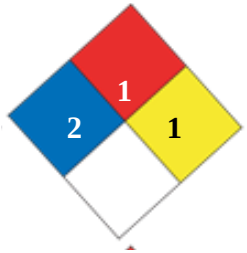
Uline

Instapak Quick Tuff Component "A"

Manufacturer MSDS Number: M-61

NFPA



HMIS

HEALTH	2
FIRE	1
REACTIVITY	1
PPE	B

SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name: Instapak Quick Tuff Component "A"

Distributor Name: Uline

Distributor Address:

10 Old Sherman Turnpike
Danbury, CT 06810

EMERGENCY NUMBERS:

CHEMTREC: (800) 424-9300 For Chemical Emergency - spill, leak, fire, exposure or accident 24 hours

Distributor Phone: 800-295-5510

For information in North America, call: 800-295-5510

Manufacturer MSDS Revision Date: 8/2004

Trade Names:

Polymeric MDI

INSTAPAK® QUICK TUFF TM COMPONENT "A"

Chemical Family: Aromatic Isocyanates

Chemical Formula: Not Available

Chemical Name:

Polymethylene Polyphenylisocyanate

QUICKTUFF-A

HMIS Hazard Code:
PPE: B (Personal Protective Equipment) (B = safety glasses and gloves)

* Indicates a chronic hazard

NFPA
Health: 2
Flammability: 1
Reactivity: 1
Other: None
HMIS
Health Hazard: 2*
Fire Hazard: 1
Reactivity: 1
Personal Protection: B

SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Name	CAS#	% Weight	
Polymeric Diphenylmethane Diisocyanate (polymeric MDI or PMDI)	9016-87-9	100%	

OSHA PEL TWA: Not Listed
ACGIH TLV TWA: Not Listed

Contains:

Chemical Name	CAS#		
4,4'-Diphenylmethane diisocyanate (4,4'-MDI; approx. 45%)	101-68-8		

OSHA STEL/Ceiling: Ceiling: 0.02 ppm
ACGIH TLV TWA: 0.005 ppm

Chemical Name	CAS#		
Other MDI isomers and oligomers	Not Listed		

OSHA PEL TWA: Not Listed

ACGIH TLV TWA: Not Listed

This product is classified as hazardous under OSHA Hazard Communication Standard (29 CFR 1910.1200).

SECTION 3 : HAZARDS IDENTIFICATION

Physical State:

Liquid.

Color: Dark brown.

Odor: Slightly aromatic (musty).

Physical Health Hazard:

Health Hazards: Irritating to eyes, respiratory system and skin. Repeated inhalation of aerosols at levels above the occupational exposure limit could cause respiratory sensitization and risk of serious damage to respiratory system. The onset of the respiratory symptoms may be delayed for several hours after exposure. A hyper-reactive response to even minimal concentrations of MDI may develop in sensitized persons. Sensitized persons should not be exposed to any mixture containing unreacted MDI.

Physical Hazards: Reacts slowly with water to produce carbon dioxide that may rupture closed containers. This reaction accelerates at higher temperatures.

Note: Read the entire MSDS for a more thorough evaluation of the hazard information on this product.

SECTION 4 : FIRST AID MEASURES

Eye Contact:

Immediately flush eyes with copious amounts of water for a minimum of 15 minutes, holding lids open with fingers. If irritation persists, repeat flushing. Refer individual to a physician for immediate follow-up.

Skin Contact:

Remove contaminated clothing. Immediately wash affected area thoroughly with soap and water. Some organic materials such as corn oil or propylene glycol are effective in decontaminating MDI from the skin when applied immediately. Contaminated clothing should be thoroughly cleaned before reuse. If irritation, redness, or a burning sensation develops and persists, obtain medical advice.

Inhalation:

Remove patient from further exposure and obtain medical attention. Treatment is symptomatic for primary irritation or difficulty in breathing. If breathing is labored, qualified personnel should administer oxygen. Apply artificial respiration if breathing has ceased or shows signs of failing. Asthmatic-like symptoms, if manifested, may develop immediately, or be delayed for up to several hours.

