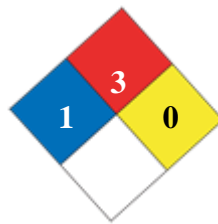


Uline

NFPA

HMIS

Wine Shipper Foam Inserts



HEALTH	1
FIRE	3
REACTIVITY	0
PPE	

SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name: Wine Shipper Foam Inserts

Distributor Name: Uline

Distributor Address:

2200 S. Lakeside Drive
Waukegan, IL 60085

TELEPHONE NUMBERS:

Distributor: (800) 295-5510
CHEMTREC: (800) 424-9300

Manufacturer Product Description:

Product Type: 3640, 5640, 7640, 5340S, 6340S, 7340S, 5340S-NS, 6340S-NS, 7340-NS, 3640-NS, 5640-NS, 7640-NS, 3640X, 5640X, 7640X

Health Phone: Medical Emergency: (409) 722-9673 (24 Hour)

Manufacturer MSDS Revision Date: 4/13/2000

Synonyms:

Modified EPS

Chemical Name and/or Family or Description: 3640, 5640, 7640, 5340S, 6340S, 7340S, 5340S-NS, 6340S-NS, 7340-NS, 3640-NS, 5640-NS, 7640-NS, 3640X, 5640X, 7640X

Chemical Name: Polystyrene thermoplastic polymer

Molecular Formula: (C₆H₈)_x

MATERIAL SAFETY DATA SHEET

READ AND UNDERSTAND MATERIAL SAFETY DATA SHEET BEFORE HANDLING OR DISPOSING OF PRODUCT

NFPA

Health: 1

Flammability: 3

Reactivity: 0

Other:

HMIS

Health Hazard: 1
Fire Hazard: 3
Reactivity: 0
Personal Protection:

Product Codes:
GRADE 40

SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Percent	
Benzene, ethenyl-, homopolymer	9003-53-6	> = 92.5%	

Common name: Polystyrene

Chemical Name	CAS#	Percent	
Pentane	109-66-0	< = 7.0%	

OSHA PEL TWA: 1000 ppm
OSHA STEL/Ceiling: STEL: 750 ppm
ACGIH TLV TWA: 600 ppm
Composition/Information:

THE CRITERIA FOR LISTING COMPONENTS IN THE COMPOSITION SECTION ARE AS FOLLOWS: CARCINOGENS ARE LISTED WHEN PRESENT AT 0.1% OR GREATER; COMPONENTS WHICH ARE OTHERWISE HAZARDOUS ACCORDING TO OSHA ARE LISTED WHEN PRESENT AT 1.0% OR GREATER; NON-HAZARDOUS COMPONENTS ARE LISTED AT 3.0% OR GREATER. THIS IS NOT INTENDED TO BE COMPLETE COMPOSITIONAL DISCLOSURE. REFER TO SECTION 14 FOR APPLICABLE STATES RIGHT TO KNOW AND OTHER REGULATORY INFORMATION.

Product and/or Component(s) Carcinogenic According to: NONE

THIS PRODUCT IS CONSIDERED HAZARDOUS ACCORDING TO OSHA (1910.1200).

SECTION 3 : HAZARDS IDENTIFICATION

Emergency Overview:

WARNING STATEMENT:
DANGER!
EXTREMELY FLAMMABLE VAPOR.
VAPOR MAY CAUSE FLASH FIRE
VAPOR MAY CAUSE DIZZINESS AND DROWSINESS
VAPOR MAY CAUSE IRRITATION TO EYES AND RESPIRATORY TRACT

Physical State:

Solid beads (0.01 to 0.1 inches diameter)

Color: White

Odor: Slight hydrocarbon odor

Hazardous Material Information (United States):

Health: 1

Fire: 3

Reactivity: 0

National Fire Protection Association NFPA (United States):

Health: 1

Flammability: 3

Reactivity: 0

Applies to All Ingredients:

Route of Exposure:

Eye, Skin, Inhalation

Potential Health Effects:

Eye Contact:

Acute: Vapor may cause irritation, experienced as discomfort, with excess tear production and blinking, and seen as excess redness of the eye. Product may contain residual amounts of dust or small particulates which may cause eye irritation or abrasion experienced as mild discomfort and slight excess redness of the eye.

