



MSDS Table of Contents

- Armaflex 520 Adhesive
- 900 Degreaser
- Free Foam Coil Cleaner
- DeFoamer
- Fosters 40-20
- Imcoa Sheet Insulation
- Multicide
- RCD-52 Spray Adhesive
- Fiberlock IAQ 8000
- RCD #6 Mastic
- Foil Tape

MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

Name: Armaflex 520 Adhesive
Description: Solvent-dispersed synthetic rubber resin adhesive

II. DEPARTMENT OF TRANSPORTATION INFORMATION

SHIPPING NAME: Adhesive containing a flammable liquid (Hexane and Acetone)
HAZARD CLASS: 3 (flammable liquid) ID#: UN1133 PG: II (Armaflex 520 adhesive)
REPORTABLE QUANTITY (RQ): 6250 lbs.
EMERGENCY ONLY CONTACT: CHEM-TEL 1-800-255-3924

III. HMIS (0=Minimal hazard; 4=severe hazard)

Health = 2 Flammability = 3 Reactivity = 0

IV. PRODUCT CONTENT

This product contains chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372. All components are on TSCA inventory. This product does NOT contain asbestos or polychlorinated biphenyls.

V. HAZARDOUS INGREDIENTS

INGREDIENT:	CAS Number	PERCENT:	OSHA PEL	ACGIH TLV
Acetone	67-64-01	25-27%	750 ppm	500 ppm
Toluene	108-88-3	16-18%	STEL 1000 ppm 100 ppm	STEL 750 ppm 50 ppm (skin)
Hexane	110-54-3	35-37%	STEL 150 ppm 50 ppm	50 ppm (skin)
Synthetic Rubber	N/A	6-7 %	N/K	N/K
Phenolic Resin	25085-50-1	6-8%	N/K	N/K
Rubber Curing Ingredients	1309-48-4	1-2 %	N/K	N/K

VI. PHYSICAL DATA

APPEARANCE AND COLOR: Straw colored liquid with characteristic solvent odor. BOILING POINT: (°F): >152. VAPOR PRESSURE: (mm Hg @ 20°C) 180. VAPOR DENSITY: (air=1) N/K. SOLUBILITY IN WATER: Negligible. SPECIFIC GRAVITY: (water=1): 0.82. PERCENT VOLATILE BY WEIGHT (30 minutes @ 275 °F): 79.0%. EVAPORATION RATE: (butyl acetate =1): N/K. VISCOSITY 155-195 cps. pH: N/K VOC: 430 g/L calculated at 70° F, SCAQMD.

VII. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: -4°F based on acetone (CC). FLAMMABLE RANGE: LEL = 1.1, UEL = 13.0 (based on hexane and acetone). EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, alcohol-type foam. SPECIAL FIRE FIGHTING PROCEDURES: Protect fire fighters from toxic products of combustion by wearing self-contained breathing apparatus. UNUSUAL FIRE AND EXPLOSION HAZARDS: Closed containers in a fire may rupture due to pressure build up. Use water to cool containers to prevent this.

VIII. HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: Inhalation and direct dermal exposure. TARGET ORGANS: Upper respiratory tract, skin and eyes. EFFECTS OF OVEREXPOSURE: Skin and Eyes: Excessive skin contact may cause drying and cracking of skin. Contact with eyes will cause irritation. INHALATION: May cause irritation of respiratory tract, coughing and CNS effects, such as headache, dizziness, and nausea. CARCINOGENICITY: NTP: No. IARC Monographs: No. OSHA Regulated: No. MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Any condition generally aggravated by solvents; preexisting upper respiratory and lung disease such as, but not limited to, bronchitis, emphysema and asthma. FIRST AID PROCEDURES: SKIN AND EYES: Flush any skin or eye contact with plenty of water. Additionally with skin contact, wash skin thoroughly with soap and water. Refer to physician if irritation persists. INHALATION: Remove to fresh air if exposed to excess concentration of vapor. Seek medical attention if symptoms persist. INGESTION: Do not induce vomiting. Call Poison control center or physician for guidance.

IX. REACTIVITY DATA

STABILITY: Stable. INCOMPATIBILITY: Strong oxidizing agents. HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide and other toxic vapors and gases that are common to thermal degradation of organic compounds. HAZARDOUS POLYMERIZATION: Will not occur.

ARMAFLEX 520 ADHESIVE

Prepared 6/04 replaces 10/03

Made in USA for
ArmaceLL LLC
P.O. Box 1038
7600 Oakwood Street Extension
Mebane, NC 27302
(919)-304-3846

X. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Remove all sources of ignition. Ventilate area of spill or leak, if using mechanical ventilation, make sure that it is explosion proof or does not present an ignition source. For exposures above TLV, wear approved respiratory equipment. Contain spill and prevent it from entering sewer lines or waterways. Use absorbent to assist with the pick up of material. Scrape up adhesive and place in container. WASTE DISPOSAL METHOD: Dispose of container and any unused contents in accordance with federal, state and local waste disposal regulations. Do not flush unused contents or residue down drains. Do not reuse container.

XI. SAFE HANDLING AND USE INFORMATION

VENTILATION: Extremely flammable vapors may ignite explosively or cause flash fire. Use natural cross ventilation, local (mechanical) pick up or general area (mechanical) ventilation to prevent accumulation of solvent vapors, keeping in mind that the ventilation pattern must remove the heavier than air solvent vapors from the lower levels of the work spaces. The ventilation should be sufficient to keep the solvent vapor concentration below the TLV. RESPIRATORY PROTECTION: With adequate ventilation, respiratory equipment should not be needed. If adequate ventilation is not afforded, wear respiratory equipment approved for organic vapors. SKIN AND EYE PROTECTION: During the manufacture and packaging of this product, impervious gloves, eye protection and eye wash station may be appropriate. During normal end product use, cotton or loop-pile gloves and safety glasses are recommended to prevent contact with this mastic product.

XII. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in an area suitable for flammable mixtures. Recommended storage temperature is below 90°F. OTHER PRECAUTIONS: Vapors are flammable and are heavier than air. Prohibit smoking and eliminate all other sources of ignition, such as regular electric tools and appliances. Make sure that pilot lights on gas fired water heaters are extinguished. WARNING: This product contains toluene, a chemical known to the state of California to cause birth defects or other reproductive harm. WORKSITE ENVIRONMENT: Initially there may be a potential adverse impact on indoor air quality within the general work area during installation. Therefore, you should advise the building manager or other appropriate person that; it will be necessary to establish and maintain adequate ventilation of the work area, without causing the entry of contaminants to other parts of the building. Persons who are sensitive to odors and/or chemicals should avoid the work area during this process.

The information presented herein is supplied as a guide to those who handle or use this product. Safe work practices must be employed when working with any materials. It is important that the end user makes a determination regarding the adequacy of the safety procedures employed during the use of this product.

PWS

USE INSTRUCTIONS:

Spray on, let sit 1-2 minutes, then rinse. No brushing necessary.

USE INSTRUCTIONS:

- General Cleaning 1:75 to 1:100
- Truck Wash 1:30 to 1:50
- Bus Wash 1:50 to 1:75
- Tires 1:15
- Steam Cleaning 1:75
- Degreasing 1:15
- Drive Thru Arch (HP) 1:75
- Drive Thru (Brush) 1:100 to 1:150

FOR INFORMATION AND OPTIMUM RESULTS, PLEASE CONTACT YOUR PRESSURE WASHER SERVICE REPRESENTATIVE.

KEEP OUT OF REACH OF CHILDREN

CAUTION:
Contains Sodium Hydroxide.
Harmful if swallowed.
Protect eyes and mucous membrane from contact with this product.

May cause irritation.
Avoid prolonged contact with skin.

May cause headache, dizziness, nausea, vomiting and malaise.

900 DEGREASER

(Biodegradable)

Sodium Hydroxide
Caustic Alkali Liquid, n.o.s.
HC: 8/ UN: 1719/ PG: II
CORROSIVE

Pressure Washer Service,
Inc.
Clearwater, FL
(727) 562-5488
(800) 519-9279



MATERIAL SAFETY DATA SHEET

FREE FOAM

SECTION I-IDENTIFICATION

CATALOG #: SCM-702

MANUFACTURED By: Specialty Chemical Manufacturing, Inc

ADDRESS: 115 W Clark Street
Quincy, Fl 32351

EMERGENCY Phone No. 800-255-3924 Chem-Tel (Chemical Emergencies Only)

PHONE NUMBER FOR INFORMATION: 850-875-1716 Fax: 850-627-2699

DATE REVISED: 7/9/2003

NAME OF PREPARER: ANTHONY E. JERNIGAN

HMIS DATA

HEALTH 2
FIRE 0
REACTIVITY 1

1=SLIGHT
2=MODERATE
3=HIGH
4=EXTREME

SECTION II HAZARDOUS INGREDIENTS INFORMATION

INGREDIENT	CAS NO	OSHA PEL	ACIGH TLV	Hazard
Potassium hydroxide	1310-58-3	2 PPM	2 PPM	Corrosive

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: >110°C Specific gravity (H₂O = 1): 1.09
Vapor pressure (mm Hg): 17.5 @20°C Melting Point (Pour Point): <0°C
Vapor Density (Air = 1): Same as water Evaporation Rate (Water = 1): 1
Solubility in water: Water miscible pH @ 10%: <13.5
Appearance and odor: Clear blue liquid with a slight detergent odor.