Ingestion:

Do NOT induce vomiting. Provided the patient is conscious, wash mouth out with water then give 1 or 2 glasses of water to drink. Refer person to medical personnel for immediate attention.

Note to Physicians:

Symptomatic and supportive therapy as indicated. Following severe exposure medical follow-up should be monitored for at least 48 hours.

SECTION 5 : FIRE FIGHTING MEASURES

Flash Point:

390 deg F (199 deg C)

Flash Point Method:

Pensky-Martens Closed Cup

Upper Flammable or Explosive Limit:

Not available

Lower Flammable or Explosive Limit:

Not available

Extinguishing Media:

Water, carbon dioxide (CO2), dry chemical, or appropriate foam. If water is used, large quantities are required. Reaction between water and hot isocyanate may be vigorous. Contain run-off water with temporary barriers.

Fire Fighting Instructions:

As appropriate for surrounding materials/equipment.

Fire Fighting Equipment:

Firefighters must wear self-contained breathing apparatus and full protective clothing (Bunker gear).

NFPA

Health: 2

Flammability: 1

Reactivity: 1

Other: None

Unusual Fire Hazards:

Containers may burst under intense heat. Due to reaction with water, a hazardous build-up of pressure could result if contaminated containers are re-sealed.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Spill Cleanup Measures:

Evacuate area surrounding the spill and prevent further spillage, leakage or entry into drains. Eye and skin protection should be worn during spill cleanup and ventilation maintained. If the potential for airborne concentrations of MDI above the PEL exists, then respiratory protection should be worn. Contain and cover spill with loose absorbent (earth, sand, sawdust or other absorbent material), or absorbent pillows, pads or socks. Collect absorbed material in open containers or plastic bags, and treat with deactivating solution (90% water, 8% concentrated ammonia, 2% detergent). Allow to stand uncovered for 48-72 hours to permit carbon dioxide to escape and solidification to occur. Wash spill area with deactivating solution and let stand for 30 minutes or longer. Dispose of absorbed and neutralized material properly.

SECTION 7 : HANDLING and STORAGE

Handling:

Do not reseal containers unless it is certain that no moisture contamination has occurred. Do not breathe vapors or allow skin contact.

Storage:

Do not store product containers uncovered outdoors.

Storage Temperature: Min. 50 deg F (10 deg C) Max. 100 deg F (38 deg C)

Average Shelf Life: 12 months (when stored in original, unopened, sealed containers).

Special Sensitivity:

Reacts with moisture to produce carbon dioxide gas.

SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION

Ventilation System:

Use local exhaust ventilation if necessary to maintain levels below the PEL. For guidance on engineering controls refer to the ACGIH publication “Industrial Ventilation.”

Eye/Face Protection:

Safety glasses with side shields or goggles.

Protective Clothing/Body Protection:

Chemical resistant butyl rubber, nitrile rubber, neoprene, or other suitable protective gloves.

Respiratory Protection:

Due to the low vapor pressure of this material, the PEL is not likely to be exceeded under normal conditions. If the material is heated or spilled in a confined area, respiratory protection should be worn. An approved air purifying respirator equipped with an organic vapor cartridge and a HEPA (P100) particulate filter may be used when an appropriate cartridge change-out schedule has been developed in accordance with the OSHA respiratory protection standard (29 CFR 1910.134). Where concentrations exceed the level for which an air-purifying respirator is effective, use a positive pressure, supplied air respirator.

Other Protective:

Eyewash station, safety shower, and deactivating solution (see Section 6) should be available. Refer to the “Instapak Quick® User’s Guide” before handling Instapak® chemicals.

Exposure Guidelines:

Medical supervision of employees who come into contact with respiratory sensitizers is recommended. Persons with asthmatic-type conditions, chronic bronchitis, other chronic respiratory diseases or recurrent skin eczema or sensitization should be excluded from working with this product. Once a person is sensitized, no further exposure to the material that caused the sensitization should be permitted.