Skin Contact:

Acute: Product may contain residual amounts of dust or small particulates that may cause skin irritation or abrasion experienced as local redness with possible mild discomfort.

Inhalation:

Acute: Vapors or mist may cause irritation of the nose and throat. Inhalation may cause dizziness, drowsiness, euphoria, loss of coordination, disorientation, headache, nausea, and vomiting. In poorly ventilated areas or confined spaces, unconsciousness and asphyxiation may result. Prolonged or repeated overexposure may result in the absorption of potentially harmful amounts of material.

Dust may cause irritation of the nose and throat. Overexposure to high concentrations of dust may cause respiratory irritation, experienced as coughing and difficulty breathing.

Ingestion:

Acute: If more than several mouthfuls are swallowed, abdominal discomfort, nausea, and diarrhea may occur.

Chronic Health Effects:

Prolonged or repeated inhalation of dust or particulates may impair lung function or cause lung damage.

Sensitizer Information:

Sensitization Properties: Unknown

Aggravation of Pre-Existing Conditions:

Overexposure to vapor, dust or mist may aggravate existing respiratory conditions, such as asthma, bronchitis, and inflammatory or fibrotic respiratory disease.

Other Remarks:

None

SECTION 4 : FIRST AID MEASURES

Eye Contact:

Flush eyes with plenty of water for several minutes. Remove larger particulates from the eye as one would any foreign object. Get medical attention if eye irritation persists or particulates are difficult to remove from the eye.

Skin Contact:

Wash skin with plenty of soap and water for several minutes. Get medical attention if skin irritation develops or persists.

Inhalation:

If inhaled, remove to fresh air. If not breathing, clear person's airway and give artificial respiration. If breathing is difficult, qualified medical personnel may administer oxygen. Get medical attention immediately.

Ingestion:

If more than several mouthfuls of this material are swallowed, give two glasses of water (16 oz.). Get medical attention.

Other Instructions:

None

SECTION 5 : FIRE FIGHTING MEASURES

Flash Point:

-40 deg C (-40 deg F) for Pentane

Flash Point Method:

CC for Pentane

Upper Flammable or Explosive Limit:

7.8 for Pentane

Lower Flammable or Explosive Limit:

1.5 for Pentane

Extinguishing Media:

Recommended: Water may be ineffective on flames but should be used to cool fire-exposed containers and provide protection for persons attempting to stop the leak. Use water spray, dry chemical, foam or carbon dioxide to extinguish flames.

Fire Fighting Instructions:

Special Procedures: Water may be ineffective on flames but should be used to cool fire-exposed containers and provide protection for persons attempting to stop the leak. Use water spray, dry chemical, foam or carbon dioxide to extinguish flames.

Protective Equipment:

For Firefighters: Wear full protective clothing and positive pressure breathing apparatus.

Unusual Fire Hazards:

Danger! Extremely flammable materials may release vapors that travel long distances, ignite, and flash back. Containers may explode in a fire. Do not expose to heat, sparks, flame, static, or other sources of ignition. When handling, use non-

sparking tool, ground and bond all containers.

Explosive air-vapor mixtures may form. Fire gives off dense black smoke and acid gasses. Electrostatic discharge can be a source of ignition due to accumulated pentane vapors exceeding the L.E.L. (lower explosive limit) of 1.5% (15,000 ppm). Pentane vapors may be emitted from newly opened containers or when the product is heated. If ignited, there could be a very high rate of flame propagation.

"NO SMOKING - NO MATCHES - NO LIGHTERS - NO WELDING" rules should be enforced.