SECTION IV- FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): None

Flammable Limits: None

Extinguishing media: Not applicable

Special Fire Fighting Procedures: Keep containers cooled with a water spray if involved in a fire. This material is alkaline. Use full protective equipment if this material is encountered during a fire.

Unusual Fire and Explosion Hazards: None suggested.

SECTION V – REACTIVITY DATA

Stability-Stable

Conditions to avoid: None

Incompatibility (Materials to avoid): Strong oxidizers, strong acids, prolonged contact with nonferrous metals (particularly aluminum).

Hazardous Decomposition or Byproducts: May evolve carbon monoxide, carbon dioxide, and other unidentified fragments if this product is involved in a fire. Reaction with aluminum releases hydrogen gas.

Hazardous Polymerization: Will not occur.

FREE FOAM MSDS

SECTION VI- HEALTH HAZARD DATA

Routes of Entry: Inhalation: yes (mists) Skin: yes Ingestion: yes Eyes: yes

Health Hazards (acute and chronic): This product is corrosive to skin eye, respiratory and digestive tissues.
Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

Signs and symptoms of exposure:

Inhalation: If sprayed or misted may cause chemical pneumonia. This product is mildly corrosive to respiratory organs.

Skin: Irritating and corrosive on prolonged contact; may cause dermatitis or drying of skin, burning and permanent skin damage.

Ingestion: **Do not take internally.** Corrosive if ingested. May cause burning, nausea or vomiting.

Eyes: May cause irritation, burning, permanent eye damage or blindness on contact.

Medical Conditions Aggravated by Exposure: Contact with this product can exacerbate existing skin eye and breathing disorders.

Emergency and First Aid Procedures:

Eyes: Flush with water for 15 minutes while lifting the eyelids to irrigate the area behind the lid. Consult a physician if immediately after administering first aid!

Skin: Remove contaminated clothing. Wash the affected area with soap and water. Launder or dry clean clothes before reuse. Discard contaminated leather articles. If burning or irritation develops or persists, get medical attention.

Inhalation: Evacuate to a safe area with plenty of fresh air. Allow the affected individual to rest in a well ventilated area. If irritation persists, seek medical aid immediately.

Ingestion: **DO NOT** induce vomiting. Drink 3-4 glasses of water and contact the nearest poison control center. If vomiting occurs, keep the head lower than the hips to prevent aspiration

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND STORAGE

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED:

Wear recommended protective clothing. Remove contaminated garments promptly. Remove unnecessary personnel from the area. Floors may be slippery; use care to avoid falling. Dike the spill immediately with appropriate materials to prevent the spread of liquid. Absorb the liquid with an inert absorbent such as sand, dirt, vermiculite or "oil-dri", or use commercial absorbent pads. Transfer liquids and solid diking material to suitable containers, and dispose of in accordance with local, state, and federal regulations.

DO NOT contaminate municipal sewers or other open bodies of water with runoff.

WASTE DISPOSAL METHODS: Incinerate this material and all associated wastes, or bury in an approved landfill in accordance with governmental regulations. If these disposal options are not available, consult a hazardous waste contractor for proper disposal.

HANDLING AND STORAGE:

Avoid contact with skin and eyes. Keep containers closed when not in use. Store in a dry, cool, well-ventilated area. Avoid freezing temperatures during storage or use.

Empty containers may retain residue. All containers should be disposed of in an environmentally safe manner, and in accordance with all governmental regulations.

Keep this and all chemicals out of the reach of children. Wear the recommended safety equipment when handling or using this product.

FREE FOAM MSDS

SECTION VIII – CONTROL MEASURES

Respiratory Protection: Use in a well-ventilated area. If mist is being generated and exceeds the TLV, use an air purifying respirator with a dust/mist filter, and follow a respiratory program meeting OSHA 1910.134 and ANSI Z88.2 requirements.

Ventilation: Local exhaust is recommended when used in enclosed areas.

Protective Gloves: Neoprene or other materials may be used if there is documented evidence of compatibility. Use as necessary to prevent skin contact.

Eye protection: Wear safety glasses (ANSI Z87.1) or approved equivalent, or chemical splash goggles as necessary to minimize eye contact hazards.

Other Protective Clothing: Neoprene aprons, overshoes, oversleeves or other impervious clothing as necessary to minimize exposure.

Work Hygienic Practices: Use proper industrial hygiene practices to minimize hazardous exposure. Wash hands after handling this material, and before eating or smoking.

SECTION IX – ADDITIONAL INFORMATION

Transportation Information:

DOT HAZARD LABEL: Corrosive

DOT DESCRIPTION: Corrosive liquid, Basic, Inorganic, NOS (Contains potassium hydroxide), Class 8, UN3266, PGII

TSCA: All ingredients are TSCA approved.

SARA TITLE III Reporting Requirements:

Section 302: EHS reporting not required

Section 304: Hazardous releases reporting not required

Section 311: Community Right To Know reporting is required if the inventory is above the Threshold Planning Quantity.

Section 312: R-T-K Inventory data reporting is not required.

Section 313: Emissions and release reporting may be required for users of this product within the manufacturing sector. This does not apply to service companies.

MATERIAL SAFETY DATA SHEET

MSDS Number 343290CB

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: CB D-FOAM - EPA REGISTRATION # 9444-227

Manufactured by: Waterbury Companies, Inc.
P.O. Box 640
Independence, LA 7044324-Hour Emergency Contact:
800-424-9300 or 703-527-3887
(CHEMTREC)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components greater than 1.0% (0.1% if carcinogen or suspected carcinogen)

Component	CAS#	OSHA PEL	ACGIH TLV	Other Limits	% by wt.
Deltamethrin (S)-alpha-cyano-3-phenoxybenzyl-(1R,3R)-3-(2-2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylic acid*	52918-63-5	N.E.	N.E.	STEL 100 ug/m3	0.06
Non-hazardous components	N/A	N/A	N/A	N/A	85-100

* This item is NOT a carcinogen, but has been listed to aid in the identification of all pesticide active ingredients in the product. Actual percentages for these active ingredients have been listed vs. percent ranges.

3. HAZARDS IDENTIFICATION

Contents under pressure, do not expose to fire or extreme heat.

Do not contaminate food or feed. Do not apply directly to food. Do not apply to classrooms when in use. Do not apply this product in occupied patient rooms or in any rooms while occupied by the elderly or infirm.

Potential Health Effects:

Routes of Entry: Inhalation: Yes Ingestion: Yes Skin: Yes

Health Hazards: Harmful if swallowed or absorbed through the skin. Avoid contact with skin, eyes, or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

Signs/symptoms of overexposure: Dizziness, headaches, drowsiness, incoordination, eye irritation, dermatitis, skin disorders, nausea, throat irritation, loss of consciousness, and other nervous system disorders. Prolonged skin contact may cause mild to moderate local redness and swelling.

Medical conditions aggravated by exposure: Skin contact may aggravate an existing dermatitis. Persons with a pre-existing disease of the central nervous, cardiovascular, or respiratory system may have increased susceptibility to the toxicity of excessive exposures. Persons with history of asthma, emphysema, and other respiratory tract disorders may experience symptoms at low exposures.

NFPA Hazard Ratings Fire: 1 Health: 1 Reactivity: 1

NFPA 704 Ratings are subject to interpretation and are only intended for general identification of the level of the specific hazard. All information must be considered for proper safe handling of the material.

4. FIRST AID MEASURES

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth to mouth, if possible. Call a poison control center or doctor for further treatment advice. IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. IF SWALLOWED: Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to an unconscious person. Do not give anything by mouth to an unconscious person. HOT LINE NUMBER: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency information, call 985-878-6751, Monday through Friday 8:00AM to 4:30PM CST. After 4:30PM call your poison control center. For product information call 203-597-1812 Monday through Friday, 8:00AM to 5:00PM EST. NOTE TO PHYSICIAN: Contains petroleum distillate - vomiting may cause aspiration pneumonia.

5. FIRE FIGHTING MEASURES

Extinguishing Media: CO2, dry chemical, or foam

Fire Fighting Procedures: Self contained air supply suggested. Keep containers cool to avoid bursting.

Unusual Fire and Explosion Hazards: Exposure to temperatures above 130 deg.F may cause bursting.

6. ACCIDENTAL RELEASE MEASURES

Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Absorb with appropriate absorbent such as sand or vermiculite. Clean spill area of residues and absorbent.

