

ACOUSTIC BLADES

SAFETY DATA SHEETS

PRODUCTS USED

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Adhesive	Pages 3 to 7
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ACOUSTIC MATERIAL

SAFETY DATA SHEETS

To get more information on the Safety Data Sheets for our acoustic material, give us a call at 226-636-5965 or email us at info@altispace.com and we will get back to you as soon as possible.

Material Safety Data Sheet



DURA PRO[®]

an IFS brand

NFPA	HMIS / WHMIS	PPE	Transport Symbol						
	<table border="1"> <tr> <td>Flammability</td> <td>0</td> </tr> <tr> <td>Health Hazard</td> <td>1</td> </tr> <tr> <td>Stability</td> <td>0</td> </tr> </table>	Flammability	0	Health Hazard	1	Stability	0		
	Flammability	0							
	Health Hazard	1							
Stability	0								

Revision Date 04-Oct-2011

Revision Number 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name G-2424 LV

Synonyms Adhesive

Manufactured by: IFS Industries, Inc.
400 Orrton Avenue
P.O. Box 1053
Reading, Pennsylvania 19603
U.S.A.

Emergency Contact Number CHEMTREC (800) 424-9300

Telephone for Information (610) 378-1381

2. HAZARDS IDENTIFICATION

Emergency Overview

The product contains no substances which at their given concentration are considered to be hazardous to health

Appearance White

Physical State Liquid

Odor Mild

OSHA Regulatory Status This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Potential Health Effects
Principle Routes of Exposure Eye contact, Skin contact.

Acute Toxicity

Eyes	May cause slight irritation.
Skin	Prolonged or repeated contact may dry skin and cause irritation.
Inhalation	No known hazard by inhalation.
Ingestion	Ingestion may cause stomach discomfort.
Chronic Effects	
Chronic Toxicity	No known effect
Aggravated Medical Conditions	None known
Environmental Hazard	See Section 12 for additional Ecological Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product does not contain any ingredients considered hazardous by OSHA.

4. FIRST AID MEASURES

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes
Skin Contact	Wash skin with soap and water
Inhalation	Move to fresh air
Ingestion	Clean mouth with water and afterwards drink plenty of water
Notes to Physician	Treat symptomatically

5. FIRE-FIGHTING MEASURES

Flammable Properties	Not flammable
Suitable Extinguishing Media	Water spray, dry chemical, carbon dioxide (CO ₂), or foam
Hazardous Combustion Products	Carbon oxides

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

NFPA	Health Hazard 1	Flammability 0	Stability 0	Physical and Chemical Hazards N/A
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6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear protective gloves/clothing and eye/face protection
Methods for Containment	Prevent further leakage or spillage if safe to do so
Methods for Cleaning Up	Pick up and transfer to properly labeled containers

7. HANDLING AND STORAGE

Handling	Handle in accordance with good industrial hygiene and safety practice
Storage	Keep container tightly closed in a dry and well-ventilated place. Keep from freezing.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Engineering Measures	Showers Eyewash stations Ventilation systems
Eye/Face Protection	Eye protection
Skin and Body Protection	Wear protective gloves/clothing
Respiratory Protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White	Odor	Mild
Physical State	Liquid	pH	4.0 - 5.0
Flash Point	Not applicable	Autoignition Temperature	Not applicable
Boiling Point/Range	212 °F	Melting Point/Range	Not applicable
Freezing point	32 °F	Flammability Limits in Air	Not applicable
Explosion Limits	Not applicable	VOC Content	No data available
Specific Gravity	1.08	Viscosity	2,000 - 2,500 cps
HAPS data	No data available		

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions
Incompatible Products	Strong oxidizing agents.
Conditions to Avoid	None known based on information supplied
Hazardous Decomposition Products	Carbon monoxide (CO). Carbon dioxide (CO ₂).
Hazardous Reactions	Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information	Product does not present an acute toxicity hazard based on known or supplied information
Irritation	Repeated or prolonged exposure may cause irritation of eyes and skin

Chronic ToxicityCarcinogenicity

Contains no ingredient listed as a carcinogen

12. ECOLOGICAL INFORMATIONEcotoxicity

The environmental impact of this product has not been fully investigated

13. DISPOSAL CONSIDERATIONSWaste Disposal Method

Dispose of contents/container in accordance with local regulation

14. TRANSPORT INFORMATIONDOT

Not regulated

TDG

Not regulated

MEX

Not regulated

IATA

Not regulated

IMDG/IMO

Not regulated

15. REGULATORY INFORMATIONInternational Inventories

TSCA	Complies
DSL	Complies
EINECS/ELINCS	Does not Comply
ENCS	Does not Comply
IECSC	Does not Comply
KECL	Does not Comply
PICCS	Does not Comply
AICS	Does not Comply