HMIS Hazard Code:
Health: 2*
Flammability: 1
Reactivity: 1
PPE: B (Personal Protective Equipment) (B = safety glasses and gloves)

*indicates a chronic hazard

Ingredient Guidelines

Ingredient: 4,4'-Diphenylmethane diisocyanate (4,4'-MDI; approx. 45%)

Guideline Type:	OSHA PEL-STEL
Guideline Information:	Ceiling = 0.02 ppm
Guideline Type:	ACGIH TLV-TWA
Guideline Information:	0.005 ppm

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

Color:

Dark brown

Odor:

Slightly aromatic (musty)

Physical State:

Liquid

Vapor Pressure:

< 10^-5 mm Hg at 25 deg C (for Polymeric MDI)

Vapor Density:

(Air = 1): 8.5

Boiling Point:

406 deg F (208 deg C)

Melting Point:

Not established.

Solubility:

In Water: Not soluble. Reacts slowly to liberate CO2 gas.

Specific Gravity:

1.24 at 25 deg C

Density:

Bulk Density: 10.3 lbs/gal

Percent Volatile:

By Volume: Nil

Molecular Weight:

Approx. 350

Flashpoint:

390 deg F (199 deg C)

Upper Flammable Explosive Limit:

Not available

Lower Flammable Explosive Limit:

Not available

SECTION 10 : STABILITY AND REACTIVITY

Chemical Stability:

Stable under normal conditions. Avoid temperatures above 110 deg F (43 deg C) or below 40 deg F (4 deg C).

Conditions to Avoid:

Contact with moisture and other materials that contain active hydrogen.

Incompatibilities with Other Materials:

Water, amines, strong bases and alcohols. The reaction with water is slow at temperatures less than 120 deg F (49 deg C) but is accelerated at higher temperatures.

Hazardous Polymerization:

May occur at elevated temperatures in the presence of moisture, alkalies, tertiary amines and metal compounds.

Hazardous Decomposition Products:

Highly unlikely under normal industrial use. Exposure to fire or extreme heat may generate oxides of carbon, oxides of nitrogen, and traces of hydrogen cyanide.

SECTION 11 : TOXICOLOGICAL INFORMATION

Applies to all ingredients:

Routes of Exposure:

Skin contact from liquid. Inhalation. However, due to the low vapor pressure, overexposure is not expected under normal conditions unless material is heated or used in a poorly ventilated area.

Eye Effect:

Liquid can cause eye irritation, tearing, reddening and swelling. Permanent corneal injury is unlikely. Exposure to MDI vapors in excess of 0.02 ppm may cause irritation.

Skin Effects:

May cause irritation or rash. Can cause skin discoloration. Repeated and/or prolonged contact may result in skin sensitization. Individuals who have skin sensitization can develop symptoms (e.g., reddening swelling, rash) from contact with liquid or vapors. There is limited evidence from laboratory tests that skin contact may play a role in respiratory sensitization. This data reinforces the need to prevent direct skin contact and the importance of protective gloves.

Ingestion Effects:

Ingestion is unlikely. Based on the acute oral LD50, this product is considered practically non-toxic by ingestion. Ingestion can cause irritation and corrosive action in the mouth, stomach and digestive tract.

Inhalation Effects:

This product is a respiratory irritant and potential respiratory sensitizer. Inhalation of vapor or aerosol at levels above the occupational exposure limit can cause respiratory sensitization. Symptoms may include irritation to the eyes, nose, throat, and lungs, possibly combined with dryness of the throat, tightness of chest and difficulty in breathing. The onset of respiratory symptoms may be delayed for several hours after exposure.