7. HANDLING AND STORAGE

Store in a cool, dry area away from heat or open flame. Do not contaminate water, food, or feed by storage or disposal.

NFPA 30B Aerosol Classification: Level 1 Aerosol

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective Gloves: Not required - avoid contact with skin.

MATERIAL SAFETY DATA SHEET

MSDS Number 343290CB

Eye Protection: Not required - avoid contact with eyes.

Respiratory Protection: Recommended in confined space.

Ventilation: *Local:* As required to keep airborne concentrations below acceptable limits.

Mechanical: Not required.

Other protective equipment: Safety glasses recommended to avoid possible contact with eyes.

Protective Work/Hygiene Practices: Follow label instructions.

9. PHYSICAL AND CHEMICAL PROPERTIES

Specific Gravity (H₂O=1): 1.093

Flashpoint: Non Flammable per flame projection test.

LEL: N/A

Vapor Pressure (mm Hg): N.E.

Boiling Point: N.E.

Melting Point: N/A

UEL: N/A

Solubility: Insoluble

Appearance/Odor: Clear colorless liquid

10. STABILITY AND REACTIVITY

Conditions to Avoid: Open flames and very hot surfaces may cause thermal decomposition.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition By-products: Ambient temperatures, unlikely; in a fire, toxic oxides of Nitrogen and Carbon.

Hazardous Polymerization Conditions: None known.

11. TOXICOLOGICAL INFORMATION

This product contains no chemicals that are listed on the NTP, IARC, or OSHA carcinogen lists. Any further information on the toxicology of the material can be obtained by contacting the manufacturer.

12. ECOLOGICAL INFORMATION

Please call the manufacturer for questions concerning the ecological effects of this product and its constituents.

13. DISPOSAL CONSIDERATIONS

Do not puncture or incinerate! IF EMPTY: Place in trash or offer for recycling if available. IF PARTLY FILLED: Call your local waste agency or 1-800-CLEANUP for disposal instructions.

14. TRANSPORT INFORMATION

	<u>Status</u>	<u>Shipping Name</u>	<u>Class</u>	<u>ID Numbe</u>	<u>Pack Grp</u>
DOT (USA):	Regulated	Consumer Commodity (per 49CFR173.150)	ORM-D	N/A	N/A
IATA (Air):	Regulated	Consumer Commodity	9	ID8000	N/A
IMDG (Vessel):	Regulated	Flammable liquid, n.o.s.	3	UN1993	III
National Motor Freight Classification and LTL Class:	N/A				

15. REGULATORY INFORMATION

SARA Title III Section 312: When completing Tier II reports, the following information should be used.

Note: See state and local regulations for specifics on reporting requirements for your facility.

This product should be described as: PURE: N MIXTURE: Y SOLID: N LIQUID: Y GAS: Y

Physical Hazards: FIRE: Y PRESSURE: Y REACTIVITY: N **Health Hazards:** IMMEDIATE: Y DELAYED: Y

16. OTHER INFORMATION

Product Sales Information: 800-845-3495

MSDS Information: 985-878-6751

Revision Notes: INITIAL PRINTING OF MSDS

N/A = Not Applicable N.E. = Not Established

MSDS Prepared by NT

This information is provided in good faith, but no warranty, expressed or implied, is made. The manufacturer believes that it is accurate and to the best of its knowledge, and relates only to the specific material designated herein.

MATERIAL SAFETY DATA SHEET

REVISION DATE: 12-29-2006

SUPERSEDES: 06-30-2006

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

COMPANY INFORMATION

Specialty Construction Brands, Inc.
(formerly Foster Products Corporation
an H.B. Fuller Company Subsidiary)
315 South Hicks Road
Palatine, IL 60067
Phone: 847-358-9500

Medical Emergency Phone Number (24 Hours): 1-888-853-1758

Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

PRODUCT INFORMATION

PRODUCT IDENTIFIER: 802314PM
PRODUCT NUMBER: FD4020
PRODUCT DESCRIPTION: Coating

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Unlisted ingredients are not 'hazardous' per the Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.1200) and/or are not found on the Canadian Workplace Hazardous Materials Information System ingredient disclosure list. See Section 8 for any additional exposure limit guidelines.

Chemical Name	CAS #	PERCENT	OSHA PEL
Aluminum hydroxide	21645-51-2	10 - 30	TWA (as Al) Soluble 2 MG/M3
Barium compound	13701-59-2	5 - 10	TWA (as Ba) Soluble 0.5 MG/M3
Calcium carbonate	471-34-1	5 - 10	TWA (Respirable dust) 5 MG/M3 TWA (Total dust) 15 MG/M3
Titanium dioxide	13463-67-7	5 - 10	TWA (Total dust) 10 MG/M3
Zinc oxide	1314-13-2	1 - 5	TWA (Respirable dust) 5 MG/M3 TWA (Total dust) 10 MG/M3 TWA Fume 5 MG/M3 STEL Fume 10 MG/M3
Amorphous silica	7631-86-9	1 - 5	TWA 6 MG/M3
Oil, petroleum		1 - 5	TWA * Mist 5 MG/M3

*These exposure limits are for mineral oil mist, a related material.

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

MATERIAL SAFETY DATA SHEET

HMIS RATING: HEALTH -- 0 FLAMMABILITY -- 0 REACTIVITY -- 0

See SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for personal protective equipment recommendations.

POTENTIAL HEALTH EFFECTS BY ROUTE OF ENTRY

EYE: Can cause minor irritation, tearing and reddening.

SKIN: Can cause minor skin irritation, defatting, and dermatitis.

INHALATION: Can cause minor respiratory irritation. Inhalation of dusts produced during cutting, grinding or sanding of this product may cause irritation of the respiratory tract.

Overexposure to barium dust/fume may cause baritosis. This product contains one or more materials that may be hazardous when present as an airborne dust. During normal handling of the product, the material is encapsulated within the product and will not present an exposure risk. Once the product has reached its final state and is abraded or disturbed, dusting and exposure may occur.

INGESTION: Ingestion is not an anticipated route of exposure. No hazard in normal industrial use.

LONG-TERM (CHRONIC) HEALTH EFFECTS

TARGET ORGAN(S): Lungs

REGULATED CARCINOGEN STATUS:

Unless noted below, this product does not contain regulated levels of NTP, IARC, ACGIH, or OSHA listed carcinogens.

Titanium dioxide

EXISTING HEALTH CONDITIONS AFFECTED BY EXPOSURE: Lung disease

SECTION 4: FIRST AID MEASURES

IF IN EYES: Use an eye wash to remove a chemical from your eye regardless of the level of hazard. Flush the affected eye for at least twenty minutes. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Seek medical advice after flushing.

IF ON SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

IF VAPORS INHALED: Remove to fresh air. Call a physician if symptoms persist.

IF SWALLOWED: Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this MSDS. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT:	Non flammable
AUTOIGNITION TEMPERATURE:	Not established
LOWER EXPLOSIVE LIMIT (% in air):	Not established
UPPER EXPLOSIVE LIMIT (% in air):	Not established
EXTINGUISHING MEDIA:	Use water spray, foam, dry chemical or carbon dioxide.

MATERIAL SAFETY DATA SHEET

UNUSUAL FIRE AND EXPLOSION HAZARDS: There is a possibility of pressure buildup in closed containers when heated. Water spray may be used to cool the containers.
SPECIAL FIRE FIGHTING INSTRUCTIONS: Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.
HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, Carbon monoxide Metal fumes Silicon dioxide

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPECIAL PROTECTION: No adverse health effects expected from the clean-up of spilled material. Follow personal protective equipment recommendations found in Section 8 of this MSDS.
CLEAN-UP: Dike if necessary, contain spill with inert absorbent and transfer to containers for disposal. Keep spilled product out of sewers, watersheds, or water systems.

Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

SECTION 7: HANDLING AND STORAGE

Handling: No special handling instructions due to toxicity.

Storage: Store in a cool, dry place.

Consult the Technical Data Sheet for specific storage instructions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION: Wear safety glasses when handling this product.
SKIN PROTECTION: Avoid skin contact by wearing chemically resistant gloves.
GLOVES: Not normally required. Use nitrile gloves if conditions warrant.
RESPIRATORY PROTECTION: Respiratory protection may be required to avoid overexposure when handling this product. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms. Respirators should be selected by and used following requirements found in OSHA's respirator standard (29 CFR 1910.134).
VENTILATION: Use local exhaust ventilation or other engineering controls to minimize exposures.