Ignition Temperature - AIT:

260 deg C (500 deg F) for Pentane

471 deg C (880 deg F) by ASTM D-1929 Expanded polystyrene

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Spill Cleanup Measures:

Procedures in Case of Accidental Release, Breakage or Leakage:

Avoid the generation of dust clouds. Place in appropriate containers for disposal or recycle. Avoid breathing dust. Pressure demand air supplied respirators should always be worn when the airborne concentration of the contaminant or oxygen is unknown. Otherwise, wear respiratory protection and other personal protective equipment as appropriate for the potential exposure hazard. Wear gloves, goggles, and protective clothing to avoid contact with eyes, skin, or clothing. Use vacuuming or sweeping compound for clean up. Do not dry sweep or use methods which increase dusting. Prevent entry into sewers and waterways.

Transportation Spills: CHEMTREC (800) 424-9300

SECTION 7 : HANDLING and STORAGE

Handling:

Use spark-proof tools. Material may be at elevated temperatures and/or pressures. Exercise care when opening bleeders and sampling ports.

Storage:

Ground and bond shipping container, transfer line, and receiving container. Keep away from heat, sparks, flame and other sources of ignition.

SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION

Ventilation System:

Use explosion-proof equipment to maintain adequate ventilation to meet occupational exposure limits, if applicable (see below), prevent accumulation of explosive air-gas mixtures, and avoid significant oxygen displacement. Oxygen levels should be at least 19.5% in confined spaces or other work areas (OSHA value).

Skin Protection Description:

Type: Workers should wash exposed skin several times daily with soap and water. Soiled work clothing should be laundered or dry-cleaned.

Eye/Face Protection:

Type: Avoid eye contact. Chemical type goggles should be worn. Do not wear contact lenses.

Respiratory Protection:

Type: Airborne concentrations should be kept to lowest levels possible. If vapor, mist or dust is generated and the occupational exposure limit of the product, or any component of the product, is exceeded, use appropriate NIOSH or MSHA approved air purifying or air supplied respirator after determining the airborne concentration of the containment. Air supplied respirators should always be worn when airborne concentration of the contaminant or oxygen content is unknown.

Exposure Limits:

Exposure Limit for the Total Product:

None established for product; refer to Section 2 for component exposure limits.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

Physical State/Appearance:

Solid, beads (0.01 to 0.1 inches diameter)

Color:

White

Odor:

Slight hydrocarbon odor

pH:

Not applicable.

Vapor Pressure:

Negligible

Vapor Density:

(Air=1): > 1

Boiling Point:

Deg C: Not applicable

Freezing Point:

Softens and expands at 93.3-101.7 deg C (200-215 deg F)

Melting Point:

Softens and expands at 93.3-101.7 deg C (200-215 deg F)

Solubility:

In Water (%): < 0.1

Specific Gravity:

(Water=1): 1.14-1.18

Volatile Organic Compound Content:

Not determined.

Viscosity:

Not applicable

Flashpoint:

-40 deg C (-40 deg F) for Pentane

Upper Flammable Explosive Limit:

7.8 for Pentane

Lower Flammable Explosive Limit:

1.5 for Pentane

Other:

None

SECTION 10 : STABILITY AND REACTIVITY

Reactivity:

This Material Reacts Violently With: Heat, Strong Oxidizers

Hazardous Polymerization:

DO NOT OCCUR

Comments:

None

Products Evolved When Subjected to Heat or Combustion:

Toxic levels of carbon monoxide, carbon dioxide, irritating aldehydes and ketones.

SECTION 11 : TOXICOLOGICAL INFORMATION

Applies to All Ingredients:

Skin Effects:

ANIMAL TOXICITY DATA:

Dermal: LD50 Believed to be > 2.00 g/kg (rabbit) practically non-toxic

Ingestion Effects:

ANIMAL TOXICITY DATA:

Oral: LD50 Believed to be > 5.00 g/kg (rat) practically non-toxic

Inhalation Effects:

ANIMAL TOXICITY DATA: Not determined.