A hyper-reactive response to even minimal concentrations of MDI may develop in sensitized persons. Sensitized persons should be removed from any further exposure. Persons with asthma-type conditions or other chronic respiratory diseases should be excluded from working with MDI. Like many other non-specific asthmatic responses, there are reports that a sensitized individual can experience symptoms upon exposure to dust, cold air or other irritants. In a single evaluation of 5 men occupationally exposed to MDI and hydrocarbon solvent vapors under conditions where adequate ventilation or other safety precautions were not used, neuropsychologic findings were attributed to MDI.

Chronic Effects:

A study was conducted where groups of rats were exposed for 6 hours/day, 5 days/ week for a lifetime to atmospheres of respirable polymeric MDI aerosol either at concentrations of 0, 0.2, 1, or 6 mg/m3 (which corresponds to MDI levels equal to the OSHA-PEL, 5 times the OSHA-PEL and 30 times the OSHA-PEL). No adverse effects were observed at 0.2 mg/m3 concentrations. At the 1 mg/m3 concentration, minimal nasal and lung irritant effects were seen. Only at the top concentration (6 mg/m3) was there an increased incidence of benign tumor of the lung (adenoma) and one malignant tumor (adenocarcinoma). MDI administration to rats in this study did not change the distribution and incidence of tumors from those seen in control animals. The increased incidence of lung tumors is associated with prolonged respiratory irritation and the concurrent accumulation of yellow material in the lung. In the absence of prolonged exposure to high concentrations leading to chronic irritation and lung damage, it is highly unlikely that tumor formation will occur.

Carcinogenicity:

The ingredients of this product (> 0.1%) are not classified as carcinogenic by ACGIH or IARC, not regulated as carcinogens by OSHA and not listed as carcinogens by NTP.

Mutagenicity:

There is no substantial evidence of mutagenic potential.

Teratogenicity:

Fetotoxicity: No birth defects were seen in two independent animal (rat) studies. Fetotoxicity was observed at doses that were extremely toxic (including lethal) to the mother. The dose that produced this effect (1.2 ppm) is 60 times higher than the OSHA-PEL. Fetotoxicity was not observed at doses that were not maternally toxic. The doses used in these studies were maximal, respirable concentrations well in excess of the defined occupational exposure limits.

Reproductive Toxicity:

No adverse reproductive effects are anticipated.

Polymeric Diphenylmethane Diisocyanate (polymeric MDI or PMDI):

Skin Effects:

Polymeric MDI:
LD50 Dermal: > 5,000 mg/kg (rabbit)

Ingestion Effects:

Polymeric MDI:
LD50 Oral: > 10,000 mg/kg (rat)

Inhalation Effects:

Polymeric MDI:
LC50 Inhalation:
> 2,240 mg/m3/1 hour (rat) for an aerosol of monomeric MDI
370-490 mg/m3/4 hour (rat) for polymeric MDI

SECTION 12 : ECOLOGICAL INFORMATION

Environmental Fate:

Distribution: It is unlikely that significant environmental exposure in the air or water will arise, based on consideration of the production and use of the substance.

Effect of Material On Aquatic Life:

Aquatic Toxicity:
LC50: > 1000 mg/l (Zebra fish) At the highest level of 1000 mg/l, there were no deaths.
EC50 (24 hour): > 1000 mg/l (Daphnea magna)
EC50: > 100 mg/l (E. Coli)

Persistence and Degradation:

Immiscible with water, but will react with water to produce carbon dioxide, and inert and non-biodegradable solids.

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal:

Incinerate or dispose of in accordance with existing federal, state and local environmental control regulations. This material is not a hazardous waste under RCRA 40 CFR 261 when disposed of in its purchased form. Small quantities should be treated with deactivation solution outlined in Section 6. Refer to the “Instapak Quick® User’s Guide” for additional information concerning disposal of wastes and empty containers. Chemical waste, regardless of quantity, should never be poured into drains, sewers or waterways.

SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Information:

Single containers less than 5,000 pounds are not regulated.

IMO:

Not regulated.

IATA Class:

Not regulated.