U.S. Federal RegulationsSARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

U.S. State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations**International Regulations****Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

Not determined

16. OTHER INFORMATION

Prepared By

Verified by Quality Control Department

Revision Date

04-Oct-2011

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS

SECTION 1: CHEMICAL PRODUCT AND SUPPLIER'S IDENTIFICATION

Company: Choice Brands Adhesives

666 Redna Terrace

Cincinnati, OH 45215

Emergency Contact Number: 800-424-9300 (CHEMTREC)

Information Telephone Number: 513-772-1234

Product Name: PG-107, PG-107R Aerosol

Recommended Use: Adhesive



SECTION 2: HAZARDS IDENTIFICATION

Classification:

Specific Target Organ Toxicity -Single Exposure (Respiratory Tract Irritation) - Category 3

Specific Target Organ Toxicity - Repeated Exposure - Category 2

Acute Toxicity (Oral) - Category 4

Skin Irritation - Category 2

Eye Irritation - Category 2A

Germ Cell Mutagenicity - Category 1B

Carcinogenicity - Category 1B

Aerosols Category 1

Pictograms:



Signal Word:

Danger

Hazardous Statements - Physical:

Extremely flammable aerosol

Pressurized container: May burst if heated

Hazardous Statements - Health:

Harmful if swallowed

May cause respiratory irritation

May cause damage to organs through prolonged or repeated exposure

Causes skin irritation

Causes serious eye irritation

May cause genetic defects

May cause cancer

Precautionary Statements - General:

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

Precautionary Statements - Prevention:

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Do not spray on an open flame or other ignition source.

Do not pierce or burn, even after use.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Use only outdoors or in a well-ventilated area.

Keep container tightly closed.

Do not breathe dust/fume/gas/mist/vapors/spray.

Wear protective gloves/protective clothing/eye protection/face protection.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Precautionary Statements - Response:

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTER/doctor if you feel unwell.

Get Medical advice/attention if you feel unwell.

IF ON SKIN: Wash with plenty of water.

For specific treatment see section 4.

If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing. And wash it before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

IF exposed or concerned: Get medical advice/attention.

IF SWALLOWED:

Rinse mouth.

Precautionary Statements - Storage:

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Store in a well-ventilated place. Store locked up.

Precautionary Statements - Disposal:

Dispose of contents/container to disposal recycling center. Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Chemical Name	% by Weight
0000075-09-2	METHYLENE CHLORIDE	41% - 67%
0068476-86-8	Petroleum gases, liquefied, sweetened	24% - 40%

SECTION 4: FIRST-AID MEASURES

Inhalation:

Remove source of exposure or move person to fresh air and keep comfortable for breathing.

If exposed/feel unwell/concerned: Call a POISON CENTER/doctor.

Eliminate all ignition sources if safe to do so.

Skin Contact:

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash with plenty of lukewarm, gently flowing water for a duration of 15-20 minutes. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before re-use.

IF exposed or concerned: Get medical advice/attention.

Eye Contact:

Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a duration of 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists: Get medical advice/attention.

Ingestion:

Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. If vomiting occurs naturally, lie on your side, in the recovery position. Do not give anything.

SECTION 5: FIRE-FIGHTING MEASURES**Suitable Extinguishing Media:**

Dry chemical, foam, carbon dioxide is recommended. Water spray is recommended to cool or protect exposed materials or structures. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam. Sand or earth may be used for small fires only.

Do not direct a solid stream of water or foam into hot, burning pools this may result in frothing and increase fire intensity.

Unsuitable Extinguishing Media:

Not available.

Specific Hazards in Case of Fire:

Contents under pressure. Keep away from ignition sources and open flames. Exposure of containers to extreme heat and flames can cause them to rupture often with violent force. Product is highly flammable and forms explosive mixtures with air, oxygen, and all oxidizing agents. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back.

During a fire, irritating and highly toxic gases may be generated during combustion or decomposition. High temperatures can cause sealed containers to rupture due to a buildup of internal pressures. Cool with water.

DO NOT cut, drill, grind, or weld near full, partially full, or empty product containers.

