

Section 1. Identification

Product Name: Techno Adhesives #440 Contact Adhesive
Product Code: 440
Product Type: Liquid

Product Manufacturer: Techno Adhesives Company
12113 Mosteller Road
Cincinnati, OH 45241
(800) 432-0107

In case of an emergency: United States: (800) 633-8253
International: (801) 629-0667 – Professional Emergency Response
Services, Acct #9137

Section 2. Hazards Identification

Emergency Overview

Appearance/Odor: Medium thin liquid, light amber color, solvent odor.

Classification: FLAMMABLE LIQUID; HIGHLY FLAMMABLE – Category 2, H225
EYE IRRITATION - Category 2A, H319
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)
[Narcotic effects] – Category 3, H336

Signal word : DANGER

Hazard statements : H225: Highly flammable liquid and vapor.
H319: Causes eye irritation.
H336: Specific organ toxicity – single exposure (Category 3),
Central nervous system (CNS).

Hazard pictograms :



Precautionary statements

Prevention : P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
P233: Keep container tightly closed.
P240: Ground/Bond container and receiving equipment.
P241: Use explosion-proof electrical/ventilating/lighting equipment.
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge.
P261: Avoid breathing fumes/vapors.

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Section 2. Hazards Identification

Response :

P264: Wash hands and exposed skin thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear eye protection/face protection. Wear protective gloves.
P303 + P361 + P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 + P312: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
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.

Storage :

P370 + P378: In case of fire: Use alcohol-resistant foam, dry chemical or carbon dioxide (CO₂).
P403 + P233: Store in well ventilated place. Keep container tightly closed.
P403 + P235: Store in well ventilated place. Keep cool.
P405: Store locked up.

Disposal :

P501: Disposal of contents/container to be specified in accordance with regulations.

GHS label elements

General :

Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

OSHA/HCS status :

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Hazards not otherwise classified:

Repeated exposure may cause skin dryness or cracking.

Section 3. Composition/Information on Ingredients

Substance/Mixture:

Mixture

Other means of identification :

Not available

CAS Number/Other Identifiers

CAS Number :

Not applicable.

Component	%	CAS Number
Acetone	78	67-64-1

Any concentration shown as a range is due to batch variation in the petroleum source used.

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Section 3. Composition/Information on Ingredients

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First Aid Measures

Description of Necessary First Aid Measures

- Eye Contact:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 15 minutes. Get medical attention.
- Skin Contact:** Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 15 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Ingestion:** Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most Important Symptoms/Effects, Acute And Delayed Potential Acute Health Effects

- Eye Contact:** May cause eye irritation.
- Inhalation:** Vapors that are inhaled may be irritating and CNS-depressant. Symptoms may include: nausea, headaches, dizziness, vertigo, unconsciousness to coma and death upon extended and severe exposure.

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Section 4. First Aid Measures

Skin Contact: May cause skin irritation. Prolonged contact may lead to dryness of skin and dermatitis.

Ingestion: Irritating to mouth, throat and stomach.

Indication of Immediate Medical Attention and Special Treatment Needed, If Necessary

Notes to Physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific Treatments: No specific treatment.

Protection of First Responders: No action taken shall be taken involving any personal risk without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5. Fire Fighting Measures

Lower Explosive Limit (LEL) 2.6% (V)

Upper Explosive Limit (UEL) 12.8% (V)

Suitable Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide (CO₂).

Unsuitable Extinguishing Media: Do not use a solid water stream as it may scatter and spread fire.

Unusual Fire and Explosion Hazards: All 5 gallon pails and larger containers should be grounded when transferred. Material is volatile and gives off vapors which may travel along the ground or be moved by ventilation and be ignited by pilot lights, flames, sparks, heaters, electrical motors, smoking and static discharge or other ignition sources at locations far from material. DO NOT USE WELDING OR CUTTING TORCH ON DRUMS EVEN WHEN EMPTY.

Product of Combustion: Decomposition products may include carbon monoxide and carbon dioxide.

Special Fire Fighting Procedures: Water may be ineffective but may be used to keep fire exposed containers cool.

Protection of Firefighters: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Fire-fighters should wear appropriate protection equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in a positive pressure mode.

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Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

- For Non-emergency Personnel:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For Emergency Responders:** If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".
- Environmental Precautions:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods for Containment

- Small Spill:** Stop leak if without risk. Move containers from spill area. Absorb with an inert absorbent material and place in a closed metal container (USDOT if waste will be transported). Dispose of via a licensed waste disposal contractor.
- Large Spill:** Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks. Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with inert, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and Storage

- Protective Measures:** Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use explosion-proof equipment. Keep away from sources of ignition – NO SMOKING. Take measures to prevent the buildup of electrostatic charge. Keep

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Section 7. Handling and Storage

in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

General Occupational Hygiene:

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Safe Storage Conditions:

Keep away from flame, sparks, excessive temperatures and open flame. Store in accordance with local regulations. The storage area should comply with NFPA 30 "Flammable and Combustible Liquid Code". Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. This product should only be stored and handled in areas with intrinsically safe electrical classification.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits:

List	Components	CAS-No.	Type	Value
OSHA Z1	Acetone	67-64-1	PEL	1,000 ppm 2,400 mg/m ³
ACGIH	Acetone	67-64-1	TWA	500 ppm
		67-64-1	STEL	750 ppm

Engineering Controls:

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental Exposure Controls:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual Protection Measures

Hygiene Measures:

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the

Section 8. Exposure Controls/Personal Protection

lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/Face Protection:

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin Protection

Hand Protection:

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling product. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: Chemical-resistant gloves.