Sensitization:

Not determined.

Irritation:

Skin: (Draize) Believed to be > .50 - 3.00/8.0 (rabbit) slightly irritating

Eyes: (Draize) Believed to be > 15.00 - 25.00/110 (rabbit) slightly irritating

Other Toxicological Information:

Product may contain dust or particulates that may cause eye irritation or abrasion.

SECTION 12 : ECOLOGICAL INFORMATION

Bioaccumulation:

Potential to Bioaccumulate: Not applicable.

Effect of Material On Aquatic Life:

Aquatic Toxicity: Not applicable.

Mobility:

Not applicable.

Persistence and Biodegradability: This product is expected to persist in the environment.

Remarks: Sewer/waterways obstruction; fish may eat beads and obstruct their digestive tract.

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal:

This material should be disposed of in accordance with local, state and federal regulations.

Remarks:

Do not allow to enter drains or sewers.

SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name:

Polymeric beads, expandable

DOT Hazard Class: 9

DOT Identification Number: UN 2211

DOT Packing Group: III

DOT Subpart E Labeling Requirement: Class 9

Canadian Shipping Name: Polymeric beads, expandable

Canadian Hazard Class: 9

Canadian UN Number: UN 2211

Maritime Transportation CGVS/GGVE/IMDG: Proper Shipping Name: Polymeric beads, expandable

CGVS/GGVE/IMDG UN or NA Identification Number: UN 2211

CGVS/GGVE/IMDG Class: 9

CGVS/GGVE/IMDG Packaging Group: III

IMDG:

Label Required: Class 9 (See Section 16 for additional information)

ICAO:

Proper Shipping Name: Polymeric beads, expandable

Hazard Class: 9

Identification Number: UN 2211

Packing Group: III

Label Required: Class 9 (See Section 16 for additional information)

TDG:

Label Required: Class 9 (per UN recommendations, black vertical stripes)

SECTION 15 : REGULATORY INFORMATION

Applies to All Ingredients:

TSCA 8(b): Inventory Status

This product, or its components, are listed on, or are exempt from the Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

CERCLA Section 103:

CERCLA 102(a)/DOT Hazardous Substances:
Chemical Name: None.

SARA:

SARA Title III:

Section 302:

Section 302 Extremely Hazardous Substances:
Chemical Name: None.

Section 304:

Section 302 Extremely Hazardous Substances:
Chemical Name: None.

Section 312 Hazard Category:

Section 311 Hazardous Categorization:

Acute: Yes

Chronic: Yes

Fire: Yes

Section 313 Toxic Release Form:

Section 313 Toxic Chemical:
Chemical Name: None.

OSHA 29 CFR 1200:

THIS PRODUCT IS CONSIDERED HAZARDOUS ACCORDING TO OSHA (1910.1200).

State:

California Prop. 65:

The following detectable components of this product are substances, or belong to classes of substances, known to the State of California to cause cancer and/or reproductive toxicity.

Chemical Name: None.

Canada WHMIS:

WHMIS Classification: Not determined.

Canadian Inventory Status:

This product, or its components, are listed on or are exempt from the European Inventory of Existing Chemical Substances (EINECS) or the European List of Notified Chemical Substances (ELINCS).

European Community Chemical Inventory Status:

EINECS Inventory Status: This product, or its components, are listed on or are exempt from the European Inventory of Existing Chemical Substances (EINECS) or the European List of Notified Chemical Substances (ELINCS).

Japan MITI:

This product, or its components, are listed on or are exempt from the Japanese Ministry of International Trade and Industry (MITI) inventory.

Australia Chemical Inventory Status:

This product, or its components, are listed on or are exempt from the Australian Inventory of Chemical Substances (AICS).