Container could potentially burst or be punctured upon mechanical impact, releasing flammable vapors.

Fire-Fighting Procedures:

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid.

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Special Protective Actions:

Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES**Emergency Procedure:**

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

Do not touch or walk through spilled material.

Isolate hazard area and keep unnecessary people away. Remove all possible sources of ignition in the surrounding area. Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.

If spilled material is cleaned up using a regulated solvent, the resulting waste mixture may be regulated.

Recommended Equipment:

Positive pressure, full-facepiece self-contained breathing apparatus (SCBA), or positive pressure supplied air respirator with escape SCBA (NIOSH approved).

Personal Precautions:

Avoid breathing vapor. Avoid contact with skin, eye or clothing. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

Environmental Precautions:

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers.

Methods and Materials for Containment and Cleaning Up:

Cover spills with inert absorbent and place in closed chemical waste containers.

SECTION 7: HANDLING AND STORAGE

General:

- Wash hands after use.
 - Do not get in eyes, on skin or on clothing.
 - Do not breathe vapors or mists.
 - Use good personal hygiene practices.
 - Eating, drinking and smoking in work areas is prohibited.
 - Remove contaminated clothing and protective equipment before entering eating areas.
- Eyewash stations and showers should be available in areas where this material is used and stored.

Ventilation Requirements:

Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source.

Storage Room Requirements:

- Keep container(s) tightly closed and properly labeled. Store in cool, dry, well-ventilated areas away from heat, direct sunlight, strong oxidizers and any incompatibilities. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty containers retain residue and may be dangerous.
- Use non-sparking ventilation systems, approved explosion-proof equipment and intrinsically safe electrical systems in areas where this product is used and stored.
- Do not cut, drill, grind, weld or perform similar operations on or near containers. Do not pressurize containers to empty them.
- Store at temperatures below 120°F.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection:

Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids. If additional protection is needed for entire face, use in combination with a face shield.

Skin Protection:

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, and dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Use of an apron and over-boots of chemically impervious materials such as neoprene or nitrile rubber is recommended to avoid skin sensitization. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Launder soiled clothes or properly disposed of contaminated material, which cannot be decontaminated.

Respiratory Protection:

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed. Check with respiratory protective equipment suppliers.

Appropriate Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Chemical Name	OSHA TWA (ppm)	OSHA TWA (mg/m ³)	OSHA STEL (ppm)	OSHA STEL (mg/m ³)	OSHA-Tables-Z1,2,3	OSHA Carcinogen	OSHA Skin designation	NIOSH TWA (ppm)	NIOSH TWA (mg/m ³)	NIOSH STEL (ppm)	NIOSH STEL (mg/m ³)	NIOSH Carcinogen
METHYLENE CHLORIDE	25 (a)		125 /15 minutes		1,2	1		b				1
Petroleum gases, liquefied, sweetened	500	2000			1							

Chemical Name	ACGIH TWA (ppm)	ACGIH TWA (mg/m ³)	ACGIH STEL (ppm)	ACGIH STEL (mg/m ³)
METHYLENE CHLORIDE	50	174		
Petroleum gases, liquefied, sweetened				

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**Physical and Chemical Properties**

Density	7.06962 lb/gal
% Solids By Weight	0.00000%
Density VOC	2.46716 lb/gal
% VOC	34.89801% VOC
Actual	2.46716 lb/gal
VOC Actual	295.63961 g/l
Density VOC Less H2O and Exempts	0.00000 lb/gal
Appearance	Natural colored liquid, Red colored liquid.
Odor Threshold	N.A.
Odor Description	Sweet Pungent
pH	N.A.
Flammability	N/A
Water Solubility	N.A.
Flash Point Symbol	N.A.
Flash Point	N.A.
Viscosity	N.A.
Lower Explosion Level	N.A.
Upper Explosion Level	N.A.
Vapor Pressure	N.A.
Vapor Density	N.A.
Freezing Point	N.A.
Melting Point	N.A.
Low Boiling Point	N.A.
High Boiling Point	N.A.
Auto Ignition Temp	N.A.
Evaporation Rate	>1 (ethyl ether)
VOC Composite Partial Pressure	N.A.

SECTION 10: STABILITY AND REACTIVITY**Stability:**

Material is stable at standard temperature and pressure.

Conditions to Avoid:

Keep away from direct sunlight and other sources of ignition.
Dropping containers may cause bursting.