EXPOSURE LIMITS:

Chemical Name	ACGIH EXPOSURE LIMITS	AIHA WEEL
Aluminum hydroxide	TWA (as Al) Soluble 2 MG/M3	Not established
Barium compound	TWA (as Ba) Soluble 0.5 MG/M3	Not established
Calcium carbonate	TWA 10 MG/M3	Not established
Titanium dioxide	TWA 10 MG/M3	Not established
Zinc oxide	TWA (Respirable dust) 2 MG/M3	Not established

MATERIAL SAFETY DATA SHEET

	STEL (Respirable dust) 10 MG/M3	
Amorphous silica	TWA (Respirable dust) 3 MG/M3 TWA (Total dust) 10 MG/M3	Not established
Oil, petroleum	TWA * Mist 5 MG/M3	Not established

*These exposure limits are for mineral oil mist, a related material.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
COLOR:	White
ODOR:	Sweet Mild
ODOR THRESHOLD:	Not established
WEIGHT PER GALLON (lbs.):	11.9
SPECIFIC GRAVITY:	1.43
SOLIDS (% by weight):	67.2
pH:	Not established
BOILING POINT (deg. C):	Not established
FREEZING/MELTING POINT (deg. C):	Not established
VAPOR PRESSURE (mm Hg):	Not established
VAPOR DENSITY:	Not established
EVAPORATION RATE:	Not established
OCTANOL/WATER COEFFICIENT:	Not established

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Stable under normal conditions.
CHEMICAL INCOMPATIBILITY:	Not established
HAZARDOUS POLYMERIZATION:	Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon monoxide, carbon dioxide Metal fumes Silicon dioxide

SECTION 11: TOXICOLOGICAL INFORMATION

CHEMICAL NAME	LD50/LC50
Aluminum hydroxide	Not established
Barium compound	Not established
Calcium carbonate	Oral LD50 Rat = 6450 mg/kg
Titanium dioxide	Not established
Zinc oxide	Oral LD50 Mouse > 950 mg/kg Inhalation LC50 Mouse = 2500 mg/cu m (no duration specified)
Amorphous silica	Oral LD50 Rat > 22 g/kg

MATERIAL SAFETY DATA SHEET

Oil, petroleum	Not established
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TOXICOLOGY SUMMARY: Toxicity studies were conducted on this product in conjunction with registration under the Federal Insecticide Fungicide and Rodenticide Act (FIFRA). These studies revealed an acute oral LD50 of >4000 mg/kg. No mortality was produced in skin studies at 2000 mg/kg. No mortality was produced in inhalation studies at 5.15 mg/L. No notable eye or skin irritation occurred. No dermal sensitization occurred.

SECTION 12: ECOLOGICAL INFORMATION

OVERVIEW: No ecological information available

SECTION 13: DISPOSAL CONSIDERATIONS

To the best of our knowledge, this product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. Solidify and dispose of in an approved landfill. Consult state, local or provincial authorities for more restrictive requirements.

SECTION 14: TRANSPORTATION INFORMATION

Consult Bill of Lading for transportation information.

DOT: NOT REGULATED ,,,

IATA: NOT REGULATED

SECTION 15: REGULATORY INFORMATION

INVENTORY STATUS

U.S. EPA TSCA: This product is in compliance with the Toxic Substances Control Act's Inventory requirements.

If you need more information about the inventory status of this product call 651-236-5858.

This product may contain chemical substances that are regulated for export by various government agencies (such as the Environmental Protection Agency, the Bureau of Industry and Security, or the Drug Enforcement Administration, among others). Before exporting this product from the USA or Canada, we recommend you contact us at 651-236-5858 (USA) or 450-655-1306 x227 (Canada) to request an export review.

FEDERAL REPORTING

EPA SARA Title III Section 313

Unless listed below, this product does not contain toxic chemical(s) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR part 372. EPA has advised that when a percentage range is listed the midpoint may be used to fulfill reporting obligations.

Chemical Name	CAS#	%
Barium compounds	13701-59-2	5 - 10
Zinc compounds	1314-13-2	1 - 5

WHMIS STATUS: Unless listed below, this product is not controlled under the Canadian Workplace Hazardous Materials Information System.

D2A

MATERIAL SAFETY DATA SHEET

STATE REPORTING

This MSDS is not prepared for distribution in California.

SECTION 16: ADDITIONAL INFORMATION

This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS).

Prepared by: The Global Regulatory Department

Phone: 651-236-5842

The information and recommendations set forth herein are believed to be accurate. Because some of the information is derived from information provided to Specialty Construction Brands, Inc. from its suppliers, and because Specialty Construction Brands, Inc. has no control over the conditions of handling and use, Specialty Construction Brands, Inc. makes no warranty, expressed or implied, regarding the accuracy of the data or the results to be obtained from the use thereof. The information is supplied solely for your information and consideration, and Specialty Construction Brands, Inc. assumes no responsibility for use or reliance thereon. It is the responsibility of the user of Specialty Construction Brands, Inc. products to comply with all applicable federal, state and local laws and regulations.

IMCOSHEET™ / ARCTICTHERM™



Sheet Insulation
Flexible Closed Cell Insulation



DESCRIPTION

IMCOA® sheet insulation is a flexible, polyolefin, thermal insulation. It is available in black (IMCOSHEET™) or white (ARCTICTHERM™) and in sheet and roll form. Standard sheet size is 36" x 48" in thicknesses of 3/8" thru 2-1/2". Standard roll width is 48" available in the same thickness.

APPLICATIONS

IMCOSHEET™ and ARCTICTHERM™ Insulation is used to retard heat flow and provide condensation control on large diameter piping, tanks, vessels and equipment.

IMCOSHEET™ and ARCTICTHERM™ Insulation have a low thermal conductivity and very low water vapor transmission rate. This low density product demonstrates excellent thermal, physical and chemical resistant properties and has a broad service temperature range between -160°F and 200°F (-105°C and 92°C). It can be installed in commercial, industrial and residential insulation projects.

INSTALLATION

When IMCOSHEET™ or ARCTICTHERM™ Insulation is applied to equipment, use 100% coverage of 320 or 620 Contact Adhesive or other approved adhesive system. Since it is a contact adhesive, both surfaces to be joined should be coated and then joined after adhesive is dry to the touch. Compression joints with adhesive applied should be used on all butt edges. Refer to Installation Guidelines for specific instructions.

OUTDOOR APPLICATIONS

IMCOLOCK / ARCTICTHERM™ insulation is made from UV resistant polyolefin resins. For moderate UV exposure, no additional protection is needed. However, for severe UV exposure (rooftop applications) or where optimum performance is required, the product must be protected from the elements. Various jacketing or cladding materials are recommended, i.e. PVC, CPVC, AL, etc. If coatings are going to be used, please refer to technical bulletin for recommended coatings.

RESISTANCE TO MOISTURE VAPOR FLOW

The closed-cell structure of IMCOSHEET™ and ARCTICTHERM™ Insulation effectively retards the flow of moisture vapor and is considered a low transmittance vapor retarder. For most applications, IMCOSHEET™ and ARCTICTHERM™ Insulation needs no additional protection.

Additional vapor barrier protection may be necessary for IMCOSHEET™ and ARCTICTHERM™ Insulation when installed on low temperature surfaces that are exposed to continuous high humidity.

FLAME AND SMOKE RATING

IMCOSHEET™ and ARCTICTHERM™ Insulation in wall thicknesses of 1" (25 mm) and below has a flame spread rating of 25 or less and a smoke development rating of 50 or less as tested by ASTM E 84 Method of Testing entitled: "Surface Burning Characteristics of Building Materials."

Numerical flammability ratings alone may not define the performance of products under actual fire conditions. They are provided only for use in the selection of products to meet limits specified, when compared to a known standard.

SPECIFICATION COMPLIANCE

- ASTM C-1427, Type 2, Grade 1
- New York City MEA 305-92-M Vol. IV
- USDA Requirements
- ASTM E 84 1" 25/50-tested according to UL 723 & NFPA 255
- Complies with requirements of CAN/ULC S102.2-M88
- CFC/HCFC Free
- Low VOCs
- Halogen Free
- Non-porous
- Fiber Free
- Resistant to mold growth



TECHNICAL DATA

Physical Properties		IMCOSHEET™/ARCTICTHERM™ Insulation	Test Methods
Thermal Conductivity (K)	90°F (32°C) Mean Temp	.255 (.037)	ASTM C 177
BTU -in/hr - Ft² - °F (W/mK)	75°F (24°C) Mean Temp	.250 (.036)	ASTM C 177
	50°F (10°C) Mean Temp	.245 (.035)	ASTM C 177
Operating Temperature Range	Upper	200°F (92°C)	
Flexible to -100°F (-73°C)	Lower	-160°F (-105°C)	
Water Vapor Permeability Dry Cup Perm-In		0.0	ASTM E 96
Ozone Resistance		Pass	ASTM D 1171
Chemical/Solvent Resistance		Good	
Mildew Resistance/Air Erosion		Pass	UL 181

Sound Absorption Co-efficients at Frequency							
ASTM E-795 Type A Mounting/Sabins/Sq. Ft.							
Thickness	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	NRC
1/4"	0.00	0.03	0.05	0.10	0.25	0.45	0.10
1/2" (12mm)	0.03	0.04	0.08	0.15	0.40	0.25	0.20
1" (25mm)	0.10	0.15	0.45	0.30	0.40	0.33	0.35

Thickness Recommendations* - To Control Condensation								
Sheet Size	Tanks - Vessels - Equipment - Metal - Surface Temperature							
	50°F	10°C	35°F	2°C	0°F	-18°C	-20°F	-29°C
Normal Conditions (Max 85°F, 29°C - 70% R.H.)	1/2"	13 mm	3/4"	19 mm	1-1/4"	32 mm**	1-1/2"	38 mm*
Mild Conditions (Max 80°F, 26°C - 50% R.H.)	3/8"	10 mm	1/2"	13 mm	3/4"	19 mm	3/4"	19 mm
Severe Conditions (Max 90°F, 32°C - 80% RH)	3/4"	19 mm	1"	25 mm	1-1/2"	38 mm**	2"	50 mm*

** Multiple Layers

*IMCOSHEET™/ARCTICTHERM™ Insulation in thickness noted within the specified temperature ranges will prevent condensation on indoor piping under design conditions defined below.