Pentane:

State:

States Right-to-Know Regulations:

Chemical Name: Pentane

States Right-to-Know: FL, MA, MN, NJ, PA, RI

State list: CT (Connecticut), FL (Florida), IL (Illinois), MI (Michigan), LA (Louisiana), MA (Massachusetts), NJ (New Jersey), PA (Pennsylvania), RI (Rhode Island)

SECTION 16 : ADDITIONAL INFORMATION

HMIS:

Health Hazard: 1

Fire Hazard: 3

Reactivity: 0

NFPA:

Fire Hazard: 3

Health: 1

Reactivity: 0

Label Hazard Warning:

European, ADR regulations require additional marking (see item 2912) "Keep Away From Any Source of Ignition." Vessel carriers request marking warning "No Smoking or Open Flame" on box doors.

MSDS Revision Date:

4/13/2000

Disclaimer:

THE INFORMATION CONTAINED HEREIN IS BELIEVED TO BE ACCURATE. IT IS PROVIDED INDEPENDENTLY OF ANY SALE OF THE PRODUCT FOR PURPOSE OF HAZARD COMMUNICATION AS PART OF DISTRIBUTOR'S PRODUCT SAFETY PROGRAM. IT IS NOT INTENDED TO CONSTITUTE PERFORMANCE INFORMATION CONCERNING THE PRODUCT. NO EXPRESS WARRANTY, OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS MADE WITH RESPECT TO THE PRODUCT OR THE INFORMATION CONTAINED HEREIN. YOU ARE ENCOURAGED AND REQUESTED TO ADVISE THOSE WHO MAY COME IN CONTACT WITH SUCH PRODUCTS OF THE INFORMATION CONTAINED

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Uline

Shipping Containers/Boxes/Cartons/Packages

Manufacturer MSDS Number: WC071-07

SECTION 1 : CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name: Shipping Containers/Boxes/Cartons/Packages

Distributor Name: Uline

Distributor Address:

2200 S. Lakeside Drive

Waukegan, IL 60085

Distributor Phone: (800) 295-5510

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

Manufacturer MSDS Creation Date: 12/10/85

Manufacturer MSDS Revision Date: 03/06/01

Synonyms:

None.

Manufacturer Product Codes:

SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Percent	
Linerboard (paper fiber/ cellulose)	9004-34-6	45-85%	

OSHA PEL TWA: 15 mg/m3 Total dust; 5 mg/m3 Respirable dust

ACGIH TLV TWA: 10 mg/m3 Total dust

Chemical Name	CAS#	Percent	
Corrugating medium (paper fiber/cellulose)	9004-34-6	15-50%	

OSHA PEL TWA: 15 mg/m3 Total dust; 5 mg/m3 Respirable dust

ACGIH TLV TWA: 10 mg/m3 Total dust

Chemical Name	CAS#	Percent	
Starch-based adhesive	None	1-3%	

OSHA PEL TWA: 15 mg/m3 Total dust; 5 mg/m3 Respirable dust

ACGIH TLV TWA: 10 mg/m3 Total dust

Chemical Name	CAS#	Percent	
Joint adhesive 1	None	0-1%	

OSHA PEL TWA: None

ACGIH TLV TWA: None

Comments:

OSHA: None

ACGIH: None

1 Involves one or none of the following: polyvinyl acetate, hot melt (polyolefin), tape, or staples.

Chemical Name	CAS#	Percent	
Water-based ink	None	< < 1%	

OSHA PEL TWA: None

ACGIH TLV TWA: None

Comments:

OSHA: None

ACGIH: None

SECTION 3 : HAZARDS IDENTIFICATION

Physical State:

Appearance: The products are boxes.

Odor: Little or no odor.

Primary Health Hazards:

The primary health hazard posed by this product is thought to be due to exposure to dust.

Applies to All Ingredients:

Route of Exposure:

Inhalation: Dust

Potential Health Effects:

Skin Absorption:

Not applicable for product in purchased form.