Hazardous Reactions/Polymerization:

Will not occur

Incompatible Materials:

Avoid strong oxidizers, reducers, acids, and alkalis.

Hazardous Decomposition Products:

No data available.

SECTION 11: TOXICOLOGICAL INFORMATION**Skin Corrosion/Irritation:**

Prolonged or repeated contact with this product may dry and/or defat the skin. This product may be harmful if it is absorbed through the skin.
Causes skin irritation

Serious Eye Damage/Irritation:

Eye contact may lead to permanent damage if not treated promptly.

Liquid or vapors may irritate the eyes.

Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Eye contact may lead to permanent damage if not treated promptly.

Causes serious eye irritation

Respiratory/Skin Sensitization:

No data available.

Germ Cell Mutagenicity:

No data available.

May cause genetic defects

Carcinogenicity: No

data available. May

cause cancer

Reproductive Toxicity:

No data available.

Specific Target Organ Toxicity - Single Exposure:

No data available.

May cause respiratory irritation

Specific Target Organ Toxicity - Repeated Exposure:

Prolonged exposure may cause damage to her central nervous system, lungs, skin and eyes.

May cause damage to organs through prolonged or repeated exposure

Aspiration Hazard:

No data available.

Acute Toxicity:

If inhaled, may cause dizziness, nausea, upper respiratory irritation, drowsiness, mental depression or narcosis, difficulty in breathing, irregular heartbeats.

Harmful if swallowed.

0000075-09-2 METHYLENE CHLORIDE

LC50 (guinea pig): 11600 ppm (6-hour exposure) (7)

LC50 (rat): 57000 ppm (15-minute exposure) (8) LC50

(mouse): 16186 ppm (8-hour exposure) (9)

LD50 (oral, rat): 2100 to 3000 mg/kg (1)

Acute Exposure

0000075-09-2 METHYLENE CHLORIDE

The substance is irritating to the eyes, skin and respiratory tract. It can cause effects on the CNS, blood, liver, heart and lungs. Exposure could cause carbon monoxide poisoning resulting in impaired functions. Exposure at high concentrations could cause lowering of consciousness and death.

Methylene Chloride is a potent irritant of mucous membranes. If swallowed, the substance may cause vomiting and could result in aspiration pneumonitis.

Chronic Exposure

0000075-09-2 METHYLENE CHLORIDE

Inhalation exposure may result in neurological symptoms, including paraesthesiae, respiratory irritation and gastrointestinal disturbances. Long term exposure causes damage to the CNS and to the liver. Repeated or prolonged contact with skin may cause dermatitis.

Potential Health Effects - Miscellaneous

0000075-09-2 METHYLENE CHLORIDE

Is an IARC, NTP or OSHA Carcinogen. There is limited evidence that this substance causes spontaneous abortions. Contact can severely irritate and burn the skin and eyes with possible eye damage. Skin contact may cause inflammation and burns. Inhalation of high concentrations can have narcotic effects; Carbon monoxide produced as a metabolite in the body.

SECTION 12: ECOLOGICAL INFORMATION**Toxicity:**

No data available.

Persistence and Degradability:

No data available.

Bio-accumulative Potential:

No data available.

Mobility in Soil:

No data available.

Other Adverse Effects:

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS**Waste Disposal:**

Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state and local laws.

Empty Containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

SECTION 14: TRANSPORT INFORMATION**U.S. DOT Information:**

Ground Transportation: (Continental United States, Canada & Mexico): Consumer Commodity ORM-D

IMDG Information:

Shipping Name: Aerosols, flammable

UN/NA #: 1950

Hazard Class: 2.1

Required Placard: Limited Quantity

Marine Pollutant: No data available

IATA Information:

We do NOT recommend this product to be shipped via air. It would need to be repacked by an authorized packing company and the DG would have to be completed by a licensed hazardous material shipping company.

SECTION 15: REGULATORY INFORMATION

CAS	Chemical Name	% By Weight	Regulation List
0000075-09-2	METHYLENE CHLORIDE	41% - 67%	CERCLA,HAPS,SARA312,SARA313,VHAPS,VOC_exempt,TSCA,RCRA,CA_Prop65 - California Proposition 65
0068476-86-8	Petroleum gases, liquefied, sweetened	24% - 40%	SARA312,TSCA

SECTION 16: OTHER INFORMATION

Date issued: 4/17/2015 Ver 1

Glossary:

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; Canadian TDG- Canadian Transportation of Dangerous Goods; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center (US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)- HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL- Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self-Contained Breathing Apparatus; STEL- Short Term Exposure Limit; TCEQ- Texas Commission on Environmental Quality; TLV - Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94-469; TWA- Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System.