Normal: Maximum severity of indoor conditions seldom exceed 85°F (29°C) and 70% R.H. in United States.

Mild: Typical conditions are most air-conditioned spaces and arid climates.

Severe: Generally found in areas where excessive moisture is introduced or in poorly ventilated areas where the temperature may be depressed below the ambient.

Under conditions of high humidity, additional thickness of insulation may be required.

IMCOSHEET™/ARCTICTHERM™ "R" Values per square foot			
R Value 3/8" (10 mm) Wall	R Value 1/2" (13 mm) Wall	R Value 3/4" (19 mm) Wall	R Value 1" (25 mm) Wall
1.5	2.0	3.0	4.0

Note: "R" factors were calculated using a K factor of .250 (75° F, 24° C mean temp.) and nominal wall thickness is each case. Lower operating temperatures will result in improved R values. Contact Technical Services for specific recommendations.



Material Safety Data Sheet

Revision Date: 03/06/2006

Page 1 of 2

Section I: Product and Company Information

Emergency Contact: Chem*Tel (800) 255-3924

Product Name: **MULTICIDE**

Code: **0381**

Shipping Description: DISINFECTANT, LIQUID, CORROSIVE, N.O.S.

Sold by: Theochem Laboratories Inc
7373 Rowlett Park Drive
Tampa, FL 33610-1141

(Contains Quaternary Ammonium Compounds)
8, UN1903, PG III

NFPA Ratings:

Health: 1 - Slight
Fire: 0 - Minimal
Reactivity: 0 - Minimal

HMIS Ratings:

Health: 1 - Slight
Fire: 0 - Minimal
Reactivity: 0 - Minimal

Section II: Hazardous Ingredients

Name	CAS #	% By Weight	OSHA PEL	ACGIH TLV	Other Limits
QUATERNARY AMMONIUM COMPOUND	68424-85-1	< 10%	N/E	N/E	N/A

**Indicates hazardous ingredients which are toxic chemicals subject to the reporting requirements of section 3013 of the emergency planning and community right-to-know act of 1986 and of 40 CFR 32*

Section III: Physical/Chemical Characteristics

Boiling Point:	212° F	Specific Gravity (Water = 1):	0.99
Vapor Pressure (mm.HG):	SAME AS WATER	Melting Point:	N/A
Vapor Density (Air = 1):	SAME AS WATER	Evaporation Rate (BuAc = 1):	SLOWER
Solubility In Water:	COMPLETE	pH of Concentrate:	7.0 ± 0.3
Appearance and Odor:	CLEAR, COLORLESS, DETERGENT ODOR		

Section IV: Fire and Explosion Hazard Data

Flash Point (method used):	NONE	Flammable Limits:	NONE
LEL:	N/A	UEL:	N/A
Extinguishing Media:	NONE		
Special Firefighting Procedures:	NONE		
Unusual Fire & Explosion Hazards:	ON THERMAL DECOMPOSITION, RESIDUES OF PRODUCT WILL PRODUCE OXIDES OF CARBON & NITROGEN & HYDROGEN CHLORIDE		

Section V: Reactivity Data

Product Is:	STABLE
Conditions To Avoid:	N/A
Incompatibility (materials to avoid):	STRONG OXIDIZERS
Hazardous Decomposition or Byproducts:	OXIDES OF CARBON & NITROGEN, HYDROGEN CHLORIDE ON THERMAL DECOMPOSITION.
Hazardous Polymerization:	WILL NOT OCCUR

Section VI: Health Hazard Data**Route(s) Of Entry:**

Inhalation: UNLIKELY
 Skin: NO
 Ingestion: UNLIKELY
 Health Hazards (Acute & Chronic): CAUSES SKIN & EYE IRRITATION. HARMFUL OR FATAL IF SWALLOWED.
 Carcinogenicity: NTP: NO
 ARC Monographs: NO
 OSHA Regulated: NO
 Signs & Symptoms Of Exposure: SKIN AND EYE IRRITATION
 Medical Conditions Generally Aggravated by Exposure: NONE KNOWN

Emergency and First Aid Procedures**Skin Contact:**

FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MIN., REMOVE CONTAMINATED CLOTHING-LAUNDRER BEFORE RE-WEARING.

Eye Contact:

IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. SEEK MEDICAL ATTENTION.

Ingestion:

DRINK A LARGE QUANTITY OF MILK, EGG WHITES, GELITIN SOLUTION OR IF UNAVAILABLE, WATER. SEEK IMMEDIATE MEDICAL ATTENTION.

Inhalation:**Section VII: Precautions For Safe Handling And Use****Spill Steps:**

LARGE SPILLS SHOULD BE DIKED TO PREVENT SPREADING OR RUNOFF INTO BODIES OF WATER. PUMP LIQUID TO DRUMS. SMALL SPILLS CAN BE ABSORBED WITH OIL DRI AND SHOLVED INTO DRUMS.

Waste Disposal Method:

INCINERATE LIQUID & DISPOSE OF ABSORBENT IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS

Storage & Handling:

STORE IN A COOL, DRY AREA. KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF REACH OF CHILDREN.

Section VIII: Control Measures

Respiratory Protection: NOT REQUIRED FOR NORMAL PRODUCT USE
 Ventilation: Local Exhaust: ADEQUATE
 Special: N/A
 Mechanical: N/A
 Other: N/A
 Protective Gloves: RUBBER OR NEOPRENE
 Eye Protection: GOGGLES
 Other Protective Equip/clothing: IMPERVIOUS BOOTS & CLOTHING AS REQUIRED TO PREVENT PHYSICAL CONTACT.
 Work/hygienic Practices: KEEP CONTAINER CLOSED WHEN NOT IN USE. WASH HANDS AFTER USE.

We believe the information given is accurate. It is offered in good faith, but without guarantee. Since conditions are beyond our control, user assumes all responsibility and risk.

October 12, 2007

MATERIAL SAFETY DATA SHEET

RCD Corporation
2850 Dillard Road
Eustis, FL 32726

Emergency: 800-535-5053

Information: 352-589-0099

A. IDENTIFICATION

Product Name: RCD Corporation® #52 Spray Adhesive

CAS No.: N/A

Chemical Name: Mixture packaged in pressurized aerosol spray can.

Appearance and Odor: Clear amber liquid with solvent odor.

B. COMPONENTS AND HAZARDOUS INGREDIENTS

Components	CAS NO.	OSHA PEL	ACGIH TLV	Other Limits
2-Propanone	67-64-1	1,000 ppm	500 ppm	750 ppm (STEL)
Liquefied Petroleum Gas	68476-86-8	Unknown	1,000 ppm	
Hexane	110-54-3	50 ppm	50 ppm	N/A
Cyclohexane	110-82-7	300 ppm	300 ppm	

Hazardous Materials Identification System:(HMIS RATING) Health-2 Flammability-4 Reactivity-0
Hazard Ranking: 0-Least 1-Slight 2-Moderate 3-High 4-Extreme

(1) Warning: * Section 313 Supplier Notification - Indicates hazardous ingredients which are toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right - To - Know Act of 1986 and of 40 CFR 372.

C. PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point: Not Established Specific Gravity (H₂O=1): 0.80 g/mL (Concentrate)

Vapor Pressure (PSI): Not Established Percent Volatile By Volume (%): 78.066%

Evaporation Rate (BuAc=1): >1.00 %-VOC: 55%

Solubility In Water: Insoluble

D. FIRE AND EXPLOSION DATA

Flammability (per flame projection): Extremely Flammable

Flammable Limits in Air % by Volume: Lower-N/A / Upper-N/A

Extinguisher Media: Co₂, Foam, Dry Chemical (B-C)

Special Fire Fighting Procedures: Keep containers cool using water spray. Use proper equipment to protect personnel from bursting containers.

Unusual Fire and Explosion Hazards: Contents under pressure. Do not expose to temperatures exceeding 120F as containers may vent, rupture or burst.

E. PHYSICAL HAZARDS

Stability: Stable Hazardous Polymerization: Will not occur.