Chronic Health Effects:

Paper (cellulose) dust is a biologically inert dust that has little or no effect on the lungs and does not produce significant organic disease or toxic effect when allowable exposure limits are met.

Carcinogenicity:

Carcinogenicity Listing:

OSHA Designation:

Regulated: Not listed.

NTP Designation:

Not listed.

IARC Designation:

Monographs: Not listed.

Aggravation of Pre-Existing Conditions:

Cellulose dust may aggravate preexisting respiratory conditions or allergies.

SECTION 4 : FIRST AID MEASURES

Eye Contact:

Dust may mechanically irritate the eyes, resulting in redness or watering. Treat dust in eye as foreign object. Flush with water to remove dust particles. Get medical help if irritation persists.

Skin Contact:

Not applicable for product in purchased form.

Inhalation:

Excessive dust concentrations may cause unpleasant obstruction in the nasal passages. Remove to fresh air. Get medical help if persistent irritation, severe coughing or breathing difficulty occurs.

Ingestion:

Not applicable for product in purchased form.

Skin Absorption:

Not applicable for product in purchased form.

SECTION 5 : FIRE FIGHTING MEASURES

Flash Point:

Not Applicable

Flash Point Method:

Not Applicable

Upper Flammable or Explosive Limit:

Not Applicable

Lower Flammable or Explosive Limit:

See below under "Unusual Fire and Explosion Hazards"

Auto Ignition Temperature:

446 deg - 464 deg F (230 deg - 240 deg C)

Extinguishing Media:

Water.

Fire Fighting Instructions:

None.

Unusual Fire Hazards:

Depending on moisture content, particle diameter, and rate of heating, cellulose dust may explode in the presence of an ignition source. An airborne concentration of 30,000 mg/m³ is often used as the LEL for cellulose pulp.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Spill Cleanup Measures:

Not applicable for product in purchased form. Sweep or vacuum paper dust for recovery or disposal. Avoid dusty conditions and provide adequate ventilation. Minimize compressed air blowdown or other practices that generate high dust levels. Use NIOSH/MSHA approved dust respirator and goggles where ventilation is not possible and exposure limits may be exceeded.

SECTION 7 : HANDLING and STORAGE

Handling:

No special handling precautions are required.

Storage:

Keep in cool, dry place away from open flame.

Work Practices:

Not applicable for product in purchased form.

SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION

Ventilation System:

MECHANICAL (GENERAL): Provide general ventilation in processing and storage areas so that exposure limits are met.

SPECIAL: None.

Local Exhaust:

Provide local exhaust as needed so that exposure limits are met.

Other Exhaust Information:

None.

Hand Protection Description:

PROTECTIVE GLOVES: Not applicable for product in purchased form. However, cloth, canvas, or leather gloves are recommended to minimize potential mechanical irritation from handling product.

Eye/Face Protection:

Not applicable for product in purchased form. However, goggles or safety glasses are recommended if the product is used in such a way as to generate high dust levels.

Protective Clothing/Body Protection:

Not applicable for product in purchased form. Outer garments may be desirable in extremely dusty areas.

Respiratory Protection:

Not applicable for product in purchased form. A NIOSH/MSHA-approved dust respirator is recommended when allowable exposure limits may be exceeded.

WORK/HYGIENE PRACTICES:

Not applicable for product in purchased form.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

Physical State/Appearance:

The products are boxes.

Odor:

Little or no odor.

pH:

Not Applicable.

Vapor Pressure:

(mm Hg): Not Applicable.

Vapor Density:

(Air = 1; 1 atm): Not Applicable.

Boiling Point:

(@ 760 mm Hg): Not Applicable.

Melting Point:

Not Applicable.

Solubility:

In Water (% by weight): Insoluble.

Specific Gravity:

(H₂O = 1): 0.1 - 0.3

Evaporation Point:

(Butyl acetate = 1): Not Applicable.

Percent Volatile:

By Volume [@ 70 deg F (21 deg C)]: Not Applicable.