DISCLAIMER

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.

MATERIAL SAFETY DATA SHEET
HONEYCOMB & DOOR CORE

Company Name: American Containers, Inc.
2526 Western Avenue
Plymouth, Indiana 46563

Emergency Phone Number: 574/936-4068

Effective Date: December 10, 1985
Revised Date: March 27, 2012

PRODUCT IDENTIFICATION:

Product: Paper Honeycomb
Manufacturing Location: Plymouth, Indiana

HAZARDOUS INGREDIENTS/IDENTITY INFORMATION:

NAME	CAS#	PERCENT	AGENCY	EXPOSURE LIMITS	COMMENTS
Linerboard (paper fiber/cellulose)	9004-34-6	45-85	OSHA OSHA OSHA	PEL-TWA 15mg/m3 PEL-TWA 5mg/m3 TLV-TWA 10mg/m3	Total dust Respirable dust Total dust
Corrugating medium (paper fiber/cellulose)	9004-34-6	15-50	OSHA OSHA ACGIH	PEL-TWA 15mg/m3 PEL-TWA 5mg/m3 TLV-TWA 10mg/m3	Total dust Respirable dust Total dust
Starch based adhesive	None	1-3	OSHA OSHA ACGIH	PEL-TWA 15mg/m3 PEL-TWA 5mg/m3 TLV-TWA 10mg/m3	Total dust Respirable dust Total dust
Joint Adhesive	None	0-1	OSHA ACGIH	None None	None None
Water-based Ink	None	<1	OSHA ACGIH	None None	None None
Liquid Adhesive	None	None	OSHA ACGIH	None None	None None

EXPOSURE CONTROL MEASURES:

Respiratory Protection: Not applicable for product in purchased form. However; a NIOSH/MSHA approved dust respirator is recommended when allowable exposure limits may be exceeded.

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 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.

Other Protective Clothing or Equipment: Not applicable for product in purchased form. However; outer garments may be desirable in extremely dusty areas.

Work/Hygiene Practices: Not applicable for product in purchased form.

Ventilation: Provide local exhaust as needed so that exposure limits are met. Provide general ventilation in processing and storage areas so that exposure limits are met. No special ventilation required.

TOXICOLOGICAL INFORMATION:

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

Linerboard and Corrugating Medium: Cellulose LC50 (rats, inhalation)=5,800 mg/m³/4hours.

Starch Adhesive: None

Joint Adhesive: None

Water-based Ink: None

Liquid Adhesive: None

STABILITY AND REACTIVITY:

Stability: Stable

Conditions to Avoid: Avoid open flame and sparks.

Incompatibility: Avoid contact with oxidizing agents.

Hazardous Decomposition or By-Products: Combustion products include carbon monoxide and carbon dioxide.

Hazardous Polymerization: Will not occur.

DISPOSAL CONSIDERATIONS:

Waste disposal should be in accordance with existing local, state, and federal regulations. If disposed 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 EPARCRA criteria for hazardous waste.

HAZARDOUS IDENTIFICATION:

Appearance and Odor: The product is paper honeycomb with little or no odor.

Primary Health Hazards: The primary health hazard posed by this product is thought to be exposure to dust.

Primary Route of Exposure: Inhalation

Medical Conditions Generally Aggravated by Exposure: Paper (cellulose) dust is 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.

EMERGENCY AND FIRST AID PROCEDURES:

Ingestion: Not applicable for product in purchased form.

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 nasal passages. Remove to fresh air. Get medical help if persistent irritation, severe coughing or breathing difficulty occurs.

FIRE AND EXPLOSION DATA:

Flash Point: N/A

Extinguish Media: Water

For Fire: Fire fighters should be equipped with self-contained breathing apparatus to protect against possible irritating fumes.

Unusual Fire and Explosion Hazards: When dried (liquid) adhesive burns, water, carbon dioxide, carbon monoxide, and smoke are produced. 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 at the LEL for cellulose pulp.

Auto Ignition Temperature: 446 degrees to 464 degrees F

Accidental Release Measures:

Not applicable for product in purchased form.

HANDLING AND STORAGE:

No special handling precautions are required. Keep in cool, dry place away from open flame.