ICAO Class:

Not regulated.

Reportable Quantity (RQ):
5,000 lbs. for Methylene diphenyl diisocyanate (4,4'-MDI), CAS ##101-68-8 (~ ~ 45% of product).

SECTION 15 : REGULATORY INFORMATION

Applies to All Ingredients:

TSCA 8(b): Inventory Status

All ingredients are listed or are not required to be listed.

Section 302:

SARA 302 Extremely Hazardous Substances: None

Section 304:

CERCLA Status: Discarded product is not a hazardous waste under RCRA, 40 CFR 261, when disposed of in its purchased form.

Section 312 Hazard Category:

SARA 311/312 Hazard Categories:

Acute: Yes

Chronic: Yes

Section 313 Toxic Release Form:

SARA 313 Listed Ingredients: This product contains the following chemicals subject to reporting requirements: 100% Diisocyanate compounds (Category Code N120).

This product contains a trace (ppm) amount of monochlorobenzene (CAS## 108-90-7) as an impurity.

OSHA 29 CFR 1200:

This product is classified as hazardous under OSHA Hazard Communication Standard (29 CFR 1910.1200).

4,4'-Diphenylmethane diisocyanate (4,4'-MDI; approx. 45%):

State:

Other Regulations/Legislation which apply to this product:
Massachusetts Right-to-Know, New Jersey Right-to-Know, Pennsylvania Right-to-Know [Methylene bisphenyl isocyanate (4,4'-MDI), CAS## 101-68-8].

SECTION 16 : ADDITIONAL INFORMATION

HMIS:

Health Hazard: 2* (* Indicates a chronic hazard)

Fire Hazard: 1

Reactivity: 1

Personal Protection: B (B = Safety glasses and gloves)

NFPA:

Fire Hazard: 1

Health: 2

Reactivity: 1

Specific Hazard: None

MSDS Revision Date:

8/2004

Section(s) Revised:
Section 15 - Regulatory Information

Disclaimer:

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of the distributor. The data on this sheet relates to the specific material designated herein. The distributor assumes no legal responsibility for use or reliance upon these data.

Other Information:

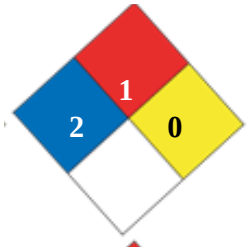
Other Regulations/Legislation which apply to this product:
Massachusetts Right-to-Know, New Jersey Right-to-Know, Pennsylvania Right-to-Know [Methylene bisphenyl isocyanate (4,4'-MDI), CAS## 101-68-8].

Printed on recycled paper (50% secondary material, minimum 10% post consumer) using vegetable based inks.

Uline

Instapak Quick Tuff Component “B”

NFPA



HMIS

HEALTH	2
FIRE	0
REACTIVITY	0
PPE	B

SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name: Instapak Quick Tuff Component “B”

Distributor Name: Uline

Distributor Address:

2200 S. Lakeside Drive
Waukegan, IL 60085

EMERGENCY NUMBERS:

CHEMTREC: (800) 424-9300 For Chemical Emergency - spill, leak, fire, exposure or accident 24 hours

Distributor Phone: 800-295-5510

For information in North America, call: 800-295-5510

Manufacturer MSDS Revision Date: 1/2004

Trade Names:

Polyol

Chemical Family: Not Applicable

Chemical Formula: Not Applicable

Chemical Name: Polyurethane Foam Resin

HMIS Hazard Code:
PPE: B (Personal Protective Equipment) (B = safety glasses and gloves)

NFPA
Health: 2
Flammability: 1
Reactivity: 0
Other: None
HMIS
Health Hazard: 2
Fire Hazard: 0
Reactivity: 0
Personal Protection: B

Product Codes:
QUICKTUFF-B

SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Name	CAS#	% Weight	
Amine Catalyst	Proprietary	~ 2.5%	

OSHA PEL TWA: Not Established
ACGIH TLV TWA: Not Established
Hazardous: Yes

This product is classified as hazardous under OSHA Hazard Communication Standard (29 CFR 1910.1200).