Flashpoint:

Not Applicable

Auto Ignition Temp:

446 deg - 464 deg F (230 deg - 240 deg C)

Upper Flammable Explosive Limit:

Not Applicable

Lower Flammable Explosive Limit:

See below under "Unusual Fire and Explosion Hazards"

SECTION 10 : STABILITY AND REACTIVITY

Chemical Stability:

Stable.

Conditions to Avoid:

Avoid open flame and sparks.

Incompatibilities with Other Materials:

(Materials to Avoid): Avoid contact with oxidizing agents.

Hazardous Polymerization:

Will not occur.

Hazardous Decomposition Products:

Combustion products include carbon monoxide and carbon dioxide.

SECTION 11 : TOXICOLOGICAL INFORMATION

Linerboard (paper fiber/cellulose):

Inhalation Effects:

Cellulose LC50 (rats, inhalation) = 5,800 mg/m³/4 hours.

Corrugating medium (paper fiber/cellulose):

Inhalation Effects:

Cellulose LC50 (rats, inhalation) = 5,800 mg/m³/4 hours.

Starch-based adhesive:

Other Toxicological Information:

None.

Joint adhesive 1:

Other Toxicological Information:

None.

Water-based ink:

Other Toxicological Information:

None.

Toxicological Paragraph:

None available for product in purchased form. Individual component information is listed above if available.

Source:

Registry of Toxic Effects of Chemical Substances (RTECS), National Institute for Occupational Safety and Health (provided by Canadian Centre for Occupational Health and Safety, CCINFO May 1995).

SECTION 12 : ECOLOGICAL INFORMATION

Ecological Paragraph:

No information available at this time.

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal:

If disposed of or discarded in its purchased form, incineration is preferable. Dry land disposal is acceptable in most states. It is, however, the user's responsibility to determine at the time of disposal whether your product meets EPA RCRA criteria for hazardous waste. Follow applicable federal, state, and local regulations.

SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Information:

Not regulated as a hazardous material by the U.S. Department of Transportation.

SECTION 15 : REGULATORY INFORMATION

Applies to all ingredients:

Regulatory Paragraph:

It is the user's responsibility to determine what regulatory information is relevant to the usage of this product.

SECTION 16 : ADDITIONAL INFORMATION

MSDS Preparation Date: 12/10/85

MSDS Revision Date:

03/06/01

MSDS Author:

Prepared By: Safety & Health Risk Management

Disclaimer:

User's Responsibility: The information contained in this Material Safety Data Sheet is based on the experience of occupational health and safety professionals and comes from sources believed to be accurate or otherwise technically correct. It is the user's responsibility to determine if this information is suitable for their applications and to follow safety precautions as may be necessary. The user has the responsibility to make sure that this sheet is the most up-to-date issue.

Definition of Common Terms:

ACGIH = American Conference of Governmental Industrial Hygienists

C = Ceiling Limit

CAS# = Chemical Abstracts System Number

EPA = U.S. Environmental Protection Agency

IARC = International Agency for Research on Cancer

LCLo = Lowest concentration in air resulting in death

LC50 = Concentration in air resulting in death to 50% of experimental animals

LDLo = Lowest dose resulting in death

LD50 = Administered dose resulting in death to 50% of experimental animals

MSHA = Mining Safety and Health Administration

NAP = Not Applicable

NAV = Not Available

NIOSH = National Institute for Occupational Safety and Health

NTP = National Toxicology Program

OSHA = Occupational Safety and Health Administration

PEL = Permissible Exposure Limit

RCRA = Resource Conservation and Recovery Act

STEL = Short-Term Exposure Limit (15 minutes)

TCLo = Lowest concentration in air resulting in a toxic effect

TDLo = Lowest dose resulting in a toxic effect

TLV = Threshold Limit Value
TSCA = Toxic Substance Control Act
TWA = Time-Weighted Average (8 hours)
WHMIS = Workplace Hazardous Materials Information System

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