should administer artificial respiration.
If breathing is difficult, administer oxygen.
Obtain immediate medical attention.
- Ingestion:** Obtain immediate medical attention.
Do not induce vomiting.
If victim is drowsy or unconscious, place on left side with head down. Do not leave individual unattended.
Never give anything by mouth to an unconscious person.
- Additional information:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any inaccuracies.

Section 5 : FIRE FIGHTING MEASURES

- Flammability:** Flammable.
- Conditions of flammability:** Excessive heat, sparks and open flames.
Vapours are heavier than air and may travel along the ground and be ignited by flames, sparks or other ignition sources at locations distant from the material handling point.

Extinguishing media: Carbon dioxide, dry chemical, foam.

Special procedures: Self-contained breathing apparatus required.
Firefighters should wear the usual protective gear.

Auto-ignition temperature: Not available.

Flash point (°C), method: 23.8 – 29.4°C (75 – 85°F)

**Lower flammability
limit (% vol):** 1.0%

**Upper flammability
limit (% vol):** 10.6%

Explosion Data

Sensitivity to static discharge: Take precautionary measures against static discharge.

Sensitivity to mechanical impact: Not available.

Hazardous combustion products: Carbon monoxide (CO).
Carbon dioxide (CO₂).
Various hydrocarbons.

Rate of burning: Not available.

Explosive power: Product (even just residue) can ignite explosively.

Section 6 : ACCIDENTAL RELEASE MEASURES

Leak/Spill: Recover using a pump.
Eliminate all sources of ignition.
Dike area to prevent spreading.
Evacuate all non-essential personnel.
Prevent entry into drains, sewers, and other waterways.
Absorb residual material with sand or other absorbent material.
Stop leak if without risk.
Wear appropriate protective equipment.
Transfer to an approved container for disposal.

Section 7 : HANDLING AND STORAGE

**Handling procedures and
equipment:** Maintain a good personal hygiene.
Keep away from heat, sparks, and open flame.
Use adequate ventilation.
Wash thoroughly after using, particularly before eating or smoking.
Wear personal protective equipment appropriate to task.
Empty containers containing residue may cause a hazard.
Do not cut, grind, weld or drill empty container.
Use proper grounding procedures.
Avoid contact with skin, eyes and clothing.
Avoid breathing vapor, fumes or mist.
Launder contaminated clothing prior to reuse.
Do not ingest.

Storage requirements: Store away from all sources of ignition.
Store away from incompatible materials.

Section 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Precautionary Measures

Gloves/Type:



Chemical resistant gloves.
Polyvinyl alcohol gloves.
Nitrile gloves.

Respiratory/Type:



If exposure limit is exceeded, wear a NIOSH approved respirator.
(negative pressure type).

Eye/Type:



Splash proof chemical goggles.

Footwear/Type:



Impervious boots.

Clothing/Type: Impervious clothing.

Other/Type: Eye wash facility should be in close proximity.
Emergency shower should be in close proximity.

Ventilation requirements: Provide ventilation capable of maintaining emissions below the TLV.
Explosion proof ventilation equipment.
Local exhaust and/or general ventilation.

Section 9 : PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid.

Appearance & odor: Colourless.
Strong solvent odor.

Odor threshold (ppm): Not available.

Vapour pressure (mmHg): 7.1 @ 25°C (77°F)

Vapour density (air=1): > 1

Volatiles (%)

By volume: 100%

Evaporation rate (butyl acetate = 1): Slower than ethyl ether.

Boiling point (°C): (initial boiling point).
136.1°C (277°F) @ 760 mm Hg

Freezing point (°C): Not available.

pH: Not applicable.

Specific gravity @ 20 °C: 0.845 @ 25°C (77°F)

Solubility in water (%): Not available.

Coefficient of water\oil dist.: Not available.

VOC: 7.05 lbs/gal (845.6 g/l)

Section 10 : STABILITY AND REACTIVITY

Chemical stability: Product is stable.

Conditions of instability: None known.

Hazardous polymerization: Will not occur.

Incompatible substances: Strong acids.
Strong oxidizing agents.

Hazardous decomposition products: See hazardous combustion products.

Section 11 : TOXICOLOGICAL INFORMATION

LD50 of product, species & route: Not available for mixture, see the ingredients section.

LC50 of product, species & route: Not available for mixture, see the ingredients section.

Exposure limit of material: Not available for mixture, see the ingredients section.

Sensitization to product: Not available.

Reproductive effects: Not available.

Teratogenicity: Not available.

Mutagenicity: Not available.

Synergistic materials: Not available.

Section 12 : ECOLOGICAL INFORMATION

Environmental toxicity: No data at this time.

Environmental fate: No data at this time.

Section 13 : DISPOSAL CONSIDERATIONS

Waste disposal: Dispose in accordance with local, provincial/state, and federal regulations.

Hazardous Waste Classification: D001

Section 14 : TRANSPORT INFORMATION

DOT: FLAMMABLE LIQUID, N.O.S. (xylene)
UN1993
Class 3
PG III

Labels required: Flammable liquid.

Emergency response guidebook number: 128

EmS number: 3-07

Special shipping information: See transportation information.

Section 15 : REGULATORY INFORMATION
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USA Regulatory Information

SARA hazard categories sections Immediate (Acute) Health Hazard: Yes.

311/312: Delayed (Chronic) Health Hazard: Yes.

Fire Hazard: Yes.

Sudden Release of Pressure: No.

Reactive: No.

SARA Section 313: Xylene (1330-20-7).

Ethylbenzene (100-41-4).

1,2,4-Trimethylbenzene (95-63-6).

CERCLA reportable quantity: Ethylbenzene (100-41-4) – 1000 lbs.

Xylene (1330-20-7) – 100 lbs.

TSCA inventory: All ingredients are listed on the TSCA inventory.

Section 16 : OTHER INFORMATION

Data prepared by: Global Safety Management
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