Conditions to avoid: Open Flame Temp. >120° F Incompatibility (Materials to Avoid): Strong Oxidizers

Hazardous Decomposition Products: CO, CO₂, and Hydrocarbons.

F. HEALTH AND HAZARD

Routes of Entry:

Inhalation: Yes Eyes/Skin: Yes Ingestion: Unlikely

Signs and Symptoms of Exposure (Acute & Chronic): High concentrations of vapors may irritate nose and throat and cause symptoms of intoxication such as dizziness, nausea, headache, or indigestion. Direct spray or vapors will irritate and may harm eyes. Product may cause irritation due to defatting of skin. Causes irritation, narcosis, and symptoms of intoxication.

Medical Conditions Generally Aggravated by Exposure: None Known

Chemical Listed as Carcinogen or Potential Carcinogen
National Toxicology Program: No I.A.R.C. Monographs: No OSHA: No

G. EMERGENCY AND FIRST AID PROCEDURES

Inhalation: Remove victim to fresh air. Apply artificial respiration if necessary. SEEK MEDICAL ATTENTION.

Eyes: Flush eyes with water for at least 15 minutes. Seek Medical Attention if irritation persists.

Skin: Remove contaminated clothing and wash before rewearing. Wash skin with soap and water. Seek Medical Attention if irritation persists.

Ingestion: Do not induce vomiting unless directed by a physician. SEEK MEDICAL ATTENTION IMMEDIATELY.

H. SPECIAL PROTECTION INFORMATION

Respiratory Protection: Use respirator when TLV is exceeded.

Ventilation: Local Exhaust: Maintain adequate ventilation

Mechanical (General): N/A Special: N/A Other: N/A

Protective Gloves: Wear chemical-resistant gloves.

Eye Protection: Wear safety glasses or goggles.

Other Protective Clothing or Equipment: None required

I. SPECIAL PRECAUTIONS AND SPILL / LEAK PROCEDURES

Precautions to Be Taken / Handling and Storage: Use with adequate ventilation. Do not spray into or around fire, sparks, or flame. Do not store at temperatures above 120°F. Do not puncture or incinerate containers.

KEEP OUT OF THE REACH OF CHILDREN.

Other Precautions: Read label precautions carefully. Follow label directions to avoid injury.

Steps to Be Taken In Case Material Is Released or Spilled: Absorb spill with inert material then place in a chemical waste container. Dispose of in accordance with local, state, and federal regulations.

Waste Disposal Methods: Dispose of in accordance with local, state, and federal Regulations.

J. TRANSPORTATION AND OSHA LABEL INFORMATION

Transportation Incident Information: For further information relative to spills resulting from transportation incidents, refer to latest Department of Transportation Guidebook for Hazardous Materials Incidents. DOT P 5800.3.

DOT Identification Number: Not designated as a hazardous material by Federal DOT.

OSHA Required Label Information: None Known. Note product label may contain additional non -OSHA information.

K. OTHER

The information and recommendations contained herein are to the best of the RCD Corporation's knowledge and belief, accurate and reliable as of the date issued. RCD Corporation does not warrant or guarantee their accuracy or reliability, and RCD Corporation shall not be liable for any loss or damage arising out of the use thereof.

The information and recommendations are offered for the users consideration and examination, and it is the user's responsibility to satisfy itself that they are suitable and complete for its particular use. It is also the users responsibility to make certain that it is relying upon the most recent, updated, information and recommendations available from RCD Corporation

The Environmental information included under Section H hereof as well as the Hazardous Material Identification System (HMIS) and National Fire Protection Association (NFPA) ratings have been included by RCD Corporation in order to provide additional health and hazard classification information. The ratings recommended are based upon the criteria supplied by the developers of these rating systems, together with RCD Corporation's interpretation of the available data.

MATERIAL SAFETY DATA SHEET

(Essentially similar to OSHA form 174, Sept. 1985 - For Compliance with OSHA's Hazard Communication Standard, 29CFR 1910.1200)

Section I - Product Identity: Fiberlock IAQ™ 8000/8500 (8380/8385)

Manufacturer's Name: Fiberlock Technologies, Inc. 150 Dascomb Road Andover, MA 01810	Date of Preparation: May 29, 2007 Information Telephone Number: (978) 623-9987 Emergency Telephone Numbers: Weekdays: (978) 623-9987 After hours, weekends & holidays: "CHEM-TEL" Emergency Contact Number: (800) 255-3924
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Section II - Hazardous Ingredients/Identity Information

HAZARDOUS COMPONENT	COMMON NAME(S)	%	CAS. NO.	OSHA OR PEL	ACGIH TLV
Titanium dioxide	(same)	<25.0	13463-67-7		ACGIH TWA 10 mg/m ³
Proprietary biocide ⁽¹⁾	N/A	>0.10	N/A	Not established	
Zinc Oxide ⁽²⁾	(same)	<4.0	1314-13-2		ACGIH TWA 10 mg/m ³

Section III - Physical/Chemical Characteristics [See reference note(s) No. 1, 2 on Reverse]

Boiling Points of Major Constituent: (Water)	212°F	Specific Gravity (H ₂ O=1) Wgt./gal.	9.6
Vapor Pressure (mm Hg) @ 68°F	17	Melting Point Water (Ice)	32°F
Vapor Density (AIR=1) Heavier Lighter	X	Evaporation Rate (Butyl Acetate=1)	Slower
Solubility in Water	Total	Appearance: liquid Odor: slight odor	Maximum VOC's 200 g/l (1.7lbs/gal)

Section IV - Fire and Explosion Hazard Data (Nonflammable)

Flash Point: Noncombustible	Flammable Limits: LEL: N/A UEL:N/A	DOT Hazard Class: Not Regulated	Marking: "Keep From Freezing"
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Section V - Reactivity Data

Hazardous Polymerization: Will not occur.
 Stability: Stable
 Incompatibility: Avoid Contact with: Strong oxidizing agents (e.g., nitric acid, permanganates), etc.
 Hazardous Decomposition Products: Some carbon monoxide.

Section VI - Health Hazard Data, Toxicity Data

Route(s) of Entry: N/A
 Carcinogenicity?: No
 Health Hazards (Acute and Chronic):
 EFFECTS OF OVEREXPOSURE: Inhalation: Vapors or spray mists may be slightly irritating to eye, nose, throat, and mucous membranes of respiratory tract producing symptoms of headache, nausea in poorly ventilated areas. Skin Contact: Prolonged or repeated contact with coating may cause slight skin irritation. Eye Contact: Direct contact; inconsequential eye irritation.

EMERGENCY AND FIRST AID PROCEDURES: Inhalation: Remove to fresh air. Eye and Skin Contact: Immediately flush eyes with plenty of water for at least 15 minutes and consult physician; wash skin thoroughly with soap and water. If drenched, remove and wash clothing before reuse. Ingestion: If victim is conscious, give 2 glasses of water. Call a physician.

SUPPLEMENTAL INFORMATION

To comply with New Jersey DOH Right-To-Know labeling law (N.J.A.C. 8:59 - 5.1 & 5.2)

#8380 (White): CAS. No.: 7732-18-5 13463-67-7 1314-13-2 57-55-6 Not Avail.* Not Avail.* *Contents partially unknown	#8385 (Black): CAS. No.: 7732-18-5 1333-66-4 1314-13-2 57-55-6 Not Avail.* Not Avail.* *Contents partially unknown
CHEMICAL INGREDIENTS: Water Titanium dioxide Zinc oxide Propylene glycol Proprietary surfactant Latex resin solids	CHEMICAL INGREDIENTS: Water Carbon black Zinc oxide Propylene glycol Proprietary surfactant Latex resin solids

HMIS HAZARD RATING			
Health 1	Flammability 0	Physical Hazard 0	Personal Protection A
HAZARD INDEX: 0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Severe			
PERSONAL PROTECTION CODE			
A=Safety Glasses			

NOTES: ⁽¹⁾This proprietary biocide is listed as a carcinogen under California Proposition 65, however, a risk assessment was conducted by the biocide manufacturer and it was determined that when this product is used in accordance with label directions, exposure and thus risk is below the level which requires a Proposition 65 warning. ⁽²⁾These products contain less than 4% by weight Zinc Oxide (CAS No. 1314132) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372.

Section VII: Precautions for Safe Handling and Use

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Keep unnecessary people away. Floor may be slippery; use care to avoid falling. Dike and contain material with inert material (e.g. sand, earth). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for disposal. Keep spills and runoff out of municipal sewers and open bodies of water.

WASTE DISPOSAL METHOD: Dispose of all materials according to current local, state and federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Maximum storage temperature 100°F. Keep closure tight and container upright to prevent leakage. Precautionary Labeling: "Keep from Freezing".

OTHER PRECAUTIONS: Do not get in eyes. Avoid skin contact. Prevent prolonged or repeated breathing of vapors or spray mists. Do not handle until the manufacturer's safety precautions and label instructions have been read and understood. Avoid breathing sanding dust.