PET MATERIAL

SAFETY DATA SHEETS

To get more information on the Safety Data Sheets for our PET material, give us a call at 226-636-5965 or email us at info@altispace.com and we will get back to you as soon as possible.

MSDS *Material Safety Data Sheet*

Wilsonart LLC

MSDS Number: 18950
Page 1 of 4

Wilsonart® 3000 Series Adhesives

Revision Date: 07/10/13
Revision No: 14

1 PRODUCT AND COMPANY IDENTIFICATION

Common Name: Wilsonart® 3000 Series Adhesive

Includes: Wilsonart® 3000 Adhesive
Wilsonart® 3001 Adhesive
Wilsonart® 3002 Adhesive
Wilsonart® 3004 Adhesive
Wilsonart® 3034 Adhesive
Wilsonart® 3035 Adhesive
Wilsonart® 3051 Adhesive

Manufacturer: WILSONART LLC
P. O. BOX 6110 – 2400 WILSON PLACE
TEMPLE, TX 76503
INFORMATION PHONE: 800-433-3222 (USA)

Trade Name: WA 3000 Series Adhesive

Material Uses: Adhesive for laminate

In Case of Emergency Contact CHEMTREC: 800-424-9300 (USA)
703-527-3887 (INTERNATIONAL)

2 HAZARDS IDENTIFICATION

Route of Entry: Skin, eyes, inhalation, ingestion.

Target Organs: None.

Skin Contact: May cause skin irritation.

Eye Contact: May cause eye irritation.

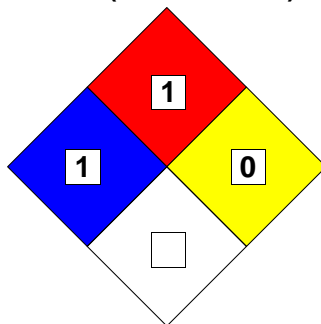
Inhalation: Breathing vapors may cause irritation to the respiratory tract.

Ingestion: Not an expected route of entry. If ingested it may cause irritation to the gastro-intestinal tract.

HMIS (United States):	
HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
PPE	B

NFPA (United States):

WHMIS (Canada): Not classified as hazardous



3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS#	% by Weight
Vinyl Acetate Polymers	RN7954*	30 – 60
Aliphatic Ester (3001, 3051)	NJT SRN 950003	7 – 13
Aromatic Diester (3000, 3002, 3004)	NJT SRN 990011; RN7954*	7 – 13

*See Section 15 for Canadian HMIRC Registry Number exemptions

4 FIRST AID MEASURES

Skin Contact: Remove contaminated clothing and wash affected areas with soap and water. If irritation develops, seek medical attention.

Eye Contact: Flush eyes with water for 15 minutes. Remove contact lenses prior to water flush. Seek medical attention.

Inhalation: Remove patient to fresh air. If patient is having difficulty breathing, seek immediate medical attention. If not breathing, clear airway and start mouth-to-mouth artificial respiration (or use bag-mask respirator). Seek immediate medical attention.

Ingestion: DO NOT induce vomiting. Seek immediate medical attention. DO NOT give anything by mouth to an unconscious person.

5 FIRE FIGHTING MEASURES

Flash Point: Not Applicable.

Flash Point Method: Not Applicable.

Autoignition Temp.: Not Applicable.

Burning Rate: Material is not flammable.

Flammability Classification: Combustible Liquid Class IIIB. Dry adhesive will burn.

Firefighting Equipment: Use self-contained breathing apparatus (SCBA) with a full-face piece and pressure demand or other positive-pressure mode and protective gear appropriate for surrounding materials. In case of fire, use water, dry chemical, CO₂, or alcohol foam extinguishing media.

Hazardous Products of Combustion: Carbon Oxides (CO and CO₂), Acetic Acid, and various Hydrocarbons.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate PPE. Make sure area is well ventilated. Spilled adhesive may be slippery.

Environmental Precautions: Keep out of sewers and drains.

Clean-Up Methods: Dike and contain spill. Absorb spilled product with vermiculite, dry sand, or earth. Place in a suitable non-leaking container and tightly seal for disposal.

7 HANDLING AND STORAGE

Handling Precautions: Wear appropriate PPE. If used indoors, make sure to provide adequate ventilation to prevent vapor build-up. Avoid breathing of vapors.