SECTION 3 : HAZARDS IDENTIFICATION

Physical State:

Liquid can be a straw to amber color and have a clear to cloudy appearance.

Color: Straw to amber color and have a clear to cloudy.

Odor: Slight amine.

Physical Health Hazard:

Health Hazards: Irritating to eyes and skin. Inhalation may result in irritation.

Physical Hazards: No immediate hazard.

Note: Read the entire MSDS for a more thorough evaluation of the hazard information on this product.

SECTION 4 : FIRST AID MEASURES

Eye Contact:

Flush with copious amounts of water for at least 15 minutes, holding lids open with fingers.

Skin Contact:

Wash area thoroughly with soap and water. Launder contaminated clothing before reuse.

Inhalation:

Remove patient from further exposure and obtain medical attention. Administer oxygen if necessary.

Ingestion:

Drink water to dilute and obtain medical attention.

Note to Physicians:

Symptomatic and supportive care as indicated.

SECTION 5 : FIRE FIGHTING MEASURES

Fire:

Fire and Explosion Hazards: Containers may burst under intense heat.

Flash Point:

Product as supplied does not have a flash point.

Flash Point Method:

Pensky-Martens Closed Cup

Upper Flammable or Explosive Limit:

Not applicable.

Lower Flammable or Explosive Limit:

Not applicable.

Extinguishing Media:

Carbon dioxide (CO2), chemical foam, dry chemical, water spray.

Fire Fighting Instructions:

As appropriate for surrounding materials/equipment.

Protective Equipment:

Fire Fighting: Firefighters must wear self-contained breathing apparatus to protect against toxic and irritating vapors; full protective clothing should also be worn.

NFPA

Health: 2

Flammability: 1

Reactivity: 0

Other: None

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Spill Cleanup Measures:

Evacuate area surrounding the spill and prevent further leakage, spillage or entry into drains. Eye and skin protection should be worn during spill cleanup and ventilation maintained. Contain and cover spill with loose absorbent (earth, sand, sawdust or other absorbent material) or absorbent pillows, pads or socks. Collect absorbed material in open containers or plastic bags. Dispose of spilled material properly.

SECTION 7 : HANDLING and STORAGE

Handling:

None.

Storage:

None.

Storage Temperature: Min. 35 deg F (2 deg C) Max. 110 deg F (43 deg C)

Average Shelf Life: 12 months (when stored in original, unopened, sealed containers).

Special Sensitivity: None.

SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION

Ventilation System:

Good general ventilation. For guidance on engineering controls refer to the ACGIH publication “Industrial Ventilation.”

Eye/Face Protection:

Safety glasses with side shields or goggles.

Protective Clothing/Body Protection:

Chemical resistant butyl rubber, nitrile rubber, neoprene, or other suitable protective gloves.

Respiratory Protection:

The use of respiratory protection should not be needed under normal use and handling conditions. If protection is chosen, an air purifying respirator, equipped with organic vapor cartridges, is appropriate.

Other Protective:

Eyewash station and safety shower should be available. Refer to the “Instapak Quick® User’s Guide” before handling Instapak® chemicals.

Exposure Limits:

OSHA-PEL: Not Established
ACGIH-TLV: Not Established

HMIS Hazard Code:
Health: 2
Flammability: 0
Reactivity: 0
PPE: B (Personal Protective Equipment) (B = safety glasses and gloves)

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

Color:

Light straw or amber

Odor:

Slight amine

Physical State:

Liquid

Vapor Pressure:

Not established (low)

Vapor Density:

(Air = 1): > 1

Boiling Point:

> 201 deg F (94 deg C)

Melting Point:

-20 deg F (-29 deg C)

Solubility:

In Water: Soluble

Specific Gravity:

1.03 at 25 deg C

Density:

Bulk: 8.6 lbs/gal

Percent Volatile:

By Volume: Nil

Molecular Weight:

Not applicable

Flashpoint:

Product as supplied does not have a flash point.