Section VIII: Control Measures

RESPIRATORY PROTECTION: None required if good ventilation is maintained. Wear respirator (MSHA/NIOSH-approved or equivalent) suitable for concentrations and types of air contaminants encountered. Use approved chemical/mechanical filters designed to remove particulates in open and restricted ventilation areas. Use MSHA/NIOSH-approved airline type respirators or hood in confined areas.

VENTILATION: Sufficient ventilation, in pattern and volume, should be provided to keep the air contaminant concentration below applicable exposure limits. All application areas should be ventilated in accordance with OSHA regulation 29CFR Part 1910.94.

PROTECTIVE GLOVES: Impervious gloves should be worn if prolonged skin contact is likely. Use neoprene or rubber gloves to prevent prolonged skin contact.

EYE PROTECTION: Use safety eyewear including side shields, face shields, or chemical splash goggles (ANSI Z-87.1 or approved equivalent).

OTHER PROTECTIVE EQUIPMENT: Use disposable or impervious clothing if work clothing contamination is likely. Use protective cream if prolonged skin contact is likely.

HYGIENIC PRACTICES: Wash hands before eating, smoking, or using the washroom. Food or beverages should not be consumed anywhere this product is being applied.

References:

1. Sax, N.I., "Dangerous Properties of Industrial Materials", 8th ed., Van Nostrand Reinhold Company, Inc., NY, 1992.
2. American Conference of Governmental Industrial Hygienists, "TLV's and Biological Exposure Indices" for the current year (published annually).
3. U.S. Code of Federal Regulations (CFR) U.S. Dept. of Labor, No. 29, Parts 1900 to 1910.1200. OSHA Communications Standard 29 CFR 1910.1200.
4. Sax, N.I., R.J. "Hazardous Chemicals Desk Reference", Van Nostrand Reinhold Co., Inc., NY, 1987.
5. Fire Protection Guide to Hazardous Materials, 12th edition, National Fire Protection Association, Quincy, MA, 1997.
6. Title III List of Lists, U.S. Environmental Protection Agency publication EPA 560/4-90-011, January 1990.

MATERIAL SAFETY DATA SHEET

Manufacturer's Name:
RCD Corporation®
2850 Dillard Road
Eustis, FL 32726

Emergency: 800-535-5053

Information: 352-589-0099

A. IDENTIFICATION

Product Name: RCD Corporation® #6 Mastic®

CAS Number: N/A

Chemical Name: N/A a complex mixture

Product Appearance and Odor: A cream or grey viscous liquid with a pleasant odor.

B. COMPONENTS AND HAZARD INFORMATION

COMPONENTS	CAS NO.	ACGIH TLV	OSHA PEL
Titanium Dioxide*	13463-67-7	10mg/m3	N/E
Hydrated Aluminum Silicate*	8031-18-3	5 mg/m3	10mg/3m

*As respirable nuisance dust only. Normal application procedures pose no hazard since these ingredients are encapsulated, but grinding or sanding dried films may yield respirable dusts. This product is not known to contain any compound in concentrations requiring reporting under SARA Title III Section 313. Any substance listed as hazardous by the States of California, Connecticut, Florida, Illinois, Louisiana, Massachusetts, New Jersey, Pennsylvania, or Rhode Island is listed above if known present in regulated concentrations.

* Hazardous Materials Identification System: (HMIS RATING) Health-1 Flammability-0 Reactivity-0
Hazard Ranking: 0-Least 1-Slight 2-Moderate 3-High 4-Extreme

C. PRIMARY ROUTES OF ENTRY AND EMERGENCY FIRST AID PROCEDURES

Eye Contact: Flush with large amounts of water while holding eyelids open for at least 15 minutes. Remove contact lenses, if worn. Inorganic particulate materials may cause mechanical irritation. SEEK MEDICAL ATTENTION.

Skin: Remove contaminated clothing; thoroughly wash exposed area with soap and water. DO NOT USE SOLVENTS OR THINNERS to remove from skin. Can be removed with waterless hand cleaners or plain soap and water. If irritation persists, SEEK MEDICAL ATTENTION.

Inhalation: This material is not expected to be an immediate inhalation problem, no first aid procedures required.

Ingestion: If swallowed, give water or milk to drink and telephone for medical advice immediately. Consult medical personnel before inducing vomiting. If medical advice cannot be obtained, then take the person and product container to the nearest medical emergency treatment center or hospital.

D. FIRE AND EXPLOSION HAZARD INFORMATION

Flash Point: N/A (a water based product) Auto Ignition Temperature: Not Determined (a water based product)

National Fire Protection Association (NFPA) Hazard Identification: Health-0 Flammability-0 Reactivity-0

Handling Precautions: Keep containers tightly closed. Keep containers cool and dry. Use this product with adequate ventilation.

Flammable or Explosive Limits: (Approx. % by volume in air) Lower (LEL): N/A Upper (UEL): N/A

Extinguishing Media and Fire Fighting Procedures: Extinguish with dry chemical, CO₂, universal type foam, and water fog. DO NOT enter any enclosed or confined fire space without proper protective equipment, including self contained breathing apparatus.

Decomposition Products under Fire Conditions: May form toxic materials; carbon dioxide, carbon monoxide, and water vapor.

"Empty" Container Warning: Dispose of in an environmentally safe manner and in accordance with governmental regulations.

E. HEALTH AND HAZARD INFORMATION

Variability Among Individuals: Health Studies have shown that individual sensitivities vary from person to person. As a precaution, exposure to vapors, liquids, mists, or fumes should be minimized.

Effects of Acute Exposure:

Eye Contact: Mild irritation may occur. Mechanical irritation will occur. Irritation will depend on the length of exposure and first aid.

Skin Irritation: Not a primary skin irritant.

Respiratory/Inhalation: If inhaled, the components of this product are considered practically non-toxic to internal organs. No adverse effects expected.

Ingestion: The systemic toxicity of this substance has not been determined. Practically non-toxic to internal organs if swallowed. No adverse effects expected.

F. PHYSICAL DATA

The following are approximate or typical values and should not be used for precise design purposes.

Boiling Range: >212°F Vapor Pressure: of water
Specific Gravity: Greater than 1.30 Vapor Density: of water
Viscosity: >20,000 cps @ 77 F VOC: <10grms/liter Solubility in Water: Miscible

G. REACTIVITY

Stability: Stable Hazardous Polymerization: Will Not Occur

Hazardous Decomposition Products: Hazardous decomposition products include: Carbon dioxide and monoxide.

Incompatibility (Material to Avoid): Avoid contact with strong oxidizing agents.

Conditions to Avoid: Keep from heat, sparks, open flame.

H. ENVIRONMENTAL INFORMATION

Steps to be taken if spilled or released:

- Recover free product, add sand, earth or other suitable absorbents.
- Minimize skin contact and breathing vapors. Ventilate confined spaces; open all windows and doors.
- Keep product out of sewers and water courses by diking or impounding.
- Advise authorities if product has entered or may enter sewers, water courses or extensive land areas.
- Assure conformity with applicable governmental regulations.

Reportable Quantity (RQ), EPA Regulation 40 CFR 302: (CERCLA Section 102): None

Threshold Planning Quantity (TPQ), EPA Regulation 40 CFR 355: (SARA Section 301-304): None

Toxic Chemical Release Reporting, EPA Regulation 40 CFR 372: (SARA Section 313): None

EPA Hazard Classification Code: (SARA Sections 311 and 312): N/A

I. PROTECTION AND PRECAUTIONS

Ventilation: Ventilation should be adequate.

Respiratory Protection: Use NIOSH/MSHA approved dust and mist respirator when spraying product.

Protective Gloves: Use chemical resistant gloves, if needed, to avoid prolonged or repeated skin contact.

Eye Protection: Use safety goggles or face shield when eye contact may occur.

Other Protective Equipment: Use Chemical resistant apron or other impervious clothing, if needed, to avoid contaminating regular clothing which could result in prolonged or repeated skin contact.

Work Practices/Engineering Controls: Keep containers closed when not in use. DO NOT STORE NEAR HEAT, SPARKS, FLAME or Strong Oxidants.

Personal Hygiene: Minimize breathing vapor or mist. Avoid prolonged or repeated contact with skin. Remove contaminated clothing; laundry or dry clean before reuse. Remove contaminated shoes and thoroughly clean and dry before reuse. Cleanse skin thoroughly after contact, before breaks and meals, and at the end of work period.

J. TRANSPORTATION AND OSHA LABEL INFORMATION

Transportation Incident Information: For further information relative to spills resulting from transportation incidents, refer to latest Department of Transportation Guidebook for Hazardous Material Incidents, DOT P 5800.3.

DOT Identification Number: Not designated as a hazardous material by Federal DOT.

OSHA Required Label Information: None Known.

K. OTHER

The information and recommendations contained herein are to the best of the RCD Corporation's knowledge and belief, accurate and reliable as of the date issued. RCD Corporation does not warrant or guarantee their accuracy or reliability, and RCD Corporation shall not be liable for any loss or damage arising out of the use thereof.