Body Protection:

Flame retardant, antistatic and impervious clothing is recommended. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other Skin Protection:

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

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Section 8. Exposure Controls/Personal Protection

Respiratory Protection: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Section 9. Physical and Chemical Properties

Physical State: Liquid.
Color: Light amber.
Odor: Characteristic solvent odor.
pH: Not Available.
Melting Point: Not Applicable.
Boiling Point: 133°F
Specific Gravity: .79 g/cm³
Solubility in Water Partially soluble.
VOC Content: 0 g/l (EPA Method 24 – less water and VOC exempt compounds)
Vapor Pressure: 185 mm
Vapor Density (AIR = 1): 2.0

Section 10. Stability and Reactivity

Reactivity: No specific test data related to reactivity is available for this product or its ingredients.
Chemical Stability: Stable.
Conditions to Avoid: No specific data.
Incompatible Materials: Acid, bases, reducing agents, strong oxidizing agents.
Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Possibility of Hazardous Reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Section 11. Toxicological Information

Information on Toxicological Effects

Acute Toxicity

Component	CAS No	Result	Species	Dose	Exposure
Acetone	67-64-1	LD50 Oral	Mouse	3,000 mg/kg	-

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	67-64-1	LC50	Mouse	44000 mg/m3	4 h
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Section 11. Toxicological Information

Sensitization	: Not available
Carcinogenicity	: Not available
Reproductive Toxicity	: Not available
Teratogenicity	: Not available
Specific Target Organ Toxicity (single exposure)	: Central nervous system (CNS).
Information on the likely routes of exposure	: Oral, Dermal, Inhalation

Section 12. Ecological Information

Ecotoxicity

Component	CAS No	Test	Species	Dose	Exposure
Acetone	67-64-1	LC50 Fish	Fathead Minnow	7,500 mg/l	96 h
	67-64-1	LC50	Water Flea	8,800 mg/l	48 h

Bioaccumulative Potential

Mobility in Soil

Soil/water Partition Coefficient (K_{oc})	: Not available.
Other Adverse Effects	: No known significant effects of critical hazards.

Section 13. Disposal Considerations

Waste Treatment Methods

Product	Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues.
Contaminated	Dispose of as unused product.

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Packaging:

Section 14. Transport Information

	DOT Classification	IMDG	IATA
UN Number	1133	1133	1133
UN Proper Shipping Name	Adhesive	Adhesive	Adhesive
Transport Hazard Classes	3	3	3
Packing Group	II	II	II
Environmental Hazards	-	-	-
Additional Information	-	-	-

Special Precautions for User : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Section 15. Regulatory Information

OSHA Hazards : Flammable liquid
Mild skin irritant

U.S. Federal Regulations : **United States Inventory (TSCA 8b)**: All components are listed or exempted.

DSL Status : All components of this product are on the Canadian DSL list.

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

SARA 311/312 Hazards : Fire hazard.
Acute health hazard.
Chronic health hazard.

SARA 313 Components : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

PENN RTK : US Pennsylvania Worker and Community Right-to-Know Law (34 Pa. Code Chap. 301-323)

Components : **CAS-No.**
Acetone : 67-64-1

MASS RTK : US Massachusetts Commonwealth's Right-to-Know Law (Appendix A to 105 Code of Massachusetts Regulations Section 670.000)

Components : **CAS-No.**
Acetone : 67-64-1

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Section 15. Regulatory Information

NJ RTK

US. New Jersey Worker and Community Right-to-Know Act (New Jersey Statute Annotated Section 34:5A-5)

Components
Acetone

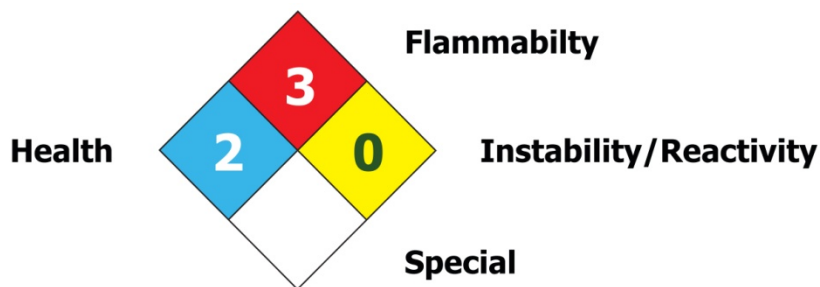
CAS-No.
67-64-1

Label for Supply



Section 16. Other Information

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



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Section 16. Other Information

HMIS Rating

Health Hazard	: 2
Chronic Health Hazard	: *
Flammability	: 3
Physical Hazard	: 0

History

Date of printing	: 9/22/17
Date of issue/Date of Revision	: 9/22/17
Date of previous issue	: 9/22/15

References : Not available

Disclaimer

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