Storage Requirements: Store in a cool, dry, well-ventilated area. Avoid freezing temperatures. Minimize contact with atmospheric air to prevent inoculation with microorganisms.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Use in a well ventilated area. Ensure that a working eyewash and safety shower are in the work area.

Protective Equipment: Wear safety glasses with side shields, and neoprene or rubber gloves. Consult local authorities and local regulations for exposure limits.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid – color varies by adhesive grade.

Physical State: Liquid

Autoignition Temp.: Not Applicable

Composite Partial Pressure: Not Applicable

Freezing / Melting Point: Similar to water

Percent Volatile: Not Available

Solubility: Soluble in Water

Vapor Density: Equivalent to water

Viscosity: 1200 – 4500 Cp

VOC: < 20 g/L

Odor: Mild sweet

Boiling Point: Similar to water

Flash Point: Not Applicable

Molecular Weight: Not Applicable

pH: 4.0 – 5.5

Specific Gravity / Density: 8.7 - 9.1 lb/gal

Vapor Pressure: Equivalent to water

VHAP: Not Applicable

10 STABILITY AND REACTIVITY

Stability: Product is stable as supplied.

Conditions to Avoid: Freezing and boiling temperatures.

Materials to Avoid (Incompatibility): Strong acids, strong bases, copper and copper alloys.

Hazardous Decomposition Products: Carbon Oxides (CO and CO₂), Acetic Acid, and various Hydrocarbons.

Hazardous Polymerization: Will not polymerize.

11 TOXICOLOGICAL INFORMATION**Acute Toxicity to Animals:**

Aliphatic Ester (NJTSRN 950003):

Inhalation 4 hour LC50 > 1721 mg/m³ (rat).

Oral LD50 > 6400 mg/kg (rat).

Oral LD50 > 3200 mg/kg (mouse).

Dermal LD50 > 23200 mg/kg (guinea pig).

Oral LD50 > 2000 mg/kg (rat).

Vinyl Acetate Polymers (RN7954):

Chronic Toxicity to Animals: No additional information.

Acute Toxicity to Humans: No additional information.

Chronic Toxicity on Humans: No additional information.

Carcinogenic Effects: No additional information.

Mutagenic Effects: No additional information.

Teratogenic Effects: No additional information.

Developmental Toxicity: No additional information.

12 ECOLOGICAL INFORMATION

Ecotoxicity: Not Available.

BOD5 and COD: Not Available.

Biodegradable / OECD: Not Available.

Mobility: Not Available.

Toxicity of the Products of Biodegradation: Not Available.

Special Remarks on the Products of Biodegradation: Not Available.

13 DISPOSAL CONSIDERATIONS

Absorb spilled product with vermiculite, dry sand, or earth and allow to solidify. Dispose of solid material in a suitable container.

Dispose of in accordance with Federal, State, and local regulations.

14 TRANSPORT INFORMATION

Restrictions: None known.

DOT Requirements: Not a DOT controlled material (United States).

DOT Classification: Adhesive Resin Compound.

Markings: None.

Packaging Requirements: Keep from freezing.

ADR Requirements: Not an ADR controlled material (Europe).

IMDG Requirements: Not an IMDG controlled material.

IATA Requirements: Not an IATA controlled material.

Marine Pollutant: Not expected to be a marine pollutant.

15 REGULATORY INFORMATION**U.S. Federal Regulations**

Chemical (& CAS Number)	SARA 302 (EHS)TPQ	SARA 304 (EHS)Rq	SARA 313 <i>de minimis</i>	CERCLA Rq	CAA 112(r) TQ	RCRA Code
none						

All quantities in pounds

State Regulations

Chemical (& CAS Number)	CA Prop 65	MA RTK	MN RTK	NJ RTK	PA RTK	RI RTK
none						

International Regulations

DSL (Canada): The chemicals in this product are listed.

EINECS: The chemicals in this product are listed.

WHMIS: Not classified as hazardous.

HMIRC: Registry Number 7954 was filed on September 9, 2010 with the Canadian Hazardous Materials Information Review Commission.

16 OTHER INFORMATION

Prepared By: Environmental, Health, and Safety Department, Wilsonart LLC.
Telephone: 254-207-7000 Internet: www.wilsonart.com

Changes: Change in Section 3 to delete Aromatic Diester and update Sections 2, 5, 11, & 15 to reflect updated composition information.

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named manufacturer nor any of its subsidiaries assumes any liability whatsoever for accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

END OF MSDS DOCUMENT