Upper Flammable Explosive Limit:

Not applicable.

Lower Flammable Explosive Limit:

Not applicable.

SECTION 10 : STABILITY AND REACTIVITY

Chemical Stability:

Stable.

Conditions to Avoid:

None.

Incompatibilities with Other Materials:

Contact with isocyanates, unless mixed at the proper ratio, should not occur.

Hazardous Polymerization:

Will not occur.

Hazardous Decomposition Products:

By fire or extreme heat, oxides of carbon and nitrogen.

SECTION 11 : TOXICOLOGICAL INFORMATION

Amine Catalyst:

Routes of Exposure:

Skin contact from liquid. Inhalation. However, overexposure is not expected under normal conditions.

Eye Effect:

Can cause eye irritation. Permanent corneal injury is unlikely.

Skin Effects:

LD50 Dermal: Not Established

Repeated contact may be irritating.

Ingestion Effects:

LD50 Oral: Not Established

Ingestion is unlikely. Large quantities could cause irritation of mouth and stomach.

Inhalation Effects:

LC50 Inhalation: Not Established

Vapors may be irritating if hot.

Chronic Effects:

No applicable data.

Carcinogenicity:

The ingredients of this product (> 0.1%) are not classified as carcinogenic by ACGIH or IARC, not regulated as carcinogens by OSHA, and not listed as carcinogens by NTP.

Mutagenicity:

No applicable data.

Teratogenicity:

Fetotoxicity: No applicable data.

Reproductive Toxicity:

No applicable data.

SECTION 12 : ECOLOGICAL INFORMATION

Ecological Paragraph:

No applicable data for this section.

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal:

Incinerate or dispose of in accordance with existing federal, state and local environmental control regulations. This material is not a hazardous waste under RCRA 40 CFR 261 when discarded in its purchased form. Also see “Instapak Quick® User’s Guide” for additional information concerning disposal of wastes and empty containers. Chemical waste, regardless of quantity, should never be poured into drains, sewers or waterways.

SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Information:

Not regulated.

IMO:

Not regulated.

IATA Hazard Class:

Not regulated.

Reportable Quantity: Not applicable.

ICAO Class: Not regulated.

SECTION 15 : REGULATORY INFORMATION

Amine Catalyst:

TSCA 8(b): Inventory Status

All ingredients are listed or are not required to be listed.

Section 302:

None.

Section 304:

CERCLA Status: Discarded product is not a hazardous waste under RCRA, 40 CFR 261, when disposed of in its purchased form.

Section 312 Hazard Category:

SARA 311/312 Hazard Categories:

Acute: Yes

Section 313 Toxic Release Form:

None.

OSHA 29 CFR 1200:

This product is classified as hazardous under OSHA Hazard Communication Standard (29 CFR 1910.1200).

State:

Other Regulations/Legislation which apply to this product: Substances used to manufacture this product do not require listing under Massachusetts, New Jersey or Pennsylvania Right-to-Know regulations.

SECTION 16 : ADDITIONAL INFORMATION

HMIS:

Health Hazard: 2

Fire Hazard: 0

Reactivity: 0

Personal Protection: B = Safety glasses and gloves

NFPA:

Fire Hazard: 1

Health: 2

Reactivity: 0

Specific Hazard: None

MSDS Revision Date:

1/2004
Section(s) Revised: Company logo revised.

Disclaimer:

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of the distributor. The data on this sheet relates to the specific material designated. The distributor assumes no legal responsibility for use or reliance upon these data.

OTHER INFORMATION:
Other Regulations/Legislation which apply to this product: Substances used to manufacture this product do not require listing under Massachusetts, New Jersey or Pennsylvania Right-to-Know regulations.

Printed on recycled paper (50% secondary material, minimum 10% post consumer) using vegetable based inks.

M-62