The information and recommendations are offered for the users consideration and examination, and it is the user's responsibility to satisfy itself that they are suitable and complete for its particular use. It is also the users responsibility to make certain that it is relying upon the most recent, updated information and recommendations available from RCD Corporation

The Environmental Information included under Section H hereof as well as the Hazardous Material Identification System (HMIS) and National Fire Protection Association (NFPA) ratings have been included by RCD Corporation in order to provide additional health and hazard classification information. The ratings recommended are based upon the criteria supplied by the developers of these rating systems, together with RCD Corporation's interpretation of the available data.

POLYKEN®

243



POLYKEN® 243
Multi-Purpose Duct Tape

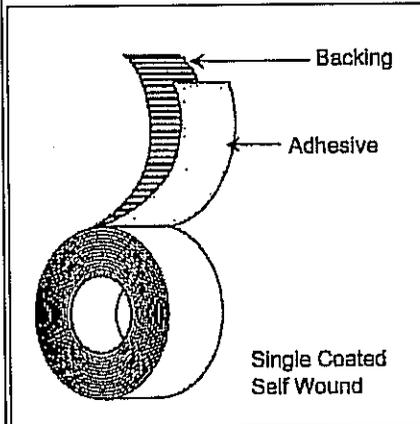
APPLICATIONS

- Superior performance on flex duct.
- Sealing standard duct work.
- General purpose packaging.
- Holding down fiberglass insulation materials.
- Condensation barrier in refrigeration assemblies.

FEATURES & BENEFITS

- Soft and conformable backing.
- Provides high tack and quick grab.
- Excellent tear characteristics.
- High performance in cold temperatures.
- Tested in accordance with UL 723.

CONSTRUCTION



PRODUCT DESCRIPTION

Single-Coated Construction

Backing:

- Polyethylene Coated Cloth

Adhesive:

- Rubber

Colors:

- Black, Silver

TEST DATA

Test	Typical Value	Typical Value (Metric)	Test Method
Total Thickness	10 mils	0.250 mm	ASTM D 1000
Adhesion to Steel	46 oz./in.	51.5 g/mm	PSTC-1
Adhesion to Backing	43 oz./in.	48.20 g/mm	PSTC-1
Tensile Strength	23 lb./in.	0.412 kg/mm	ASTM D 1000
Maximum Performance Temperature	200 D F		
Flame Spread	10		
Smoke Developed	5		

**Recommended storage conditions: 40-60% Humidity, 60°F-80°F

Typical values are not intended to be used for specification development. Technical data is believed to be true and accurate. We recommend the purchaser test the fitness for use for all applications.



25 Forge Pkwy Franklin, MA 02038
1-800-248-7659 Fax 1-800-328-4822
www.covcorp.com

4/26/2006



NASHUA® 300
Multi-Purpose Duct Tape

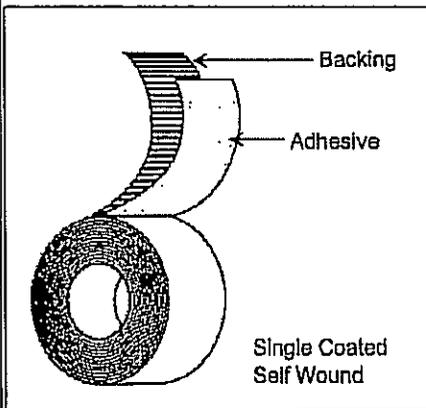
APPLICATIONS

- Home and general repair.
- Bundling, patching, and mending.
- Emergency tape for automotive breakdowns.

FEATURES & BENEFITS

- Versatile PE-coated cloth tape.
- Conforms well to irregular surfaces.
- Adheres well to a variety of substrates.
- Tears straight, hangs straight, curl resistant.

CONSTRUCTION



PRODUCT DESCRIPTION

Single-Coated Construction

Backing:

- Polyethylene Coated Cloth

Adhesive:

- Rubber

Colors:

- Silver, Black

TEST DATA

Test	Typical Value	Typical Value (Metric)	Test Method
Total Thickness	10 mils	0.250 mm	ASTM D 1000
Adhesion to Steel	46 oz./in.	51.5 g/mm	PSTC-1
Adhesion to Backing	43 oz./in.	48.16 g/mm	ASTM D 1000
Tensile Strength	23 lb./in.	0.41 kg/mm	
Unwind Force	4.3 lb./in.	0.077 kg/mm	
Maximum Performance Temperature	200 F		

**Recommended storage conditions: 40-60% Humidity, 60°F-80°F

Typical values are not intended to be used for specification development. Technical data is believed to be true and accurate. We recommend the purchaser test the fitness for use for all applications.



AVERY DENNISON

Specialty Tape Division

250 Chester Street
Painesville, Ohio 44077
Phone: 866-GO-AVERY (866-462-8379)
Fax: 440-398-3298

email: psa.tape@averydennison.com

URL: stus.averydennison.com

Surface Preparation

It is essential, as with all pressure-sensitive tapes, that the surface to which the tape is applied be clean, dry, and free of grease or oil.

Temperatures

Min Application Temp	50° F	10° C
Max Continuous Operating Temp	350° F	177° C
Max Intermittent Operating Temp	400° F	204° C

Storage and Shelf Life

One year when stored at 70°F (21°C) 50% RH out of direct sunlight.

Underwriters Laboratories Inc. Surface Burning Characteristics to
UL723 Flame Spread 10 Smoke Developed 15

PRODUCT DESCRIPTION

Applications

Used to tape and seal joints and seams on fibrous boards in the HVAC market.

Features

Meets UL 181A-P1 standards
20-year Fasson product warranty
Meets SMACNA performance standard AFTS 101-73

Benefits

Ultimate product reliability

PRODUCT DATA

Product Construction

(Not for Specification Use)
Test Methods: PSTC-33, ASTM D-1000, TAPPI T-411-M-44
US Mils MM's

Carrier	Aluminum Foil	1.9	0.05
Adhesive	Acrylic	2.7	0.07
Liner	43 # Calendered Kraft	2.5	0.06
	Total Construction	7.1	0.18

Limited Warranty

All statements, technical information and recommendations concerning products sold or samples provided by AVERY DENNISON are based upon tests believed to be reliable but do not constitute a guarantee or warranty. All products are sold and samples of products provided with the understanding that PURCHASER has independently determined the suitability of such products for its purposes. AVERY DENNISON warrants the products to be free from defects in material and workmanship. Should any failure to conform to this warranty appear within one year* after the initial date of shipment, AVERY DENNISON shall, upon notification thereof and substantiation that the products have been stored and applied in accordance with AVERY DENNISON's standards, correct such defects by suitable repair or replacement without charge at AVERY DENNISON's plant or at the location of the products (at AVERY DENNISON's election) provided, however, if AVERY DENNISON determines that the repair or replacement is not commercially practical, AVERY DENNISON shall issue credit in favor of PURCHASER in an amount not to exceed the purchase price of the products.

This warranty is exclusive and is in lieu of any implied warranty of merchantability, fitness for a particular purpose or other warranty of quality, whether express or implied, except the warranty of title and against patent infringement. No waiver, alteration, additions or modifications of the foregoing conditions shall be valid unless made in writing and manually signed by an officer of Avery Dennison. *Or in the time period stated on the specific product specification sheet, if any, and if not then on the specific product information literature in effect at time of shipment.

Limitation of Liability

In no event shall AVERY DENNISON be liable for any incidental or consequential damages, including but not limited to, loss of profit, loss of use of production or loss of capital. The remedies of PURCHASER set forth herein are exclusive and the total liability of AVERY DENNISON with respect to any contract, or anything done in connection therewith such as the performance or breach hereof, or from the manufacture, sale, delivery, resale, installation or use of products whether arising out of contract, negligence, strict tort, or under any warranty, or otherwise, shall not exceed the purchase price of the products upon which the liability is based.

Adhesive Properties

Peel Adhesion

Product	180° 12" min	Initial	Test Method(s): PSTC-3, ASTM D-3330, STD-10		
<u>Substrate</u>		<u>Test Side</u>	<u>Lbf / in</u>	<u>US Oz / in</u>	<u>N / Meter</u>
SS		Liner	3.8	61	665

Static Shear

Product @	72°F / 22°C	1/2" sq (3.25 cm ²)	2.2 lbs (1 kg)	Test Method(s): PSTC-7, ASTM D 3654, STD-9	
<u>Substrate</u>		<u>Test Side</u>	<u>Min to Fail</u>		
SS		Liner	> 5,000		

Static Shear

Product @	72°F / 22°C	1" sq (6.5 cm ²)	10 lbs (4.5 kg)	Test Method(s): PSTC-7, ASTM D 3654, STD-9	
<u>Substrate</u>		<u>Test Side</u>	<u>Min to Fail</u>		
SS		Liner	> 5,000		